

CONTRACT NAS1-20650 Modifications

There is no modification 5 (modifications were inadvertently numbered incorrectly).

The following information has been determined to be exempt from disclosure and has been deleted from the modifications:

- Advanced Agreement on Indirect Rates

The deleted material is exempt from disclosure under 14 C.F.R. 1206.300 (b) (4) which covers trade secrets and commercial or financial information obtained from a person and privileged or confidential. It has been held that commercial or financial matter is "confidential" for purposes of this exemption if its disclosure would be likely to have either of the following effects: (1) impair the Government's ability to obtain necessary information in the future; or (2) cause substantial harm to the competitive position of the person from whom the information was obtained, National Parks and Conservation v. Morton, 498 F2d 765 (D.C. Cir. 1974).

Disclosure of the financial information could cause substantial competitive harm to the contractor by providing its competitors insight into the company's costing practices and management approaches. Furthermore, disclosure would discourage other companies from participating in future competitive procurements, thereby impairing the Government's ability to obtain complete and accurate cost data, and in turn, frustrating the mandate to obtain maximum competition in negotiated procurements.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. 1	3. EFFECTIVE DATE FEB 6 1996	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
CODE	FACILITY CODE	10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 2.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to (1) authorize and direct the Contractor, by contract change order, to implement changes to the contract Statement of Work, as noted below; and (2) allot additional incremental funding in the amount of \$25,000 pursuant to the Contract Funding clause of this contract. Accordingly, the following changes are hereby made to the Contract Schedule.

FILE COPY

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		CAROLYN A. WELLS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Carolyn Wells</i>	16C. DATE SIGNED FEB 6 1996
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

A. Exhibit A, Statement of Work, Paragraph 8. is hereby changed as follows with the following added at the end of the first paragraph:

"Application development and enhancement project support is provided for the following LaRC requirements:

- OSEMA Management Information System

A performance-based Job Description Document (JDD) including performance metrics is included in Exhibit G."

B. Section B, B.3, Contract Funding, the total amount allotted for payment of cost exclusive of fixed fee is provisionally increased by \$24,270 from \$483,150 to \$507,420. The award fee is provisionally increased by \$730 from \$16,850 to \$17,580 and is restated as follows:

"B.3, CONTRACT FUNDING (NASA 18-52.232-81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$507,420. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through March 12, 1996.

(b) An additional amount of \$17,580 is obligated under this contract for payment of fee."

C. Exhibit G., Job Description Documents, is hereby added to the contract.

.....
CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	<u>0</u>	<u>0</u>	<u>0</u>	<u>25,000</u>
	\$3,521,900	\$201,700	\$3,723,600	\$525,000

Funding includes \$507,420 for cost and \$17,580 for fee.

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>
AF.5354	M3159	99230060100	\$20,000	Complete
I.0590	H15068	53709200400	5,000	Complete

Assignment of Job Description Documents:

<u>JDD No.</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-6-96

EXHIBIT G

Job Description Documents (JDD)

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD # AF001.00

Title: Application Development for the Office of Safety, Environment and Mission Assurance

LaRC Point of Contact: Charles E. Cockrell, Chief Engineer, OSEMA
Mail Stop 421
Phone 4-3361

Scope: This work order provides for the completion of development of application packages which will be included in a Management Information System (MIS) in OSEMA. The applications will automate critical functions performed by OSEMA personnel to increase the efficiency and effectiveness of operations. The application development will follow standards and protocols established during development of initial applications under the previous BAMIS contract. The applications will run on Macintosh and other required file servers and operate on a mixture of Macintosh and MS-DOS equipment. Extensive, data intensive, applications will reside on a UNIX based workstation under Sybase.

General Requirements: Provide services for all programming, documentation, checkout, training, and implementation for applications currently under development.

Specific Requirements: The computer application development activity will include responsibility for final development of specific applications designed to automate activities of OSEMA personnel. Elements of the activity include:

1. Requirement: Completion of the programming for the following OSEMA MIS modules:

Problem Failure Report module
Nonconformance Failure Report module
Audit Tracking module
Hardware/Software Inventory module

Metric:

- Satisfactory acceptance testing of each module by designated OSEMA personnel.
- 2. Requirement:** Implementation of each of the OSEMA MIS modules listed above.

Metric:

- Acceptance, by designated OSEMA personnel, of the final implementation of the above listed modules.
- Completion of documentation and on-line help sections of each module.
- Installation of each module on the OSEMA 4-D server and demonstrated operation.

Milestones:

1. Rapid Prototyping demonstrations of individual applications. (2/20/96)
2. Final acceptance testing of individual applications. (3/1/96)
3. Suitability of training and implementation support for individual applications. (3/1/96)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 4	
2. AMENDMENT/MODIFICATION NO. 2	3. EFFECTIVE DATE FEB 29 1996	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than item 6)		CODE

3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
			10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
Pursuant to the Section I Clause 52.243-2 "Changes--Cost Reimbursement Alternate II," the contractor is authorized and directed by this change order modification to provide support for applications development requirements for the IOG COTS Database added to Exhibit G. In accordance with the Changes Clause, an equitable adjustment may be made to the contract estimated cost and fee by a subsequent modification. Accordingly, the following changes are hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Carolyn A. Wells</i> (Signature of Contracting Officer)	16C. DATE SIGNED FEB 29 1996
(Signature of person authorized to sign)			

A. Exhibit A, Statement of Work, Paragraph 8. is hereby changed by adding the following:

"IOG COTS Database

A performance-based Job Description Document (JDD) including performance metrics is included in Exhibit G."

B. Exhibit G is hereby changed by adding the GMG001 JJD as shown below:

"Assignment of Job Description Documents:

<u>JDD No.</u>	<u>Description</u>	<u>Effective Date</u>
GMG001	IOG COTS Database	3-1-96"

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Total	<u>\$3,521,900</u>	<u>\$201,700</u>	<u>\$3,723,600</u>	<u>\$525,000</u>

Funding includes \$507,420 for cost and \$17,580 for fee.

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD # GMG001.00

Title: Development of an IOG COTS Database for Use in Managing Work by Product Line.

LaRC Point of Contact: Fred Moore, Branch Head Of MISB/ISSD
Mail Stop 179
Phone 4-3241

Scope: The IOG COTS Database will be developed in modules which contain data and information that are related to each IOG management process. The database will be developed in two phases with this JDD covering only the first phase. The first phase will consist of creating a rapid prototype of the Budget and Workforce/Workload processes. During this phase, development will take full advantage of existing technologies, Center MIS applications, and existing data. The development must adapt to the evolving IOG COTS Database requirements as the processes are defined. IOG has created a core set of IOG users whose function it is to provide feedback to the development group on overall usability of the system. This approach allows a database to be created very quickly (one that meets user expectations with the flexibility for accommodating change) using minimal resources resulting in the delivery of a system based on an aggressive schedule.

General Requirements: Provide Support for all programming, documentation, and implementation on a 4D/Sybase client server environment.

Specific Requirements: The database development activity is based on rapid prototyping and will be available for review by IOG personnel as it evolves. The results of the prototype will be used as the model in the design of a productional system. During the development, changes in the requirements are expected and will be assessed by the NCI and IOG COTS DB team (ICDBT) to determine significance of changes.

1. **Requirement:** Design, develop, and implement applications required for prototype development of the workforce/workload and budget modules of the IOG COTS DB.

Metric:

- Prototype that performs estimating, planning and status functions as identified by Core team requirements and is accessible Center-wide to the ICDBT and prototype users.

2. **Requirement:** Design and implement files, on a Sybase DBMS, as required to support the Workforce/Workload and Budget prototype modules.

Metric:

- File structure is dynamic enough to be modified and presented with results available within 24 hours.

Milestones:

1. Demonstration of the prototype for the Budget and WF/WL modules. (3/24/96)
2. Final acceptance of functionality of the rapid prototype by ICDBT. (3/29/96)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 3	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than item 6) CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650 10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2.

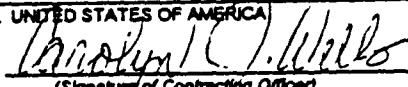
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to add incremental funding to the contract pursuant to the Contract Funding clause. Accordingly, the following change is hereby made:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
	16C. DATE SIGNED

A. Incremental funding in the amount of \$146,000 for cost and \$4,000 for fee has been added to Section B, B-3, Contract Funding and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$654,150. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through March 31, 1996.

(b) An additional amount of \$20,850 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding*</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Total	<u>\$3,521,900</u>	<u>\$201,700</u>	<u>\$3,723,600</u>	<u>\$675,000</u>

*Funding includes \$654,150 for cost and \$20,850 for fee.

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>
GMG.1331	A5160	28230020400	\$150,000	Complete

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES
1 15

2. AMENDMENT/MODIFICATION NO.

4

3. EFFECTIVE DATE

MAR 14 1996

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

7. ADMINISTERED BY (If other than Item 6)

CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)

NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102

(x)

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.

X

NAS1-20650

10B. DATED (SEE ITEM 13)

2/1/96

CODE

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 2.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

X 52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Pursuant to the Section I Clause 52.243-2 "Changes—Cost Reimbursement Alternate II", the contractor is authorized and directed by this change order modification to implement changes to the contract Statement of Work as noted below. In accordance with the Changes Clause, an equitable adjustment may be made to the contract estimated cost and fee by a subsequent modification. Corrections are hereby made to the cost and fee and incremental funding is allotted to the contract pursuant to the Contract Funding clause.

Accordingly, the following changes are hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

CAROLYN A. WELLS

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

BY

(Signature of Contracting Officer)

Exhibit G

Job Description Documents (JDD)

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD # AF002.00

Title: Technology Assessment and Configuration Plan for the Office of Safety, Environment and Mission Assurance (OSEMA - JDD-002)

LaRC Point of Contact: Charles E. Cockrell, Chief Engineer, OSEMA
Mail Stop 421
Phone 864-3361

Scope

Conduct a Technology Assessment of the current OSEMA hardware, software, client server applications, and network system. The purpose of the Technology Assessment is to: (1) Develop a comprehensive system Configuration Plan for the enhancement of the OSEMA computer system; and (2) recommend necessary COTS hardware and software as well as specific development applications to meet the particular needs of OSEMA in the areas of Safety, Mission Assurance, Security, and Environmental Compliance.

General Requirements

1. Completion of the Technology Assessment subsequent to acceptance of the proposal.
2. Documentation of the current OSEMA computer hardware, software, and network environment.
3. Development of a comprehensive MIS System Configuration Plan for a OSEMA Management Information System.
4. Recommendations for computer hardware, software, and network potentials that unify and automate activities of OSEMA personnel.

Specific Requirements

The technology assessment and Configuration Plan will:

1. Document the current OSEMA computer hardware, software, and network environment.
2. Propose future computer hardware, software, and network potentials that unify and automate activities of OSEMA personnel. The proposed computer hardware, software, and network must provide:

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD # AF003.00

Title: Error correction and enhancement to OSEMA Budget Application Module
(OSEMA-JDD-003)

LaRC Point of Contact: Charles E. Cockrell, Chief Engineer, OSEMA
Mail Stop 421
Phone 4-3361

Scope: Provide necessary programming support to add full agreed to functionality to the OSEMA Budget Application Module.

General Requirements: Correct errors in current version of the Budget Application Module, provide enhancements necessary to provide full functionality as agreed to and documented by Barbara Massey, and provide updated documentation and training for users.

Specific Requirements: The specific changes/enhancements necessary to complete this task are listed below:

1. Requirement:

- Budget detail report must be corrected to display correct values.
- Errors must be eliminated from the Summary Budget by Fund Source.
- Account totals in Budget Activities must be revised to assure they are calculated correctly.
- Budget versus actuals report not calculating "remaining" correctly and must be revised.
- Budget versus Actuals PYTD Obligations figure is incorrect and must be corrected.
- Save and Save/New Button in Budget Activities should be pop-up window.
- Budget Detail by Funding Source should be tested for correctness.
- Budget Activities needs Print of Worksheet line item summary.
- PR search should allow search of organization or specific PR.
- Credit Cards do not carry total inclusive of shipping and handling and should be corrected.
- Provide capability for entire Line Item Worksheet comment to print out.
- Associate the Job Order at the Line Item Worksheet Level.
- Provide the capability to enter the Job Order associated with the PR when associating a PR to the worksheet.
- Make the following changes to worksheet titles.
 - Remove OSEMA from all screens.
 - Change "Create Projected Expenditure Worksheet" to "Create Line Item Worksheet."
 - Change "Display Projected Expenditures Worksheet" to "Display Line Item Worksheet."
 - Change "Modify Expenditures Worksheet" to "Modify Line Item Worksheet."

- Create an additional RTR Budget Limit table in the Budget Administration area to control the allocation of funds to Job Orders and ensure that RTR allocation is not exceeded. Include the following fields
 - FY
 - Org. Code
 - RTR
 - RTR Amount
- On entry or modification of the TOTAMT field in the JobOrders Table validate that the total RTR amount for that RTR has not been exceeded.
- When entering or modifying Job Order/RTR data on the Line Item Worksheet perform the following validations:
 - Total Job Order/RTR Budgeted Amount has not been exceeded.
 - RTR amount for the organization has not been exceeded.
 - Total RTR amount has not been exceeded.
- When entering a PR on the Line Item Worksheet or through the Purchase Request Option of the Expenditures menu, perform the following RTR validations:
 - PR estimated amount does not cause the RTR budgeted amount for the worksheet to be exceeded.
 - PR estimated amount does not cause the RTR budgeted amount for the organization to be exceeded.
- Change the Budget versus Actuals report to include budget data at the Line Item Worksheet level.
- Provide the capability to view a list of the Work Requests associated to the Line Item Worksheet from the Worksheet Area.
- Provide the capability to identify the Job Order associated with a Work Request.

Metric:

- Delivery of a final Budget Application Module with the full functionality listed above integrated into the existing capabilities.
- Completion of all work within the original schedule and cost.

2. Requirement:

- Install final application on the OSEMA server and assure full functionality during operation.

Metric:

- Demonstration of performance

3. Requirement:

- Conduct training session for users of the system in OSEMA

Metric:

- Hold training session for OSEMA personnel within two weeks of installation of updated budget application on the OSEMA server (Requirement 2).

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD# HA001.00

Title: Integrated Financial Management Program (IFMP)

NASA/LaRC Technical Monitor: Carmen Torres-Nisbet
Mailstop 179
4-6332

Scope: IFMP is tasked to replace portions of the business and administrative systems at each NASA Center with COTS. Each Center is responsible for preparing for the implementation of the Core Financial COTS scheduled for 10/1/97. To support this effort, the contractor shall provide technical support, consulting, and coordination to ensure orderly implementation, integration, and operation of application system software. All of the tasks for this implementation have not been fully depicted. The tasks identification will evolve over the course of this effort. Once the tasks are defined, the JDD will be amended.

1. Performance Requirements: Develop a LaRC Data Conversion Plan (DCPD) which coincides with the direction and schedule contained within the Agency Data Conversion Approach Document of February 1996.

Metric:

- Timely submittal of the LaRC Data Conversion Plan Document in accordance with Headquarters directed date.
- Tasks identified
- Tasks defined
- Roles and responsibilities identified
- Schedule development in accordance with Headquarters directed dates that are specified in the DCPD.

2. Performance Requirements: Develop a LaRC Data Dictionary as defined within the Agency Data Conversion Approach Document of February 1996.

Metric:

- Reliability of the data store for the dictionary selected
- Accuracy of the data dictionary information
- Ability to accurately produce the required information identified in the IFMP Data Conversion Approach Document

17

Job Description Document for BAMIS Contract (NAS1-20650)

JDD # I001.00

Title: HSR Management Information System Modifications For PCD II

LaRC Point of Contact: Ginger Cordle, HSRPO
Mail Stop 131
Phone 4-2915

Scope: Provide application programming support for the HSR Management Information System (MIS) by performing each of the requirements listed below. Each requirement will be measured quarterly throughout the work order performance period as it relates to the quantity, timeliness and quality of the work performed.

General Requirements: Modify the existing HSR MIS to include financial and work force plans from Planning and Control Documents II (PCD II).

Specific Requirements:

1. **Requirement:** Modify the database structure to include PCD I and PCD II data elements in Work Breakdown Structure (WBS) format (Milestone #1).

Metric:

- System can store PCD I and PCD II financial and work force data in WBS format.

2. **Requirement:** Input PCD I and PCD II Xwalk data as detailed by HSR POC. Xwalk directs how to collect actuals based on the Agency Wide Coding Structure (AWCS). Modify system to refer to Xwalks when calculating financial and work force RTR/RTOP element data (Milestone #2).

Metric:

- Accurate display of PCD I and PCD II data when Xwalks are used.
- Queries accessing Xwalk, should not exceed a 15 second system response threshold.

3. **Requirement:** Provide an interface to allow for manual entry and/or update of PCD II plans as needed. Provide a user controlled interface that will open and lock the system to updates at the individual level. Continue to support the current ftp process to gather work force and financial data from other NASA centers. The RTOP view will use the Center's POP plans and the WBS view will use the PCD II plans. Output data in both graphical format and an Excel importable format. (Milestone #3).

Milestones:

1. 3/15/96 PCD I and PCD II actual and work force data in MIS.
2. 3/15/96 PCD I and PCD II Xwalks. (highest priority)
3. 3/15/96 Manual input and update of PCD II plans.
4. 3/15/96 Calculate PCD II data. (highest priority)
5. 3/15/96 PCD II reporting.
6. 3/31/96 PCD II report printing.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. 6	3. EFFECTIVE DATE APR 0 2 1996	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)		CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 2.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Pursuant to the Section I Clause 52.243-2 "Changes—Cost Reimbursement Alternate II", the contractor is authorized and directed by this change order modification to implement changes to the contract Statement of Work as noted below. In accordance with the Changes Clause, an equitable adjustment may be made to the contract estimated cost and fee by a subsequent modification. Incremental funding is allotted to the contract pursuant to the Contract Funding clause. Accordingly, the following changes are hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		CAROLYN A. WELLS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY _____	APR 0 2 1996
		(Signature of Contracting Officer)	

A. Exhibit A, Statement of Work, Paragraph 8. is hereby changed as shown below by adding the following:

-Credit Card Reconciliation System

Performance-based Job Description Documents (JDD's) including performance metrics are included in Exhibit G."

B. Exhibit G is hereby changed by adding the above JDD and is attached hereto.

C. Section B, B.3, Contract Funding, the total amount allotted for payment of cost exclusive of fixed fee is provisionally increased by \$20,000 from \$760,420 to 780,420 and is restated as follows:

"B.3, CONTRACT FUNDING (NASA 18-52.232-81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$780,420. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through April 7, 1996.

(b) An additional amount of \$27,344 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	<u>0</u>	<u>0</u>	<u>0</u>	<u>20,000</u>
Total	\$3,553,400	\$202,964	\$3,756,364	\$807,764.00

Funding includes \$780,420 for cost and \$27,344 for fee.

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JDD</u>
HA.2034	R21321	50590850100	\$20,000	Complete	HA002.00

Exhibit G

Job Description Documents (JDD)

**Job Description Document
for
BAMIS Contract NAS1-20650**

JDD # HA002.00

Title: Credit Card Reconciliation System

LaRC Point of Contact: James H. Ogiba, Chief, Financial Management Division
Mail Stop 136
Phone 4-2075

Scope: This JDD provides for the development and implementation of processes to: electronically receive credit card statement data from Rocky Mountain Bank; allow credit card holders to reconcile the statements on a LaRC WEB page interface to a NETSCAPE browser accessing the Sybase on a RISC6000/390 hardware; process validated and expanded transactions from the DBMS into FMS via the existing batch transaction system. The contractor will provide technical support, consulting, training, and the coordination of the development and implementation of this on-line effort. Acceptance testing will be conducted by FMD and the develop on-line system must go against the test files.

General Requirements: Automate the credit card reconciliation process and entry of obligation and cost data into the Financial Management System.

Performance Requirement:

- Prepare the Functional Requirement Document that identifies the WWW software that will interface with the NETSCAPE browser and access the Sybase DBMS on the RISC6000/390 hardware platform; and, identifies FMD, AD, and LMO needs. Identify costs of the WWW software, DBMS, hardware platform, development, and training. Development will take place on the RISC6000/360 hardware platform. Present a schedule of tasks for the development of the reconciliation process. This document will be reviewed and approved by the Government prior to proceeding with development.
- Develop the credit card reconciliation on-line system.
- Demonstrate prototype modules to FMD prior to testing.
- Prepare a Training Plan document identifying how the training will take place (include but not limited to - where, what type of equipment(s), the duration for the class) and a proposed schedule identifying the tasks necessary to conduct training.
- Prepare a User Guide Document. The customer must be able to easily follow the instructions on how to use the on-line system using appropriate screen graphics.

- Provide training to FMD, card holders, approving officials and other designated personnel identified. Training will use the production system. Approximately 500 customers need to be trained.
- Acceptance testing will be conducted by FMD. The credit card reconciliation on-line system must conform to the Functional Requirement Document. If there are problems identified during testing, the SSC must be available to correct the problems when called upon.
- Documents will be developed under the AIM standards format.

Metric:

- Delivery of the Functional Requirements which identifies the FMD, AD, and LMO needs; provides the proposed schedule; provides the identification of costs for the WWW software, DBMS, hardware platform, development, and training; and is presented in the AIM standard format.
- Delivery of the Training Plan document which identifies the training; provides the proposed schedule; and is presented in the AIM standard format.
- Delivery of the User Guide document which explains the purpose of the user guide and provides step-by-step instructions using screen graphics.
- Training - provides an overview presentation, presents the functionality of the on-line system using the User Guide, allows efficient time for questions and answers, and the capability for the customer to easily operate the on-line system and reconcile his bill.
- Testing - the performance of the system during acceptance testing and the demonstrated conformance of the system to the approved Functional Requirements. Also the timeliness of the contractor's response to problem inquiries and the resolution to problems.
- Completion of all work within the original schedule and cost.

Milestones:

Draft Requirement Document	April 5, 1996
Final Requirement Document	April 10, 1996
Draft Training Plan Document	April 26, 1996
Final Training Plan Document	May 3, 1996
Draft User Guide Document	May 17, 1996
Final User Guide Document	May 24, 1996
Credit Card Reconciliation System installed and available for acceptance testing	May 28, 1996
Credit Card Reconciliation System installed and available for production use	May 31, 1996
Conduct User Training	June 3 - 14, 1996

Exhibit G

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
GMG001	IOG COTS Database	3-01-96
AF002	OSEMA Technology Assessment	3-12-96
AF003	OSEMA Budge Module Update	3-12-96
HA001	Integrated Financial Management Program	3-12-96
I001	HSR Management Information System PCD Mods	3-12-96
HA002	Credit Card Reconciliation System	4-02-96

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 7		3. EFFECTIVE DATE APR	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		CODE	7. ADMINISTERED BY (If other than Item 6)		CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 2.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

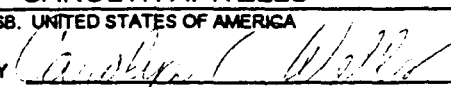
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to add incremental funding to the contract pursuant to the Contract Funding clause. Accordingly, the following change is hereby made:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		CAROLYN A. WELLS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY 	(Signature of Contracting Officer)

A. Incremental funding in the amount of \$270,000 for cost and \$15,000 for fee has been added to Section B, B-3, Contract Funding and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$1,038,920. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through April 30, 1996.

(b) An additional amount of \$41,080 is obligated under this contract for payment of fee."

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	0	0	0	0
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Total	<u>\$3,521,900</u>	<u>\$201,700</u>	<u>\$3,723,600</u>	<u>\$1,080,000</u>

Funding includes \$1,038,920 for cost and \$41,080 for fee.

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>
GMG.1334	A5160	28230020400	\$285,000	Complete

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 8	3. EFFECTIVE DATE APR 19 1996	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, X is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause for additional work added as a result of Modification/Change Order No. 2 dated February 29, 1996. Accordingly, the following changes are hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) WILLIAM L. ANDERSON, EXECUTIVE V.P.		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS	
15B. CONTRACTOR/OFFEROR <i>William L. Anderson</i> (Signature of person authorized to sign)	15C. DATE SIGNED 4/16/96	16B. UNITED STATES OF AMERICA BY <i>Carolyn A. Wells</i> (Signature of Contracting Officer)	16C. DATE SIGNED APR 16 1996

A. Section B., B.2, cost is hereby increased by \$92,033 from \$3,553,400 to \$3,645,433 and award fee is increased by \$3,693 from \$202,964 to \$206,657 and the award fee available for the first period is increased by \$3,693 from \$102,114 to \$105,807 and is shown below.

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$3,645,433 exclusive of the award fee of \$206,657 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$3,852,090.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$105,807

A. Incremental funding in the amount of \$68,037 for cost and \$2,689 for fee has been added to Section B, B-3, Contract Funding and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$1,118,457. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through April 30, 1996.

(b) An additional amount of \$45,033 is obligated under this contract for payment of fee."

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding*</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	<u>92,033</u>	<u>3,693</u>	<u>95,726</u>	<u>70,726</u>
Total	\$3,645,433	\$206,657	\$3,852,090	\$1,163,490

*Funding includes \$1,118,457 for cost and \$45,033 for fee.

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JJD</u>
GMG.1339	A5160	28230020400	\$70,726	Complete	GMG.001.00

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 / 6
2. AMENDMENT/MODIFICATION NO. 9	3. EFFECTIVE DATE APR 1 1996	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)
6. ISSUED BY CODE		7. ADMINISTERED BY (if other than item 6) CODE	
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.
NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
CODE	FACILITY CODE		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

See Page 2.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

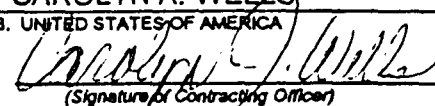
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Pursuant to the Section I Clause 52.243-2 "Changes--Cost Reimbursement Alternate II", the contractor is authorized and directed by this change order modification to implement changes to the contract Statement of Work as noted below. In accordance with the Changes Clause, an equitable adjustment may be made to the contract estimated cost and fee by a subsequent modification. Incremental funding is allotted to the contract pursuant to the Contract Funding clause. Accordingly, the following changes are hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		CAROLYN A. WELLS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	

A. Exhibit A, Statement of Work, Paragraph 8. is hereby changed as shown below by adding the following:

-NASA Automated Audit Management Systems Enhancements (OSEMA)

Performance-based Job Description Documents (JDD's) including performance metrics are included in Exhibit G."

B. Exhibit G is hereby changed by adding the above JDD and is attached hereto.

C. Section B, B.3, Contract Funding, the total amount allotted for payment of cost exclusive of fixed fee is provisionally increased by \$70,000 from \$1,118,457 to \$1,188,457 and is restated as follows:

"B.3, CONTRACT FUNDING (NASA 18-52.232-81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$1,188,457. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through April 30, 1996.

(b) An additional amount of \$45,033 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Total	<u>\$3,645,433</u>	<u>\$206,657</u>	<u>\$3,852,090</u>	<u>\$1,233,490</u>

Funding includes \$1,188,457 for cost and \$45,033 for fee.

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JDD</u>
AF.5375	R21142	32395010100	\$70,000	Partial	AF004.00

Exhibit G

Job Description Documents (JDD)

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
GMG001	IOG COTS Database	2-29-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96

Job Description Document
for
BAMIS Contract (NAS1-20650)

JDD # AF004.00

Title: NASA Automated Audit Management System Enhancements (OSEMA)

LaRC Point of Contact: Charles E. Cockrell, Chief Engineer, OSEMA
Mail Stop 421
Phone 864-3361

Scope

Provide necessary programming support along with required COTS hardware and software to cause the existing OSEMA SUN SparcStation 20 to operate as a server running all existing applications, as well as running the 4D version of the NASA Automated Audit Management System (NAAMS) under Sybase. Assure the availability of NAAMS to all NASA centers through appropriate network links and security measures.

General Requirements

Establish the OSEMA SUN SparcStation 20 as a server for both existing and future 4D applications running under Sybase. Access will have to be assured to all users across network links. Users or potential users will reside with OSEMA facilities, across Langley, and with selected individuals at other NASA Field Centers and Headquarters. The first application to be migrated to the SUN SparcStation 20 will be the NAAMS. One of the concerns with the NAAMS database is the ability to safeguard the information. Attention should be paid not only to protection of the data on the database but also to the ability to protect it during transmission.

Specific Requirements

1. Develop a schedule and resource plan which defines the required COTS software and hardware along with a plan for minimal interruption of current applications.
2. Setup of SUN SparcStation 20 with appropriate COTS hardware and software in OSEMA server room.
3. Assure connection as a node on LaRCNET and availability of current applications making use of the SUN SparcStation 20.
4. Migration of the NAAMS from the current 4D server to the SUN Sparcstation 20.
5. Development of the NAAMS database under Sybase on the SUN SparcStation 20.

6. Development of appropriate security measures and network links to assure availability of the NAAMS database to all NASA Centers.
7. Provide necessary interfaces to the SUN SparcStation 20 applications through individual remote MAC, MS-DOS, or UNIX desktop units.

Metrics

1. Full functionality of all applications accross network from remote desktop equipment.
2. Formal presentation to OSEMA management of all findings and recommendations with a question and answer period to clarify any areas of confusion.
3. Completion of all work within the original schedule and cost.

Milestones

1. Completion of schedule and resource plan by May 1, 1996.
2. Monthly reports to OSEMA management on progress made according to schedule and resource plan.
3. Move the SUN SparcStation 20 to the OSEMA server room with all existing applications available accross the network by June 1, 1996.
4. Functional demonstration of NAAMS operating under Sybase from remote locations by August 1, 1996.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 10	3. EFFECTIVE DATE MAY 06 1996	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE			
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001					

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 2.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

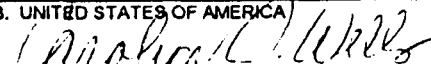
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to add incremental funding to the contract pursuant to the Contract Funding clause. Accordingly, the following change is hereby made:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		CAROLYN A. WELLS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY 	MAY 6 1996
		(Signature of Contracting Officer)	

311 COPY

A. Incremental funding in the amount of \$435,974 for cost and \$25,286 for fee has been added to Section B, B-3, Contract Funding and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$1,624,431. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through June 30, 1996.

(b) An additional amount of \$70,319 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Total	<u>\$3,645,433</u>	<u>\$206,657</u>	<u>\$3,852,090</u>	<u>\$1,694,750</u>

Funding includes \$1,624,431 for cost and \$70,319 for fee.

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JDD</u>
GMG.1051	A5160	282300204	\$461,260	Partial	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 / 11
2. AMENDMENT/MODIFICATION NO. 11	3. EFFECTIVE DATE MAY 10 1996	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (if other than Item 6)		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650	
			10B. DATED (SEE ITEM 13) 2/1/96	
CODE	FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

See Page 2.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

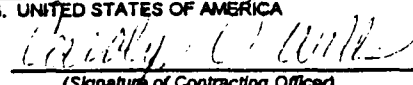
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Pursuant to the Section I Clause 52.243-2 "Changes—Cost Reimbursement Alternate II", the contractor is authorized and directed by this change order modification to implement changes to the contract Statement of Work as noted below. In accordance with the Changes Clause, an equitable adjustment may be made to the contract estimated cost and fee by a subsequent modification. Incremental funding is allotted to the contract pursuant to the Contract Funding clause. Accordingly, the following changes are hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED MAY 10 1996
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE COPY

A. Exhibit A, Statement of Work, Paragraph 8. is hereby changed as shown below by adding the following:

- Facility Maintenance Augmentation Database
- MIS System Plan for LaRC
- EPRS Mods to Support FAB

Performance-based Job Description Documents (JDD's) including performance metrics are included in Exhibit G."

B. Exhibit G is hereby changed by adding the above JDD's and is attached hereto.

C. Section B, B.3, Contract Funding, the total amount allotted for payment of cost exclusive of fixed fee is provisionally increased by \$94,000 from \$1,624,431 to \$1,718,431 and is restated as follows:

"B.3, CONTRACT FUNDING (NASA 18-52.232-81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$1,718,431. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through June 30, 1996.

(b) An additional amount of \$70,319 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Total	<u>\$3,645,433</u>	<u>\$206,657</u>	<u>\$3,852,090</u>	<u>\$1,788,750</u>

Funding includes \$1,718,431 for cost and \$70,319 for fee.

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JDD</u>
GMG. ^{CAW 5/16/96} 1385 1355	M3058	99230020700	\$80,000	Partial	GM.001.00
GI.9162	R20724	50559880600	7,000	Partial	GI.001.00
HB.1242	R20719	50590850100	7,000	Partial	HB001.00

Exhibit G

Job Description Documents (JDD)

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
GMG001	IOG COTS Database	2-29-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-10-96
GM001	MIS System Plan for LaRC	5-10-96
HB001	EPRS Mods to Support FAB	5-10-96

Job Description Document
for
BAMIS Contract (NAS 1-20650)

JDD# GI001.00

Title: Facility Maintenance Augmentation Database

LaRC Points of Contact: Robin K. Rubrecht Mike Fitzgerald
 Mail Stop 481 Mail Stop 481
 Phone 4-3690 Phone 4-3681

Scope: This JDD provides for the development and implementation of processes to: complete the development of a prototype database for tracking LaRC maintenance augmentation projects on 4D Server located in Building 1191, Room 116. The contractor will provide technical support, consulting, training, and the coordination of the development and implementation of this on-line effort. Acceptance testing will be conducted by Operations Support Division (OSD).

General Requirements: Automate the LaRC maintenance augmentation tracking process.

Performance Requirement:

- Complete development of the LaRC Maintenance Augmentation Tracking System using the prototype database.
- Database will include but not limited to - description of task, justification and priority, building or other location information, equipment or system information, cost estimates, schedules and/or milestones, actual cost information, contacts, product line field, and miscellaneous comments. Database input screen(s) arranged to correspond to logical order of input.
- Must have complete Read/Write control and function capability for Work Control, OSD Technical Support, FSED, E&CSS and Customers.
- Prepare the Functional Requirement Document that identifies requirements for Funding and Status functions. Complete coding to accomplish the Funding and Status functions.
- Identify and develop capability for AdHoc reports and searches. Develop and/or assist customer in writing necessary reports.
- Prepare System Documentation to include but not limited to - description, design specifications, database fields, operations' guide.
- Prepare a Training Plan Document identifying how the training will take place(include but not limited to - where, what type of equipment(s), who will be trained, duration) and a proposed schedule. This can be a one-page document describing the training.
- Prepare a User Guide Document. The customer must be able to easily follow the instructions on how to use the on-line system using appropriate screen graphics and

on-line help options. This can be a simple instruction guide that a novice can follow.

- Provide training to designated personnel identified by OSD. Training will use the production system. Approximately 12 people will need to be trained.
- Provide Backup procedures.
- Acceptance testing will be conducted by OSD. If there are problems identified during testing, the Support Service Contractor (SSC) must be available to correct the problems when called upon.
- Documents and coding will be developed using the Management Information Systems Branch (MISB) Data Processing Guide.

Metric:

- Delivery of the Facility Maintenance Augmentation Maintenance Tracking System Database which satisfies the requirements of the OSD needs.
- Delivery of the Functional Requirement Document which identifies the Funding and Status functions and delivery of these functions.
- Delivery of System Documentation which identifies all specifications, database design, operation's guide.
- Delivery of the User Guide document which explains the purpose of the user guide and provides step-by-step instructions using screen graphics and on-line help.
- Training - provides an overview presentation, presents the functionality of the on-line system using the User Guide, allows efficient time for questions and answers, and the capability for the customer to easily operate the on-line system and to produce reports.
- Testing - the performance of the system during acceptance testing and the demonstrated conformance of the system to the approved Functional Requirements. Also the timeliness of the contractor's response to problem inquiries and the resolution to problems.
- Completion of all work within the original schedule and cost.

Milestones:

LaRC Maintenance Augmentation Tracking System installed and available for acceptance testing	May 24, 1996
Draft Requirements Document (Funding and Status)	June 7, 1996
Final Requirements Document (Funding and Status)	June 14, 1996
Draft User Guide Document	August 1, 1996
Final User Guide Document	August 10, 1996
LaRC Maintenance Augmentation Tracking System (include Funding and Status) installed and available for acceptance testing	August 15, 1996

LaRC Maintenance Augmentation Tracking System (complete)
installed and available for production use

August 30, 1996

Conduct User Training

September 30, 1996

Backup Procedures

September 30, 1996

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD # GM001.00

Title: MIS System Plan for LaRC

LaRC Point of Contact: Frank Allario, Chief, ISSD
 Mail Stop 157
 Phone 864-6633

Scope

Development of a plan for a comprehensive MIS System at LaRC including (1) A review of applicable MIS Systems in business, industry, and research institutions to identify potentially transferable models; (2) an investigation of LaRC's needs; and (3) the consideration of emerging management procedures in both Federal and non-Federal environments.

Requirements

1. Development of a plan for fulfilling the Scope.
2. Conduct a MIS workshop at LaRC on existing MIS systems used within business, industry, and research institutions.
3. Development of an MIS plan for LaRC that includes independent as well as sequential options for immediate and future development and implementation.

Metrics and Milestones

1. Submission of a comprehensive plan for fulfilling the Scope: May 25, 1996.
2. Completion of a MIS workshop at LaRC: August 1996.
3. Submission of an MIS plan for LaRC that includes independent as well as sequential options for immediate and future MIS Systems development and implementation:
August 15, 1996

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD # HB001.00

Title: EPRS Modifications to Support Fabrication Division

LaRC Point of Contact: Delores K. Poupard, PRD, CFO
Mail Stop 104
Phone 864-6098

Scope: Provide application programming support for the Langley Electronic Purchase Request System (EPRS) by performing each of the requirements listed below. Each requirement will be measured at selected intervals throughout the work order performance period as it relates to the quantity, timeliness and quality of the work performed.

General Requirements: Modify existing EPRS to include the ability to initiate Fabrication Purchase Requests and Fabrication Change Memos.

Specific Requirements:

1. **Requirement:** Modify the existing EPRS to allow for the initiation of a new fabrication purchase request based on the format in Enclosure 1 using the following guidance.

- The PR number should be automatically assigned by the system using the following logic.

Example: PR Number F776.AB01

F77 = The PR Number will always begin with this

6 = The Program Year input Below

AB = The first two positions of the Spons Org for the RTR. This will be obtained from the PRD Planning File. If the Org is not found in the PRD Planning file it should default to the initiators Org.

01 = Sequential Number assigned by System

- Initiator will be required to enter the following data:

JOB ORDER NUMBER

PY

NUMBER OF FAB HOURS REQUIRED

TECHNICAL ADVISOR

REMARKS SECTION

- The RTR number and MA will be obtained from the job order by EPRS like it is on current PR's.

- The number of hours entered will then be multiplied by a rate to determine the dollar amount for Line 1 of the Fab PR. It is desired that the Fab rate be coded into EPRS so that the user DOES NOT have to enter it, because the possibility of using an incorrect rate could be potentially great. The PRD Fab Analyst will be responsible for notifying MISB if the Fab Rate changes so that it can be modified in EPRS.

- In order to determine the amount for Line 1:

Multiply Number of Fab Hours Required by Rate
Add \$1.00 to the result

- Line 99 amount will be \$1.00

- The Object Class will always be 8888

- There can only be ONE fab PR for a given RTR (9-Digit) for a given PY. When a new PR is added, EPRS will have to check to see if one already exists for this PY with that RTR number. If a PR does exist, then the initiator should be displayed a message indicating this and the PR will not be allowed. Also, EPRS should check to see if the Job Order is Open to both FAB and LABOR. If it is not, then a message should appear indicating this and the Job Order not be allowed to be used.

- Routing:

Initiator
Branch (Based on Current Thresholds)
PRD (\$10K or Greater)
FMD and FAB simultaneously

Metric:

- Fabrication Purchase Request can be prepared in EPRS.
- Reliability and accuracy will be the same as with current PR's in EPRS.
- Routing will be accurate.
- Allow for printing and other functionality currently available in EPRS.

2. Requirement: Modify the existing EPRS to allow for the initiation of a fabrication memo that will be utilized to Add or Decrease \$ and Hours on Fabrication Purchase Requests. See Enclosure 2 for a sample format.

- Initiator will be required to enter the following data:

PURCHASE REQUEST NUMBER
INDICATE IF IS AN "INCREASE" OR "DECREASE"
NUMBER OF FAB HOURS REQUIRED

- The number of Fab Hours Required will be multiplied by the current Rate and this dollar amount will be increased or decreased from Line 1 of the Fabrication PR.

- The following items will need to be displayed:

TECHNICAL ADVISOR
PURCHASE REQUEST NUMBER
RTR
JOB ORDER
PY
MA
NUMBER OF HOURS (INCREASE/DECREASE)
\$ AMOUNT OF (INCREASE/DECREASE)

- Routing:

Initiator
Branch
PRD (\$10K or Greater)
FMD and FAB Simultaneously

Metric:

- Fabrication Change Memos can be prepared in EPRS.
- Reliability and accuracy will be the same as with current PR's in EPRS.
- Routing will be accurate.
- Allow for printing and other functionality currently available in EPRS.

Milestones:

1. 5/31/96 Fabrication Purchase Requests and Change Memos available in EPRS

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 12	3. EFFECTIVE DATE JUN 18 1996	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 2.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

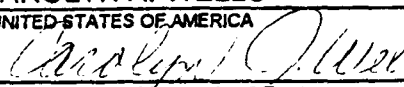
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to add incremental funding to the contract pursuant to the Contract Funding clause. Accordingly, the following change is hereby made:

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		CAROLYN A. WELLS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY 	JUN 18 1996
		(Signature of Contracting Officer)	

FILE COPY

A. Incremental funding in the amount of \$965,983 for cost and \$31,031 for fee has been added to Section B, B-3, Contract Funding and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$2,684,414. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through September 30, 1996.

(b) An additional amount of \$101,350 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Mod. 12	0	0	0	997,014
Total	<u>\$3,645,433</u>	<u>\$206,657</u>	<u>\$3,852,090</u>	<u>\$2,785,764</u>

Funding includes \$2,684,414 for cost and \$101,350 for fee.

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JDD</u>
GMG.1051	A5160	282300204	\$992,014	Partial	
I.0599	H15068	53709200400	5,000	Complete	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 18
2. AMENDMENT/MODIFICATION NO. 13	3. EFFECTIVE DATE JUN 28 1996	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	FAR Clause 52.243-2, Changes - Cost Reimbursement (AUG 1987) Alternate II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The Contractor is hereby authorized and directed, by contract change order, to perform the Statement of Work revisions contained herein. Appropriate contract schedule changes are as follows:

(CONTINUED)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) R. TODD LACKS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>R. Todd Lacks</i> (Signature of Contracting Officer)	16C. DATE SIGNED 6/28/96
(Signature of person authorized to sign)			

FILE COPY

I. Exhibit A, Statement of Work, is revised as follows:

A. Section 8, Applications Development and Enhancement, is revised to incorporate the following Job Description Documents by reference:

HB002.00	Management Information System for Lead Center Budgeting
DA.001.00	Workforce Management System for the Aerodynamics Division
AF005.00	Development of Management Information Systems (MIS) Applications
AF007.00	Computer Hardware and Software Infrastructure Support

B. Section 8, Applications Development and Enhancement, is revised to incorporate the following modifications to existing Job Description Documents by reference:

AF001.01	Application Development for the Office of Safety, Environment and Mission Assurance
GMG001.01	Internal Operations Group COTS Database

II. The Job Description Documents and the modifications to existing Job Description Documents referenced in Paragraph I above are hereby incorporated into Exhibit G.

III. The Government will issue a subsequent modification that definitizes the changes contained herein. A full and complete equitable adjustment will be negotiated and the resulting increases to the estimated cost and available award fee will be effected. The Government will provide incremental funding for the revised effort by a separate modification.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Mod. 12	0	0	0	997,014
Mod. 13	0	0	0	0
Total	<u>\$3,645,433</u>	<u>\$206,657</u>	<u>\$3,852,090</u>	<u>\$3,406,764*</u>

*Includes \$3,305,414 for cost and \$101,350 for award fee.

Job Description Document
for
BAMIS Contract (NAS1-20650)

JDD # AF001.01

Title: Application Development for the Office of Safety, Environment and Mission Assurance

LaRC Point of Contact: Charles E. Cockrell, Chief Engineer, OSEMA
Mail Stop 421
Phone 4-3361

Scope

This job description document (JDD) provides for the completion of development of application packages which will be included in a Management Information System (MIS) in OSEMA. The applications will automate critical functions performed by OSEMA personnel to increase the efficiency and effectiveness of operations. The application development will follow standards and protocols established during development of initial applications under the previous BAMIS contract. The applications will run on Macintosh and other required file servers and operate on a mixture of Macintosh and MS-DOS equipment. Extensive, data intensive, applications will reside on a UNIX based workstation under Sybase.

Additional requirements were generated during prototyping sessions to OSEMA management. These requirements are outlined in Specific Requirements 1.A - F. The enhancements requested require a modification to the original JDD to extend the period of performance through to the accomplishment of the revised milestones.

General Requirements

Provide services for all programming, documentation, checkout, training, and implementation for applications currently under development. Include requirements generated from prototype sessions to OSEMA management.

Specific Requirements

The computer application development activity will include responsibility for final development of specific applications designed to automate activities of OSEMA personnel. Elements of the activity include:

1. Completion of the programming for the following OSEMA MIS modules:

- Problem Failure Report module
- Nonconformance Failure Report module
- Audit Tracking module
- Hardware/Software Inventory module

- A. Enhance the Problem Failure Report module as follows:

- 1). Establish a function that will allow UCC profile to be viewed
 - 2). Calculate and capture total unavailability time per Problem Failure Report (PFR)
 - 3). Develop a set of Pareto Charts based on the PFR total unavailability time
 - 4). Require the identification and selection of at least one PFR component as the failed or non-conforming item
 - 5). Develop the ability to indicate to the user the evidence of a UCC event that falls within the profiled time period
 - 6). Provide a simpler interface for the ad hoc generic report builder in the PFR module
 - 7). Modify the two "Age" reports provided by Dyn-Corp
- B. Enhance the Nonconformance Failure Report (NFR) module by providing a simpler interface for the ad hoc generic report builder in the NFR module.
- C. Enhance the Hardware/Software Inventory module as follows:
- 1). Provide a simpler user interface.
 - 2). Incorporate enhancements requested in prototype demonstration.
 - 3). Fix "bugs" in the on-line help module.
- D. Incorporate corrected on-line help module into Nonconformance Failure Report module.
- E. Incorporate corrected on-line help module into Problem Failure Report module.
- F. Incorporate corrected on-line help module into Audit Tracking Module.
2. Implementation of each of the OSEMA MIS modules listed above.

Metrics

- Satisfactory acceptance testing of each module by designated OSEMA personnel.
- Acceptance, by designated OSEMA personnel, of the final implementation of the above listed modules.
- Completion of documentation and on-line help sections of each module.
- Installation of each module on the OSEMA 4-D server and demonstrated operation.

Milestones

1. Rapid Prototyping demonstrations of individual applications. (2/20/96)
2. Final acceptance testing of individual applications. (7/19/96)
3. Suitability of training and implementation support for individual applications. (7/19/96)

Mod to JDD # GMG001.00
GMG001.01

The initial phase 1 of this JDD has been expanded to include adapting the prototype into a operational system by adding additional functionality of the Workload/Workforce module and the development of Budgetary and Human Resource Modules. These additional modules are required to allow IOG to collect and define data for supporting the Center and Agency planning and reporting requirements. The current JDD period of performance needs to be extended to September, 1996. The specific requirements are as follows:

Specific Requirements:

1. Requirement: As the requirements for the workload/workforce module become stable, the focus of requirements will be on the overall operations of the COTS DB. Relative to this module, implement the Workforce/Workforce module for IOG production. This involves developing standard reports, ad hoc reporting/querying capability, system documentation/workshop on COTS DB design, and documentation on administrative support of the DB.

Metric:

- Provide a stable operational application running on the RISC 6000 platform by July 12, 1996.
- Provide required reporting capability by July 31, 1996.
- Prepare documentation and conduct workshop on the administrative process for maintaining the WL/WF module and DB during week of July 22, 1996.
- Demonstration Windows client access to the COTS DB by July 31, 1996.

2. Requirement: With the requirements for the Workload/Workforce module stable, the next focus will be on the linkage to the estimate budget to the Center's accounting system. For this requirement, an assessment of the requirements as currently known and lessons learned from the WL/WF module development will be made and a projected develop approach will be documented and presented. The development will be based on the workload/workforce database systems.

Metric:

- Document Scope & plan for development and provide a documented assessment by June 14, 1996.
- Present a verbal/chart discussion on the budget module development with a list of functions to be developed June 14.
- Complete prototype development by June 28, 1996.
- Deliver Production system by July 12, 1996.

3. Requirement: With the completion of the budgetary module a human resource management module will be developed. This system will be based on the requirements as defined by the human resources team.

Metric

- Document Scope & plan for development Provide a documented assessment by July 26, 1996.
- Present a verbal/chart discussion on the budget module development with a list of functions to be developed on July 26.
- Complete prototype development by August 16, 1996.
- Deliver Production system by August 30, 1996.

4. Requirement: With the completion of the initial required modules the next phase to the integration of all modules and interfaces to systems in which data is extracted or entered. An example would be interfaces to all existing personnel systems. It is noted that the IOG COTS DB is a data warehouse for maintaining data for easy access by management and staff required for strategic and tactical assessments of workload and workforce.

Metric

- Document the over all system architecture by September 6, 1996.
- Document all administrative functions required for maintaining the data base and interfaces.
- Conduct workshops for MISB and BAMIS personnel for administering the system during the week of September 16, 1996.
- Conduct workshops for applying 3rd party personal computer software for performing ad hoc queries (i.e. PowerBuilder, ACCESS, etc.).

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD# *HB002.00*

Title: Management Information System for Lead Center Budgeting

LaRC Point of Contact: Delores K. Poupard, PRD, CFO
Mail Stop 104
Phone 864-6098

Date Prepared by Requester: June 21, 1996

Scope: Provide application programming support for developing a Management Information System for Langley's new role in Lead Center Budgeting. This effort is required in order for Langley to support our Lead Center role for the Office of Aeronautics for the Advanced Subsonic Technology (AST), High Speed Research (HSR) and Airframe Systems in the Base programs. This system will primarily contain dollars and workforce plans versus actual information. Listed below are general system requirements. Since the coding structure for the Base program is not know at this time, these requirements will be further refined as the project progresses. It is expected that PRD personnel will be working closely with the developers of this system during the duration of this project in order to add and clarify requirements as necessary. Each requirement will be measured at selected intervals throughout the work order performance period as it relates to the quantity, timeliness and quality of the work performed.

General Requirements: Provide a Management Information System to support Langley's new role in Lead Center budgeting. It is expected that this system utilize the latest technology in data base design and connectivity. It is requested that the current High Speed Research (HSR) MIS be used as a basic example for this project. However, the Lead Center system will have expanded capabilities.

Specific Requirements:

1. Requirement:

- Utilize the latest technology in data base design and connectivity.
- Create a Lead Center Management Information system that would utilize client server technology.
- Preferably, Sybase is to be used as the data base with 4th Dimension being used as the graphical user interface.

- The primary means of access to this system by the user community will be Macintosh, but also allow for PC access if the system will appear the same to end users on both platforms and a great deal of effort is not required to allow for PC interface.
- This system must also be able to accommodate access by users from other NASA centers in addition to local Langley users. These local as well as external users would require the capability to status information and update information at selected points in time.
- System will require User ID and Password protection. It is also desired that certain system capabilities (ex., being allowed to update vs query records) be User ID sensitive.

2. Requirement:

- The basic file structure will consist of the following fields. As system development progresses additional fields will be added. It is imperative that the file structure be such that the addition of fields at later dates be relatively simple.
 - Program Code (A7)
 - Program Year (A4)
 - Method of Authorization (A2)
 - Commitment Plans consisting of 24 occurrences to allow for plans covering the current and next fiscal year (N6.1); This will be \$K.
 - Obligation Plans consisting of 24 occurrences to allow for plans covering the current and next fiscal year (N6.1); This will be \$K.
 - Cost Plans consisting of 24 occurrences to allow for plans covering the current and next fiscal year (N6.1); This will be \$K.
 - Commitment Actuals consisting of 12 occurrences to allow for actuals covering the current fiscal year (N6.1); This will be \$K.
 - Obligation Actuals consisting of 12 occurrences to allow for actuals covering the current fiscal year (N6.1); This will be \$K.
 - Cost Actuals consisting of 12 occurrences to allow for actuals covering the current fiscal year (N6.1); This will be \$K.
 - Disbursement Actuals consisting of 12 occurrences to allow for actuals covering the current fiscal year (N6.1); This will be \$K.
 - Guideline (N6.1); This will be \$K.
 - Uncommitted Carryin from prior years (N6.1); This will be \$K. (This will only be applicable to PY Minus 1).

- Unobligated Carryin from prior years (N6.1); This will be \$K. (This will only be applicable to PY Minus 1).
- Uncosted Carryin from prior years (N6.1); This will be \$K. (This will be applicable to PY Minus 1 and prior).
- Civil Service Workforce Plans consisting of 12 occurrences to allow for plans covering the current fiscal year (N6.1); This will be workyear equivalents (WYE).
- Civil Service Workforce Actuals consisting of 12 occurrences to allow for actuals covering the current fiscal year (N6.1); This will be WYE.
- Support Service Contractor Plans consisting of 12 occurrences to allow for plans covering the current fiscal year (N6.1); This will be SSC.
- Support Service Contractor Actuals consisting of 12 occurrences to allow for actuals covering the current fiscal year (N6.1); This will be SSC.

3. Requirement:

- The system will allow the use of Tables that will contain data for report generation purposes. Examples of these are as follows:
 - Current HSR MIS contains tables which house data to tie program codes to a specific work breakdown structure (WBS). The AST program is also considering a similar approach for grouping categories of work. Base requirements are unknown at this time
 - Title, Sponsoring Organization, Responsible Researcher for Programs Codes at 7-Digit level. (Since this system will contain data for other NASA Centers this data will have to be tied to a 7-Digit Program code and a specific Method of Authorization.)
 - Titles for Program Codes at the 5 and 3 digit level. These titles will be the same for all Centers and will not have to be tied to a specific Method of Authorization.
 - System User ID's and security.

4. Requirement:

- Commitment, Obligation, Cost, and Disbursement actuals will be updated in this system on a monthly basis once all of the centers have closed out their accounting systems for the month.
 - It is required that an FTP site be set up to electronically receive a flat file from the other NASA centers which will contain these actuals. This will be done on a monthly basis with an agreed upon due date.
 - The actuals for the Langley programs will be uploaded into this system from the PRD Planning system which is currently being done for the HSR MIS.

- Should the other centers or Langley choose, the capability will exist to logon to the Lead Center MIS and manually key in their actuals by the agreed upon due date. In some cases a few of the other centers have very small dollar amounts under one or two program codes. In these cases it may be easier for them to simply manually input the data into the system rather than to setup an electronic file transfer.

5. Requirement:

- Commitment, Obligation and Cost plans will be updated in this system on an as required basis. Normally, there are two phasing plan calls per year from NASA Headquarters around the October and March timeframe.
 - It is required that an FTP site be set up to electronically receive a flat file from the other NASA centers which will contain these plans. There is no set schedule for this activity like there is with the actuals. While a phasing plan is being formulated, it would be possible that these plans would be updated numerous times in a very short timeframe. The system must have great flexibility in being able to accept these plans on a schedule that cannot be predetermined. Waiting to do this on an "over night" type basis is not acceptable.
 - The plans for the Langley programs will be uploaded into this system from the PRD Planning system which is currently being done for the HSR MIS. Again, it is possible that these would be done numerous times within a very short time period.
 - Should the other centers or Langley choose, the capability will exist to logon to the Lead Center MIS and manually key in plans, especially in a situation where only a few minor changes are required.
 - It is a requirement that PRD be allowed to lock these plans after they have officially been submitted to NASA Headquarters, thereby not allowing these plans to be changed.

6. Requirement:

- A similar requirement as stated in 4 and 5 above exists for workforce plans and actuals. Langley's responsibility in this area has not been clearly defined and discussions have not been held with the other centers on available data in this area and the methods of transmission. The current level of functionality, at a minimum, that exists for workforce in the HSR MIS will have to be maintained.

7. Requirement:

- Currently two official phasing plan submissions to NASA Headquarters Code R are required.
 - It is required that an actual paper copy report be produced (sample attached) showing obligation and cost phasing plans summed to the 5-digit, 3-digit and grand total levels. It is required that a user be able to print this report for an individual center or a total version that would be a summation of all of the centers. It is required that

this can also be done for a selected UPN (3-digit code) or for all of the Office of Aeronautics programs.

- It is required that a flat file be produced showing identical data (5-digit level) as the printed reports above for electronic transmission to NASA Headquarters Code R. This data is loaded into a VAX system that maintained by Code R. Currently, two similar programs (ABT98J and ABT99J) exist for the PRD Planning system on the mainframe. This same format can be used as a guide in producing this file. It is required that a limited number of users be able to submit this for an individual center or a total version that would be a summation of all of the centers. It is required that this can be done for a selected UPN (3-digit code) or for all of the Office of Aeronautics programs.

8. Requirement:

- Basic on-line help capabilities should exist for this system.

9. Requirement:

- Graphic capabilities for simple line/bar charts. This is to be very similar to what currently exists in the High Speed Research MIS.
 - Require a standard set of graphs showing Current PY Commitment, Obligation and Cost Plans versus Actuals. This should be available with the option of selecting one particular center or a total for all centers. This should be available for the HSR, AST and Base programs separately or available as a total for all three of the programs.
 - Require a standard set of graphs showing Commitment plans versus actuals for current PY and PY Minus 1. For current PY would show current year guideline. For PY Minus 1 would show uncommitted carryin. Desire 3 graphs on one page. First graph would be current PY, second graph would be current PY Minus 1, and third graph would be a total of the first and second. This should be available with the option of selecting one particular center or a total for all centers. This should be available for the HSR, AST and Base programs separately or available as a total for all three of the programs.
 - Require a standard set of graphs showing Obligation plans versus actuals for current PY and PY Minus 1. For current PY would show current year guideline. For PY Minus 1 would show unobligated carryin. Desire 3 graphs on one page. First graph would be current PY, second graph would be current PY Minus 1, and third graph would be a total of the first and second. This should be available with the option of selecting one particular center or a total for all centers. This should be available for the HSR, AST and Base programs separately or available as a total for all three of the programs.
 - Require a standard set of graphs showing Cost plans versus actuals for current PY and PY Minus 1 & Prior. For current PY would show current year guideline. For PY Minus 1 & Prior would show uncosted carryin. Desire 3 graphs on one page. First graph would be current PY, second graph would be current PY Minus 1 & Prior, and third graph would be a total of the first and second. This should be available with the option of selecting one particular center or a total for all centers. This should be

available for the HSR, AST and Base programs separately or available as a total for all three of the programs.

- Similar capability will be required for civil service and contractor workforce plans vs actuals, however, this requirement will have to be further defined as the system development progresses. The current level of functionality, at a minimum, that exists for workforce in the HSR MIS will have to be maintained.

10. Requirement:

- Requirement exists for a standard set of management reports and ad hoc user defined reports.
 - A standard set of management reports that can be accessed via a menu will be required. These will be defined as the system development progresses.
 - Users must be able to produce ad hoc reports with relative ease and be able to save these queries, if they desire, for future use.
 - Users must be able to export data from reports with ease into other software packages (Ex., Excel) for further manipulation.

11. Requirement:

- It is desired that the necessary PRD personnel work closely with the system developers throughout the project to clarify and further define needs. Since Langley's requirements for its role as Lead Center for HSR, AST and Airframe Systems are still being determined, it is impossible to exactly define all system requirements at this time. This project development should remain flexible enough to permit the addition of requirements as they are further defined.

Milestones:

1. 10/1/96 System will be fully productional and available for access by all centers.

Job Description Document
for
BAMIS Contract (NAS1-20650)

JDD #AF005.00

Title: Development of MIS Applications

LaRC Point of Contact: Charles E. Cockrell, Chief Engineer, OSEMA
Mail Stop 421
Phone 804-864-3361

Scope

Provide necessary requirements development and application programming or suggest COTS applications for the development of the following system applications for use in OSEMA's MIS environment. The required applications, in priority order for consecutive development, is as follows:

1. Personnel Database
2. Action Item Tracking
3. On-line Regulation
4. Cross-Platform Calendar
5. Process Flow Charts
6. GIS Interfaces
7. Hazardous Waste Transfer forms

General Requirements

Applications, except those with a GIS interface, will use 4D as a front end. The data will be maintained in SYBASE or other appropriate client-server databases running on OSEMA's servers including the Sun Sparcstation 20. The applications shall be accessible from the appropriate computers (Macintosh, PCs running MS Windows 95, and others as appropriate) used by OSEMA personnel, and shall provide the standardized OSEMA user friendly interface. Response time will be a critical performance measure and must guide the database development. Access to all applications will be available to all OSEMA users across LaRC's network links. Protection of the data during transmission and in the database is vital and appropriate backup systems must be included.

Specific Requirements

1. Develop application requirements in consultation with OSEMA and preparation of a Schedule and Resource Plan for each application to include:
 1. Hardware/software requirements
 2. The schedule for completion of each application
 3. The budget for completion of each application
 4. The training needs for each application
 5. Required on-going support for each application
2. Develop individual applications
3. Demonstrate error-free functionality of each application upon delivery
4. Provide training for each application as specified in the Schedule and Resource Plan

Metrics

1. Full LaRC network access and functionality of all applications from remote desktop equipment.
2. Conformance to the specific requirements (above) and those defined in the Schedule and Resource Plan.
3. Completion of all work within the schedule and cost as defined in the Schedule and Resource Plan.

Milestones

1. Completion of the Schedule and Resource Plan for the first application (Personnel Database) by July 26, 1996, or as soon thereafter as possible based on availability of OSEMA personnel for consultation.
2. Development and presentation of the Schedule and Resource Plan for applications 2-7 by August 30, 1996, or as soon thereafter as possible based on availability of OSEMA personnel for consultation.
3. Development of each application within the schedule and cost specified in the Schedule and Resource Plan.
4. Monthly reports to OSEMA management on progress made according to the Schedule and Resource Plan.
5. Functional demonstration of each application operating under SYBASE from remote (LaRC) locations by dates specified in the Schedule and Resource Plan.

Job Description Document
for
BAMIS Contract (NAS1-20650)

JDD #AF007.00

Title: Computer Hardware and Software Infrastructure Support

LaRC Point of Contract: Charles E. Cockrell, Chief Engineer, OSEMA
Mail Stop 421
Phone 804-864-3361

Scope

OSEMA's MIS computer hardware and software infrastructure will be maintained to provide for continual operation. This includes hardware, software and local area network (excluding LaRCNet) installation, system administration, and maintenance.

General Requirements

Provide necessary hardware, software and local area network support, to include: (1) Problem identification and resolution, (2) installation, (3) placement and relocation; and (4) system administration to ensure the continual operation of OSEMA's MIS environment (desktop systems, file servers, related peripherals, and software).

Specific Requirements

- 1 Hardware, software and LAN problem identification and resolution:
- 2 Troubleshoot identified problems and:
 - 2.1 Take corrective action not requiring the provision of hardware or software.
 - 2.2 Install OSEMA provided hardware and software.
 - 2.3 Recommend hardware/software purchases.
 - 2.4 Initiate service requests.
- 3 Document problems and recommend corrective actions for problems requiring additional OSEMA support - purchase of hardware or software.
- 4 Maintain systems and install new releases/updates.
- 5 Perform routine maintenance.
- 6 Schedule, coordinate, supervise, and assist in equipment placement and movement.
- 7 Provide location data for entry in OSEMA's "H/S Tracker" database.
- 8 Provide user assistance with equipment operation (does not include application training or instruction).

Metrics

- 1 Respond to OSEMA trouble call (multiple concurrent problems will be prioritized by OSEMA for consecutive response) within one hour.
- 2 Resolve problems within one work day, based on the availability of required hardware, software, and OSEMA management and personnel for consultation.
- 3 Document problems and solutions requiring action by OSEMA within 1 work day after receipt of trouble call.

Milestones

- 1 Initiation of infrastructure support by July 1, 1996.
- 2 Completion of infrastructure support January 31, 1997.

Job Description Document
for
BAMIS Contract (NAS1-20650)

JDD# DA.001

Title: Workforce Management System for the Aerodynamics Division

LaRC Point of Contact (POC): Barry Price
Mail Stop 238
ext. 47146

Scope:

Develop a computerized system that will enable the Aerodynamics Division, RTG, to plan, track (record "actuals") and report / review the utilization of its workforce.

General Requirements:

- Task and personnel records will be centrally managed at the branch level.
- Workload planning will be performed by each division member with management oversight.
- Tracking, or recording, of "actuals" will be integrated with employee time and attendance (T&A) such that one is a "spin-off" of the other, permitting one-time entry of information.
- Reporting or reviewing of system generated data will provide managers with *ad hoc* report formatting as needed, as well as the ability to quickly produce standardized reports.

Specific Requirements: (all requirements apply to both the prototype and the operational systems described in the Metrics paragraph below)

1. Each user will have their operating environment and degree of database access determined by their password protected user name entered upon logging on to the system.
2. Wherever practicable, "pull down" menus, "point and click" operation and scrollable selection lists will be used to reduce user keystrokes and the likelihood of typographical errors. The population of such selection lists will be administered by those performing the centralized management functions.
3. The repository of data will be two "look-up" tables: one that is task-based, containing such fields as title, description, program or thrust, job order, listing of employees to whom the task is open, etc., and one that is personnel-based, containing such fields as name, org. code, skills, etc. and certain Privacy Act entries which would be needed for demographic-based projections and statistics. These entries would include date of birth, service computation date, grade, etc. and would be protected by restricted access.
4. System user operations will be based upon four related elements or modules:
 - File Management - This is the means of creating and maintaining the tables described in (3), above. Write access will be limited to branch and division management.
 - Planning - Each employee will be able to plan the tasks they will be supporting by skill and level (hours or %FTE). Such plans will tentatively be defined to a monthly level.

(Specific Requirements continued on next page)

- Recording - Each employee will account for how their time is spent. In addition to this information being captured in the Workforce Management system it will also do away with the need for employees to separately report their T&A and cost distribution. This module will record information in a manner that complies with the center's TADS system and will function as a "front-end" for that system, enabling the T&A clerk to merge the data without having to reenter it.
- Reporting - The ability to quickly produce tabular and graphical reports of planned and actual workforce activity.

Metrics:

Phase I - Prototype

The prototype system will perform the functions defined in the attached Specific Requirements without error or internal ambiguity in either the data integrity or operating system.

The prototype system will be delivered, successfully demonstrated, and be ready for β testing, in accordance with the attachment, by a selected pilot group, on or before the date agreed upon by the vendor's representative and the LaRC POC.

Phase II - Operational

The operational system will incorporate all functions and have all operating characteristics and improvements as defined at the end of the pilot program and agreed upon by the LaRC POC and the vendor. The operational system will execute all such functions in the manner agreed upon and without error or internal ambiguity in either the data integrity or operating system.

The operational system will be delivered, successfully demonstrated, and be ready for regular use by the customer organization on or before the date agreed upon by the vendor's representative and the LaRC POC.

Milestones:

- Receipt of proposal July 1, 1996
- Completion of Phase I (delivery of a functioning prototype system) July 31, 1996
- Complete evaluation by pilot group (customer milestone) Aug 15, 1996
- Completion of Phase II (delivery of functioning operational system) Aug 31, 1996

Lawrence E. Putnam
 Assistant Chief
 Aerodynamics Division, RTG

2. AMENDMENT/MODIFICATION NO. 14 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE 7. ADMINISTERED BY (If other than Item 6) CODE
 National Aeronautics and Space Administration
 Langley Research Center
 Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) (x) 9A. AMENDMENT OF SOLICITATION NO.
 NCI Information Systems, Inc.
 8260 Greensboro Drive, Suite 400
 McLean, VA 22102
 9B. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO.
 X NAS1-20650
 10B. DATED (SEE ITEM 13)
 2/1/96
 CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
 See Page 2.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
 X 52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
 B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
 C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
 D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The Contractor is hereby authorized and directed, by contract change order, to perform the Statement of Work revisions contained herein. Appropriate contract schedule changes are as follows:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
 CAROLYN A. WELLS
 CONTRACTING OFFICER
 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED
 BY (Signature of person authorized to sign) (Signature of Contracting Officer) JUL 3 - 1996

FILE COPY

A. Exhibit A, Statement of Work, Paragraph 8. is hereby changed as shown below by adding the following Job Description Documents by reference:

GM002.00 Combined Federal Campaign Application

B. A performance-based Job Description Document (JDD) including performance metrics is added to Exhibit G and is attached hereto."

C. The Government will issue a subsequent modification that definitizes the changes contained herein. A full and complete equitable adjustment will be negotiated and the resulting increases to the estimated cost and available award fee will be effected. The Government will provide incremental funding for the revised effort by a separate modification.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Mod. 12	0	0	0	997,014
Mod. 13	0	0	0	0
Mod. 14	0	0	0	0
Total	<u>\$3,645,433</u>	<u>\$206,657</u>	<u>\$3,852,090</u>	<u>\$3,406,764</u>

Funding includes \$3,305,414 for cost and \$101,350 for fee.

Assignment of Job Description Documents:

<u>IDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-28-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-28-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
FA001	Integrated Financial Management Program	3-14-96
IC01	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
EB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-28-96
AF005	Development of MIS Applications	6-28-96
AF007	OSEMA Computer Infrastructure Support	6-28-96
HB002.00	Management Information System for Lead Center	6-28-96
GM002.00	Combined Federal Campaign Application	7-3-96

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD # GM002.00

Title: Combined Federal Campaign Application

LaRC Point of Contact: Robin Land, MISB
Mail Stop 179
Phone 4-7632

Scope: Develop, implement and support an application for the electronic entry and reporting of CFC pledges by LaRC civil servant employees. The interface will be web based, accessible from multiple desktops using the Netscape web browser. The database will reside on Sybase housed on a RISC6000/390 platform. Data sources will be via user entry, downloaded from LaRC IBM Mainframe, and standard control files within the database.

The contractor will provide technical support, consulting, implementation, and training. Coordination of development will be the responsibility of the MISB point of contact. Acceptance testing will be conducted by CFC committee members, and LaRC civil servant personnel.

General Requirements: Automate the CFC Electronic Pledge process and develop an information system for reporting capabilities.

Performance Requirements:

1. **Requirement:** Develop and implement a CFC Electronic Pledge application.
 - Create a CFC database, using the file structure in the functional requirements document.
 - Develop the CFC electronic pledge application prototype.
 - Demonstrate the prototype application to the LaRC CFC Committee, FMD and HRMD.
 - Develop the CFC electronic pledge production application.
 - Demonstrate the production application to the LaRC CFC Committee.
 - Migrate the production database to the RISC6000/390 platform and modify the application as needed to access this database.

Metric:

- Delivery of the CFC Electronic Pledge application.
2. **Requirement:** Develop a CFC Information System.
 - Participate in the evaluation of desktop client tools which will access a Sybase database.
 - Develop predefined user reports using the selected desktop tool.
 - Develop an interface for accessing user reports.
 - Train CFC committee members, Keypersons, and Coordinators on the use of the CFC Information System.
 - Train CFC Committee members on the selected desktop tool so that they may generate unique reports as needed.

Metric:

- Delivery of the CFC Information System

3. Requirement: Generate and test the LaRC CFC Payroll Deduction file

- Load the LaRC CFC Payroll deduction file from the CFC Sybase database, upload to the IBM Mainframe and test the file through the LaRC Payroll system.
- Provide FMD Payroll with a report reflecting what is on the Payroll Deduction File. The report should be in alphabetical order by last name, and break and total on the first letter of last name. The report should also provide center totals.

Metric:

- File run through payroll generates zero errors.
- Acceptance of the CFC deductions and report by FMD Payroll personnel.

4. Requirement: Generate the CFC Donor file.

- Develop a CFC Donor file record layout.
- Load the CFC Donor file from the CFC Sybase database, and provide to Peninsula CFC Headquarters ADP support personnel.
- Work with Peninsula CFC ADP support personnel to load the file into their system.
- Provide CFC Peninsula Headquarters with a report reflecting what is on the CFC Donor File.

Metric:

- File is loaded onto CFC Donor system.
- Acceptance of LaRC CFC Donor file and report by Peninsula CFC personnel.

Milestones:

1. 7/8/96 Complete CFC Database on test Sybase; RISC6000/360 platform.
2. 7/19/96 Complete CFC Electronic Pledge Application prototype.
3. 8/1/96 Complete development of user standard reports and accessible interface.
4. 8/6/96 Complete production CFC Electronic Pledge Application.
5. 8/8/96 Complete migration of CFC database to RISC6000/390 platform.
6. 8/9/96 CFC Electronic Pledge Application System available for production use
7. 8/8/96 Complete user training on desktop client tool.
8. 8/9/96 CFC Information System available for production use.
9. 8/12/96 Acceptance of LaRC CFC Payroll Deduction file by FMD Payroll.
10. 8/16/96 Acceptance of LaRC Peninsula CFC Donor file by CFC Peninsula headquarters.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE PAGE OF PAGES
1 3

2. AMENDMENT/MODIFICATION NO. 15 3. EFFECTIVE DATE AUG 1996 4. REQUISITION/PURCHASE REG. NO. 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE National Aeronautics and Space Administration Langley Research Center Hampton, VA 23881-0001 7. ADMINISTERED BY (If other than item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102 (X) 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650 10B. DATED (SEE ITEM 13) 2/1/96

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 3.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(D). C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: X 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alternate II (APR 1984) D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to provide for a full and equitable adjustment pursuant to the Changes clause for additional work added as a result of Modification/Change Order No. 4 dated March 14, 1996, and to add \$1,007,134 in incremental funding to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

(CONTINUED)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remain unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) CHARLES K. NARANG, PRESIDENT 15B. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CARL THOMAS WEIH 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 8/8/96 15B. UNITED STATES OF AMERICA BY Carl Thomas Weih 15C. DATE SIGNED 8/9/96

FORM 30 (Rev. 1-6-84) PREVIOUS EDITION UNUSABLE

20-108

STANDARD FORM 30 (Rev. 1-6-84) Prescribed by GSA FAR (48 CFR) 80.203

FILE

A. Section B, B.2. cost is hereby increased by \$77,913 from \$3,645,433 to \$3,723,346 and award fee is increased by \$3,496 from \$206,637 to \$210,133 and the award fee available for the first period is increased by \$3,496 from \$105,807 to \$109,303 and is shown below.

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$3,723,346 exclusive of the award fee of \$210,133 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$3,933,499.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$109,303

B. Section B, B.3, Contract Funding, the total amount allotted for payment of cost exclusive of fixed fee is increased by \$975,769 from \$2,684,414 to \$3,660,183 and is restated as follows:

"B. CONTRACT FUNDING (NASA 18-52.232-81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$3,660,183. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through September 30, 1996.

(b) An additional amount of \$132,715 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Mod. 12	0	0	0	997,014

Mod. 13	0	0	0	0
Mod. 14	0	0	0	0
Mod. 15	<u>77,913</u>	<u>3,496</u>	<u>81,409</u>	<u>1,007,134</u>
	\$3,723,346	\$210,153	\$3,933,499	\$3,792,898

Funding includes \$3,660,183 for cost and \$132,715 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	40,096	38,916	Mod. 15	5/24/96
AF003.00	14,907	666	15,573	20,000	Mod. 15	4/15/96
HA001.00	14,022	838	14,860	14,860	Mod. 15	5/24/96
I001.00	<u>10,460</u>	<u>420</u>	<u>10,880</u>	<u>10,880</u>	Mod. 15	3/31/96
Total	\$201,446	\$8,453	\$209,899	\$213,146		

ACCOUNTING AND APPROPRIATION DATA

PR	IQ	RTR	Amount	Status	JDD	Change Order Mod. No.
AF.5380	R22142	32395010100	\$ 13,916	Complete	AF002.00	4
I.0607	H15068	53709200400	880	Complete	I001.00	4
HA.2033	R21321	50590850100	(5,140)	Complete	HA001.00	4
AF.5375	R21142	32395010100	18,762	Complete	AF004.00	9
AE.5386	M3159	99230060100	50,000	Complete	AF007.00	13
AF.5386	M3159	99230060100	19,000	Complete	AF001.00	13
AF.5374	M3159	99230060100	96,899	Complete	AF005.00	13
DAI.1133	R20564	24230032000	10,000	Complete	DA001.00	13
HB.1246	R21623	50590850200	200,000	Complete	HB002.00	13
GI.9390	R20724	50559880600	14,902	Complete	GI001.00	11
HB.1247	R20719	50590850100	87,915	Complete	HB001.00	11
GMG.1365	A5163	28230022500	500,000	Complete	GMG001.00	13

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE PAGE OF PAGES
1 3

2. AMENDMENT/MODIFICATION NO. 16
3. EFFECTIVE DATE
4. REQUISITION/PURCHASE REQ. NO.
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001
7. ADMINISTERED BY (If other than item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
9A. MODIFICATION OF CONTRACT/ORDER NO.
X NAS1-20650
9B. DATED (SEE ITEM 13)
2/1/96
CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 6 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 3.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation (if any, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alternate II (APR 1984)
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to provide for a full and equitable adjustment pursuant to the Changes clause for additional work added as a result of Modification/Change Order No. 6 dated April 2, 1996, and to add \$136,571 in incremental funding to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

(CONTINUED)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
CHARLES K. NARANG, PRESIDENT
15B. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
CARL THOMAS WEIH
16B. CONTRACTOR/OFFEROR
16C. DATE SIGNED
8/8/96
16B. UNITED STATES OF AMERICA
BY Carl Thomas Weih
16C. DATE SIGNED
8/11/96

FORM 38 (Rev. 10-88)
PREVIOUS EDITION UNUSABLE

STANDARD FORM 38 (Rev. 10-88)
Prescribed by GSA
FPMR (41 CFR) 101-11.6

FILE CO

A. Section B, B.2, cost is hereby increased by \$149,390 from \$3,723,346 to \$3,872,736 and award fee is increased by \$7,180 from \$210,153 to \$217,333 and the award fee available for the first period is increased by \$7,180 from \$109,303 to \$116,483 and is shown below.

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$3,872,736 exclusive of the award fee of \$217,333 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$4,090,069.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$116,483

B. Section B, B.3, Contract Funding, the total amount allotted for payment of cost exclusive of fixed fee is increased by \$132,318 from \$3,660,183 to \$3,792,501 and is restated as follows:

"B. CONTRACT FUNDING (NASA 18-52.232-81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$3,792,501. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through September 30, 1996.

(b) An additional amount of \$136,967 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Mod. 12	0	0	0	997,014
Mod. 13	0	0	0	0

Mod. 14	0	0	0	0
Mod. 15	77,913	3,496	81,409	1,007,134
Mod. 16	<u>149,390</u>	<u>7,180</u>	<u>156,570</u>	<u>136,570</u>
	\$3,872,736	\$217,333	\$4,090,069	\$3,929,468

Funding includes \$3,792,501 for cost and \$136,967 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$ 31,500	\$ 1,264	\$ 32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	40,096	38,916	Mod. 15	5/24/96
AF003.00	14,907	666	15,573	20,000	Mod. 15	4/15/96
HA001.00	14,022	838	14,860	14,860	Mod. 15	5/24/96
IO01.00	10,460	420	10,880	10,880	Mod. 15	3/31/96
HA002.00	<u>149,390</u>	<u>7,180</u>	<u>156,570</u>	<u>156,570</u>	Mod. 16	6/31/96
Total	\$350,836	\$15,633	\$366,469	\$369,716		

ACCOUNTING AND APPROPRIATION DATA

PR	IO	RTR	Amount	Status	JDD	Change Order Mod. No.
HA.2036	R21321	50590850100	\$ 36,570	Complete	HA002.00	6
HA.2035	R21321	50590850100	\$100,000	Complete	HA002.00	6

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 17	3. EFFECTIVE DATE AUG 09 1995	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than item 6)		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		(a)	9A. AMENDMENT OF SOLICITATION NO.	
CODE			9B. DATED (SEE ITEM 11)	
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650	
			10B. DATED (SEE ITEM 13) 2/1/96	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 49.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	52.243-2 Changes - Cost Reimbursement (AUG 1987) Alternate II (APR 1984)
	D. OTHER (Specify type of modification and authority)


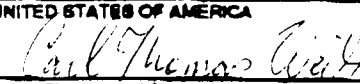
5. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to provide for a full and equitable adjustment pursuant to the Changes clause for additional work added as a result of Modification/Change Order No. 9 dated April 10, 1996. Accordingly, the following changes are hereby made to the Contract Schedule:

(CONTINUED)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as herebefore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) CHARLES K. NARANG, PRESIDENT		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CARL THOMAS WEIH	
15B. CONTRACTOR/OFFEROR 	15C. DATE SIGNED 8/8/96	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 8/9/96

MIN 10-01-100-0070 PREVIOUS EDITION UNUSABLE

20-108

STANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FPMR (41 CFR) 101-11.6

FILE 05

Section B, B.2, cost is hereby increased by \$85,324 from \$3,872,736 to \$3,958,060 and award fee is increased by \$3,579 from \$217,333 to \$220,912 and the award fee available for the first period is increased by \$3,579 from \$116,483 to \$120,062 and is shown below.

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$3,958,060 exclusive of the award fee of \$220,912 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$4,178,972.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$120,062

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Mod. 12	0	0	0	997,014
Mod. 13	0	0	0	0
Mod. 14	0	0	0	0
Mod. 15	77,913	3,496	81,409	1,007,134
Mod. 16	149,390	7,180	156,570	136,570
Mod. 17	<u>85,324</u>	<u>3,579</u>	<u>88,903</u>	<u>0</u>
	\$3,958,060	\$220,912	\$4,178,972	\$3,929,468

Funding includes \$3,792,501 for cost and \$136,967 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

<u>JDD Number</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	<u>Modification Definitized</u>	<u>Completion Date</u>
AF001.00	\$ 31,500	\$ 1,264	\$ 32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	40,096	38,916	Mod. 15	5/24/96
AF003.00	14,907	666	15,573	20,000	Mod. 15	4/15/96
HA001.00	14,022	838	14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	156,570	156,570	Mod. 16	6/31/96
AF004.00	<u>85,324</u>	<u>3,579</u>	<u>88,903</u>	<u>88,762</u>	Mod. 17	8/31/96
Total	\$436,160	\$19,212	\$455,372	\$458,478		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 18	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650	
			10B. DATED (SEE ITEM 13) 2/1/96	
CODE	FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

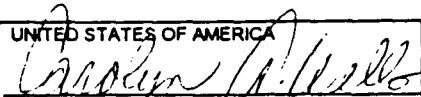
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 18-52.216-76 Award Fee for Service Contracts (SEP 1993)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is revise the award fee available for the first award fee period to reflect the amount earned as determined by the Government. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS CONTRACTING OFFICER	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED
(Signature of person authorized to sign)			

Section B., B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE, Paragraph . . . the award fee available for the first award fee period is \$96,000 and is shown below:

"B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$96,000"

CONTRACT TABULATION

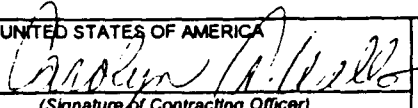
	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Mod. 12	0	0	0	997,014
Mod. 13	0	0	0	0
Mod. 14	0	0	0	0
Mod. 15	77,913	3,496	81,409	1,007,134
Mod. 16	149,390	7,180	156,570	136,570
Mod. 17	85,324	3,579	88,903	0
Mod. 18	0	0	0	0
Total	<u>\$3,958,060</u>	<u>\$220,912</u>	<u>\$4,178,972</u>	<u>\$3,929,468</u>

Funding includes \$3,792,501 for cost and \$136,967 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

<u>JDD Number</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	<u>Modification Definitized</u>	<u>Completion Date</u>
AF001.00	\$ 31,500	\$ 1,264	\$ 32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	40,096	38,916	Mod. 15	5/24/96
AF003.00	14,907	666	15,573	20,000	Mod. 15	4/15/96
HA001.00	14,022	838	14,860	14,860	Mod. 15	5/24/96
1001.00	10,460	420	10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	156,570	156,570	Mod. 16	7/31/96
AF004.00	<u>85,324</u>	<u>3,579</u>	<u>88,903</u>	<u>88,762</u>	Mod. 17	8/31/96

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		15A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS CONTRACTING OFFICER	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED
(Signature of person authorized to sign)			

FILE

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 19	3. EFFECTIVE DATE SEP 17 1996	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650	
			10B. DATED (SEE ITEM 13) 2/1/96	
CODE	FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

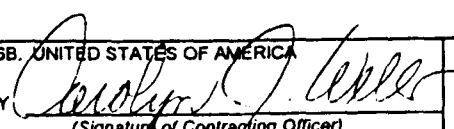
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to add incremental funding to the contract pursuant to the Contract Funding clause. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS CONTRACTING OFFICER	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED
(Signature of person authorized to sign)			

Section B, B.3, Contract Funding, the total amount allotted for payment of cost exclusive of fixed fee is increased by \$93,592 from \$3,792,501 to \$3,886,093 and is restated as follows:

*B.3, CONTRACT FUNDING (NASA 18-52.232-81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$3,886,093. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through October 31, 1996.

(b) An additional amount of \$136,967 is obligated under this contract for payment of fee.*

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Mod. 12	0	0	0	997,014
Mod. 13	0	0	0	0
Mod. 14	0	0	0	0
Mod. 15	77,913	3,496	81,409	1,007,134
Mod. 16	149,390	7,180	156,570	136,570
Mod. 17	85,324	3,579	88,903	0
Mod. 18	0	0	0	93,592
Total	<u>\$3,958,060</u>	<u>\$220,912</u>	<u>\$4,178,972</u>	<u>\$4,023,060</u>

Funding includes \$3,886,093 for cost and \$136,967 for fee.

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JJD</u>
GMG.1388	A5162	28230021500	\$45,000	Complete	GM002.00
GMG.1399	A5161	28230020500	19,132	Complete	GM002.00
AFD.1025	A5402	28220092200	29,460	Complete	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 20	3. EFFECTIVE DATE OCT 07 1996	4. REQUISITION/PURCHASE REQ. NO. See Page 3	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, **X** is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause for additional work added as a result of Modification/Change Order No. 11 dated May 10, 1996. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS CONTRACTING OFFICER		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ORIGINAL	16C. DATE SIGNED OCT 07 1996
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

A. Section B, B.2, cost is hereby increased by \$198,325 from \$3,958,060 to \$4,156,385 and award fee is increased by \$9,441 from \$220,912 to \$230,353 and the award fee available for the second period is increased by \$9,441 from \$100,850 to \$110,291 and is shown below.

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$4,156,385 exclusive of the award fee of \$230,353 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$4,386,738.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$96,000
August 1, 1996 - January 31, 1997	110,291

B. Incremental funding in the amount of \$6,000 for cost has been added to Section B, B-3, Contract Funding and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$3,892,093. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through October 31, 1996.

(b) An additional amount of \$136,967 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Mod. 12	0	0	0	997,014
Mod. 13	0	0	0	0
Mod. 14	0	0	0	0
Mod. 15	77,913	3,496	81,409	1,007,134
Mod. 16	149,390	7,180	156,570	136,570
Mod. 17	85,324	3,579	88,903	0
Mod. 18	0	0	0	0
Mod. 19	0	0	0	93,592
Mod. 20	198,325	9,441	207,766	6,000
Total	\$4,156,385	\$230,353	\$4,386,738	\$4,023,060

Funding includes \$3,892,093 for cost and \$136,967 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

<u>JDD Number</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	<u>Modification Definitized</u>	<u>Completion Date</u>
AF001.00	\$ 31,500	\$ 1,264	\$ 32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	40,096	38,916	Mod. 15	5/24/96
AF003.00	14,907	666	15,573	20,000	Mod. 15	4/15/96
HA001.00	14,022	838	14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	88,903	88,762	Mod. 17	8/31/96
GI001.00	23,810	1,091	24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	84,950	80,000	Mod. 20	9/30/96
HB001.00	93,058	4,857	97,915	97,915	Mod. 20	9/03/96
Total	\$634,485	\$28,653	\$663,138	\$661,294		

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JDD</u>
GI.9162	R20724	50559880600	3,000	Complete	GI001.00
HB.1242	R20719	50590850100	3,000	Complete	HB001.00

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 21	3. EFFECTIVE DATE SEP 27 1996	4. REQUISITION/PURCHASE REQ. NO. AF 5425		5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
CODE	FACILITY CODE	10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
PR: AF 5425; R21143; \$245,000 (Complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to add incremental funding to the contract pursuant to the Contract Funding clause. Accordingly, the following changes is hereby made to the Contract Schedule:

(Continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Panice H. Clark	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <u>Panice H. Clark</u> (Signature of Contracting Officer)	16C. DATE SIGNED 9/27/96
(Signature of person authorized to sign)			

Incremental funding in the amount of \$245,000 for cost has been added to Section B, B-3, Contract Funding and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$4,137,093. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through December 12, 1996.

(b) An additional amount of \$136,967 is obligated under this contract for payment of fee."

Contract Tabulation

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Mod. 12	0	0	0	997,014
Mod. 13	0	0	0	0
Mod. 14	0	0	0	0
Mod. 15	77,913	3,496	81,409	1,007,134
Mod. 16	149,390	7,180	156,570	136,570
Mod. 17	85,324	3,579	88,903	0
Mod. 18	0	0	0	0
Mod. 19	0	0	0	93,592
Mod. 20	198,325	9,441	207,766	6,000
Mod. 21	<u>0</u>	<u>0</u>	<u>0</u>	<u>245,000</u>
Total	\$4,156,385	\$230,353	\$4,386,738	\$4,274,060

Funding includes \$4,137,093 for cost and \$136,967 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES 1 / 3
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2. AMENDMENT/MODIFICATION NO. 22	3. EFFECTIVE DATE OCT 24 1996	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, **X** is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause for additional work added as a result of Modification/Change Order No. 14 dated July 3, 1996. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Charles K. Nanang President	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS CONTRACTING OFFICER
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 10/18/96
16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED OCT 24 1996

FILE COPY

A. Section B, B.2, cost is hereby increased by \$61,189 from \$4,156,385 to \$4,217,574 and award fee is increased by \$2,943 from \$230,353 to \$233,296 and the award fee available for the second period is increased by \$2,943 from \$110,291 to \$113,234 and is shown below.

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$4,217,574 exclusive of the award fee of \$233,296 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$4,450,869.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$96,000
August 1, 1996 - January 31, 1997	113,234

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic	\$3,521,900	\$201,700	\$3,723,600	\$500,000
Mod. 1	0	0	0	25,000
Mod. 2	0	0	0	0
Mod. 3	0	0	0	150,000
Mod. 4	0	0	0	100,000
Mod. 5	31,500	1,264	32,764	12,764
Mod. 6	0	0	0	20,000
Mod. 7	0	0	0	285,000
Mod. 8	92,033	3,693	95,726	70,726
Mod. 9	0	0	0	70,000
Mod. 10	0	0	0	461,260
Mod. 11	0	0	0	94,000
Mod. 12	0	0	0	997,014
Mod. 13	0	0	0	0
Mod. 14	0	0	0	0
Mod. 15	77,913	3,496	81,409	1,007,134
Mod. 16	149,390	7,180	156,570	136,570
Mod. 17	85,324	3,579	88,903	0
Mod. 18	0	0	0	0
Mod. 19	0	0	0	93,592
Mod. 20	198,325	9,441	207,766	6,000
Mod. 21	0	0	0	245,000
Mod. 22	<u>61,189</u>	<u>2,943</u>	<u>64,131</u>	<u>0</u>
Total	<u>\$4,217,574</u>	<u>\$233,296</u>	<u>\$4,450,869</u>	<u>\$4,274,060</u>

Funding includes \$4,137,093 for cost and \$136,967 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

<u>JDD Number</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	<u>Modification Definitized</u>	<u>Completion Date</u>
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	40,096	38,916	Mod. 15	5/24/96
AF003.00	14,907	666	15,573	20,000	Mod. 15	4/15/96
HA001.00	14,022	838	14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	88,903	88,762	Mod. 17	8/31/96
GI001.00	23,810	1,091	24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	84,950	80,000	Mod. 20	9/30/96
HB001.00	93,058	4,857	97,915	97,915	Mod. 20	9/03/96
GM002.00	<u>61,189</u>	<u>2,943</u>	<u>64,132</u>	<u>64,132</u>	Mod. 22	11/04/96
Total	\$695,674	\$31,596	\$727,270	\$725,426		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 23		3. EFFECTIVE DATE NOV 22 1996	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE			

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.
NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
			10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.


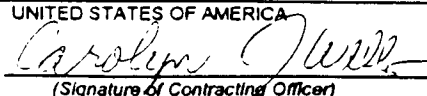
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, **X** is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to revise FAR Clause 52.232-22--Limitation of Funds. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) CHARLES K. NARANG PRESIDENT		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS CONTRACTING OFFICER	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 11/15/96	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED NOV 22 1996

(2) The Contractor is not obligated to continue performance under this contract (including actions under the Termination clause of this contract) or otherwise incur costs in excess of (i) the amount then allotted to the contract by the Government or, (ii) if this is a cost-sharing contract, the amount then allotted by the Government to the contract plus the Contractor's corresponding share, until the Contracting Officer notifies the Contractor in writing that the amount allotted by the Government has been increased and specifies an increased amount, which shall then constitute the total amount allotted by the Government to this contract.

(g) The estimated cost shall be increased to the extent that (1) the amount allotted by the Government or, (2) if this is a cost-sharing contract, the amount then allotted by the Government to the contract plus the Contractor's corresponding share, exceeds the estimated cost specified in the Schedule/Change Order. If this is a cost-sharing contract, the increase shall be allocated in accordance with the formula specified in the Schedule/Change Order.

(h) No notice, communication, or representation in any form other than that specified in subparagraph (f)(2) above, or from any person other than the Contracting Officer, shall affect the amount allotted by the Government to this contract. In the absence of the specified notice, the Government is not obligated to reimburse the Contractor for any costs in excess of the total amount allotted by the Government to this contract, whether incurred during the course of the contract or as a result of termination.

(i) When and to the extent that the amount allotted by the Government to the contract is increased, any costs the Contractor incurs before the increase that are in excess of (1) the amount previously allotted by the Government or, (2) if this is a cost-sharing contract, the amount previously allotted by the Government to the contract plus the Contractor's corresponding share, shall be allowable to the same extent as if incurred afterward, unless the Contracting Officer issues a termination or other notice and directs that the increase is solely to cover termination or other specified expenses.

(j) Change orders shall not be considered an authorization to exceed the amount allotted by the Government specified in the Schedule/Change Order, unless they contain a statement increasing the amount allotted.

(k) Nothing in this clause shall affect the right of the Government to terminate this contract. If this contract is terminated, the Government and the Contractor shall negotiate an equitable distribution of all property produced or purchased under the contract, based upon the share of costs incurred by each.

(l) If the Government does not allot sufficient funds to allow completion of the work, the Contractor is entitled to a percentage of the fee specified in the Schedule/Change Order equaling the percentage of completion of the work contemplated by this contract.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES 1 / 3
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2. AMENDMENT/MODIFICATION NO. 24	3. EFFECTIVE DATE NOV 15 1996	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
--	---

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

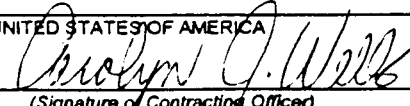
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to add incremental funding to the contract pursuant to the Contract Funding Clause. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS CONTRACTING OFFICER
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED NOV 15 1996

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JDD</u>
AF.5427	M3159	99230060100	\$52,570.00	Complete	AF007.00
AF.5427	R21143	32397010100	8,815.70	Complete	
AF.5427	M3159	99230060100	23,950.30	Complete	

CORRECTIONS TO ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JDD</u>	<u>MOD. NO.</u>
AF.5425	R21143	32397010100	\$124,931	Complete	AF001.01	21
AF.5425	R21143	32397010100	120,069	Complete	AF007.00	21
AF.5374	M3159	99230060100	37,881	Complete	AF001.01	15
AF.5374	M3159	99230060100	59,018	Complete	AF005.00	15

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 25		3. EFFECTIVE DATE NOV 27 1996		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650	
				10B. DATED (SEE ITEM 13) 2/1/96	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
GMG.1410; JO: A5160; RTR: 28230020400; \$2,120,000 (Complete)

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Section H, H.3, Options

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to exercise the first 12-month option period and add incremental funding to the contract. Accordingly, the following changes are hereby made:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) PANICE H. CLARK CONTRACTING OFFICER	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <u>Panice H. Clark</u> (Signature of Contracting Officer)	16C. DATE SIGNED 11/27/96
(Signature of person authorized to sign)			

FILE COPY

A. Section B, B.2, Estimated Cost, Award Fee, and Fixed Fee, is hereby replaced by the following to include the cost and fee associated with the exercise of the First Option Period. The increase in the cost is \$3,517,800 and the increase in the award fee is \$204,100

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$7,735,374, exclusive of the award fee of \$437,396. The total estimated cost, award fee, and fixed fee is \$8,172,770."

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$96,000
August 1, 1996 - January 31, 1997	113,234
February 1, 1997 - July 31, 1997	102,050
August 1, 1997 - January 31, 1998	102,050"

B. Funding in the amount of \$2,120,000 for cost and fee has been added to Section B, B-3, Contract Funding and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$6,270,162. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through July 22, 1997.

(b) An additional amount of \$209,234 is obligated under this contract for payment of fee."

C. Section F, F.1, Period of Performance, is hereby replaced by the following:

"F.1 PERIOD OF PERFORMANCE (NASA 18-52.212-74) (DEC 1988)

The period of performance of this contract shall be 24 months from the effective date of the contract."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 24	\$4,217,574	\$233,296	\$4,450,870	\$4,359,396
Mod. 25	<u>3,517,800</u>	<u>204,100</u>	<u>3,721,900</u>	<u>2,120,000</u>
Total	\$7,735,374	\$437,396	\$8,172,770	\$6,479,396

Funding includes \$6,270,162 for cost and \$209,234 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 13
2. AMENDMENT/MODIFICATION NO. 26	3. EFFECTIVE DATE 9806	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 3.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.


(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The contractor is hereby authorized and directed, by contract change order, to implement changes to the contract Statement of Work as noted below. Incremental funding is allotted to the contract pursuant to the Contract Funding clause. Accordingly, the changes are as follows:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS CONTRACTING OFFICER	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 27 1998
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE COPY

A. Exhibit A, Statement of Work, is hereby changed as shown below:

1. Section 8, Applications Development and Enhancements, is revised to incorporate the following Job Description Documents (JDD) by reference:

GMG002.00	LaRC's Data Warehousing and Implementation
AF006.00	SYBASE Conversion of OSEMA MIS Budget Module
AF009.00	Badge and Pass System

2. Section 8, Applications Development and Enhancements, is revised to incorporate the following modifications to existing Job Description Documents (JDD) by reference:

GMG001.02	I0G COTS Database
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B. A performance-based JDD including performance metrics is added to Exhibit G and is attached hereto.

C. The Government will issue a subsequent modification that definitizes the changes contained herein. A full and complete equitable adjustment will be negotiated and the resulting increases to the estimated cost and available award fee will be effected.

D. Funding in the amount of \$590,233 for cost and fee has been added to Section B, B-3, Contract Funding and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$6,828,042. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through July 22, 1997.

(b) An additional amount of \$241,587 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 24	\$4,217,574	\$233,296	\$4,450,870	\$4,359,396
Mod. 25	3,517,800	204,100	3,721,900	2,120,000
Mod. 26	0	0	0	590,233
Total	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629

Funding includes \$6,828,042 for cost and \$241,587 for fee.

ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JDD</u>
GMG.1414	A5487	28230021400	\$180,000	Complete	GMG001.02
GMG.1415	A5487	28230021400	275,000	Complete	GMG002.00
GMG.1412	M3058	99230020700	4,950	Complete	GM001.00
AFC.1209	M3159	99230060100	39,199	Complete	AF006.00
AFC.1209	M3159	99230060100	90,073	Complete	AF009.00
AFC.1209	M3159	99230060100	1,011	Complete	

CORRECTIONS TO ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JDD</u>	<u>MOD. NO.</u>
AF.5427	R21143	32397010100	\$8,816	Complete	AF006.00	24
AF.5427	M3159	99230060100	23,950	Complete	AF006.00	24
AFD.1025	A5402	28220092200	17,362	Complete	AF006.00	19
AFD.1025	A5402	28220092200	2,440	Complete	AF002.00	19
AF.5366	M3159	99230060100	-6,391	Complete	AF003.00	4
AF.5366	M3159	99230060100	6,391	Complete		

REVISED DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

<u>JDD Number</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	<u>Modification Definitized</u>	<u>Completion Date</u>
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	40,096	41,356	Mod. 15	5/24/96
AF003.00	14,907	666	15,573	13,609	Mod. 15	4/15/96
HA001.00	14,022	838	14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	88,903	88,762	Mod. 17	8/31/96
GI001.00	23,810	1,091	24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	64,132	64,132	Mod. 22	11/04/96
Total	\$695,674	\$31,596	\$727,270	\$726,425		

Exhibit G

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD# GMG002

Title: LaRC's Data Warehousing Development and Implementation

NASA/LaRC Technical Monitor: Fred Moore
Mail Stop 179
4-6332

Scope:

Across the Center, multiple information systems have been or are being developed in support of organizations for performing their functions. The systems consist of large databases on mainframes, client servers, and standalone devices. In order to meet the continuing needs of management information and reporting, the Center will implement a data warehouse capability for more timely and efficient delivery of information to the Center.

The warehouse will be a subject oriented information provider using front-end analysis and presentation software. Examples of the front-end software are Decision Support systems (DDS), Executive Information Management Systems, and spreadsheets which allow analyst and decision makers to effectively access, manipulate and utilized needed information. Sources of the data warehouse are normally operational production data bases and data files. This raw data is scrubbed, manipulated, and reconfigured for input into the Data Warehouse storage. The data are generally organized around subject information that is frequently applicable across organizations for analysis and decision support activities. The data will be periodically updated using sophisticated front-end tools that seamlessly access the cleanest and best organized internal/external information. This allows the user to perform normally arduous analytical calculation and information queries in a very effective and timely manner. A consistent and reliable source of enterprise data and information is required to support the implementation of the Center's strategic and quality plans.

The implementation must take into consideration the changes occurring within NASA overall information management plans, user requirements, existing systems and data administration, application of off-the-self technology and available resources. The Data Warehousing Development and Implementation effort will occur in three phases. The first phase will define and document the approach and scope of the Center's Data Warehouse. Phase Two will develop the design, a prototype, the data model, and the overall architecture. Phase Three will develop and implement the Data Warehouse.

Specific Requirements:

1. Requirements: The first phase of the LaRC's Data Warehousing Development and Implementation activity is an assessment of existing data warehousing efforts which will provide guidance on the scope of this effort. This phase will clearly define and document the process and scope of the application of data warehousing concepts. Some of the planning issues consist of:

- Identification of the different classes of users.
- Definition of each classes needs.
- Determination of the granularity of data required to support each class of user needs.
- Determination of the temporal (or time) value of the data.

- Development of a method of assuring tractability of the data.
- Establishing source controls and filtering.
- Developing monitoring approaches to ensure the effectiveness of the design.
- A migration plan for introducing new data sources to the warehouse should be part of the planning phase.

Metric:

- Provide draft of data warehousing implementation plan 1 month after receipt of the Government's requirements.
- Final plan within 2 weeks of the approval by the Government of the above draft plan.

2. Requirements: The second phase of the LaRC's Data Warehousing Development and Implementation activity will develop the design, a prototype, the data model, and the overall architecture, such as multi-tier and enterprise warehousing. Some of the implementation and development issues consist of:

- System design should be top down.
- Implementation should be from-the bottom up.
- A data warehouse is not just a collection of data extracted from various operational data systems so a key component of the design should be the manipulation and integration of the source data.
- Most data warehouses that rely on manual (ftp, sneaker-net, etc.) downloading of data are short-lived.
- Segmentation of the warehouse to support different types of access improve performance.
- Administration of the warehouse is a significant task and responsibility should be assigned accordingly.

These requirements will be clarified and/or expanded with findings from Phase 1.

Metric:

- Delivery of draft versions of the required documentation within a month of the acceptance of the final plan delivered in Phase 1.
- A preliminary design review (PDR) within 2 months of receipt of the final plan delivered in Phase 1.
- A final critical design review (CDR) within 1 month after PDR.
- Deliver all final required document within 2 weeks after the CDR.

3. Requirements: The third phase of the LaRC's Data Warehousing Development and Implementation is the actual development and implementation of the data warehouse. Some of the issues to consider during the development consist of:

- Interfaces to Agencywide systems.
- Centerwide cross-platform accessibility.
- Data query provided with reports as well as ad hoc access.
- Application of off-the-shelf technologies.

These requirements will be clarified and/or expanded with findings from Phase 1 and Phase 2.

Metric:

- Software development/COTS implementation to be completed and tested within 2 months after CDR.
- Beta testing completed 2 weeks after software delivery.
- User training plans and documentation delivered such as user dictionary delivered within 2 weeks after software acceptance.

The Government's decision to proceed with Phase 2 or Phase 3 will be based on satisfactory completion of the previous phase.

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD # GMG001.02

Title: IOG COTS Database (Revision 2)

LaRC Point of Contact: Fred Moore
Mail Stop 179
Phone 43243

Scope:

The Center is currently undergoing significant changes in the way that the Center will do business. For example, the Center will track Center costs by using full cost accounting, employ activity based management for managing work, and implement new Agency-wide integrated financial management systems (IFMP) for official accounting purposes.

With these Center changes and the recent completion of phase-1 of JDD GMG001, this JDD will be expanded to include adapting additional functionality into the operational system for supporting the Center's initiatives and the additional functionality for supporting IOG Product Line management process. These additional modules are required to allow IOG to collect and define data for supporting the Center and Agency planning and reporting requirements.

General Requirements:

Provide Support for all programming, documentation, and implementation on a 4D/Sybase client server environment.

Specific Requirements:

1. Requirement: With the initial requirements for the Workload/Workforce module being completed, the requirements for the additional functions has to be defined, designed, coded, tested, and implemented using a normal software development methodology. Before this process is put into place the COTS DB systems has be configured for production. This involves defining and documenting existing code, the required data & database administrative functions and the operations procedures. A test plan has to be defined and documented for testing the system to ensure up time to the user is over 90%. A help desk has to be established and trained on the COTS DB system and to support the user with implementation and help on their desktop hardware & software systems.

Metric: • Provide a stable operational application running on the SUN platform by Dec. 9, 1996.

• Establish Help Desk by Dec. 2, 1996.

• Prepare documentation and conduct workshop on the administrative process for maintaining the WL/WF module and DB during week of January 13, 1997.

• Demonstration cross platform capability of the client access to the COTS DB during week of January 13, 1997.

2. Requirement: With the Workload/Workforce module in a productional mode, addition functionality is being requested. Examples of the additional functionality consists of : FTE budgeting, Actual versus Plans, and financial planning(Center Operating Plans, COPS). This requirements is to provide consultation in defining the requirements for meeting the requested functionality. This activity will involve design sessions for defining and documenting requirements, and documenting the design. With these requirements, a proposal will be prepared and following government acceptance, the additional function development will follow normal software development methodology.

Metric:

- After initial discussion of each new function with the IOG Central Office, a schedule for defining and documenting each new function will be defined.

3. Requirement: With each new function clearly defined and each proposal accepted by the government, the required software will be developed, tested, and implemented. The required training for the end user will be provided.

Metric:

- The metric will be the scheduled and dollar value proposed and accepted by the government.
- The software will be implemented with minimal disruption, ex. no more than one day and no loss of data.

4. Requirement: The informtion technology required by IOG to managment by Product Lines may require additional development of database modules. The requirements of these module will have to be defined and documented. This activity will require consultation and support in defining these requirements and the associated interfaces to the existing IOG COTS DB modules and or Center-wide systems.

Metric:

- The definition and documentation of scope of module and its requirements will be completed within three weeks of the governments direction for go ahead and committment of schedule for capturing requirements.

**Job Description Document
for
BAMIS Contract NAS1-20650**

JDD AF-006

Title: SYBASE Conversion of OSEMA MIS Budget Module

LaRC Point of Contract: Charles E. Cockrell, Chief Engineer, OSEMA
Mail Stop 421
Phone 757-864-3361

Scope

Provide necessary programming support to convert the existing version of the OSEMA MIS Budget module from a 4D database application running on a 4D server to a Sybase database application running on a UNIX based workstation.

General Requirements

The application will use 4th Dimension for the standardized OSEMA interface as a front end and SYBASE running on OSEMA's SUN UNIX Server. The OSEMA Budget system shall be accessible from the appropriate computers (Macintosh, PCs running MS Windows 95) used by OSEMA personnel, and shall provide the standardized OSEMA user interface including four levels of access control. Response time will be a critical performance measure and must guide the database development. Access to the OSEMA Budget module shall be available to all OSEMA users across LaRC's network links. Protection of the data during transmission and in the database is vital and appropriate backup capability must be included.

Specific Requirements

1. Develop the OSEMA Budget module database under Sybase on the SUN SparcStation 20.
2. Migrate the OSEMA Budget module from the current 4D server to the SUN SparcStation 20.
3. Demonstrate error-free functionality of the OSEMA Budget module upon delivery.
4. Provide training for users of the OSEMA Budget module.

Metrics

1. Full LaRC network access and functionality of the OSEMA Budget module from remote desktop (PC with Windows 95 and Macintosh) computers.
2. Completion of all work within the agreed upon schedule and cost
3. The system will be delivered error-free and successfully demonstrated.

Milestones

1. Provide Monthly Status Reports
2. Conversion of test data for training
3. Training
4. System Acceptance Testing
5. Data conversion from 4D to Sybase
6. System available for production

Monthly
February 24-28, 1997
March 3 -7, 1997
March 10-21, 1997
March 24-28, 1997
March 31, 1997

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD AF-009

Title: Badge and Pass System

LaRC Point of Contract: Charles E. Cockrell, Chief Engineer, OSEMA
Mail Stop 421
Phone 757-864-3361

Scope

Design, develop and implement a Badge and Pass System LaRC's Badge & Pass Office

General Requirements

The data will be maintained in SYBASE running on OSEMA's server. The applications shall be accessible from appropriate computers (Macintosh, PCs running MS Windows 95, and others) utilized by OSEMA personnel, and shall provide the standardized OSEMA user interface including four levels of access control. Response time will be a critical performance measure and must guide the database development. Access will be available to appropriate OSEMA users across LaRC's network. Protection of the data during transmission and in the database is vital and appropriate backup systems must be included.

The application will provide for conversion from analog to digital cameras in the Badge & Pass Office.

Specific Requirements

The development should be divided into 3 distinct phases:

1. Development of Core Functionality
2. Migration of the Telephone Locator System
3. Migration of the Traffic Violations System

The estimated period of performance for this project is 16 weeks. Phase 1 should be complete within 13 weeks, followed by Phase 2 which should be complete in 14 weeks, and finally Phase 3 should be complete in 16 weeks.

Phase 1 Core Functionality

1. Develop the application programming interface (API) that will provide communication from the 4D Windows/Sybase environment to the video capture card.
2. Test the API
3. Configure the Windows and printer drivers to enable the 4D application to send print jobs to the color, thermal, and pvc printers from within the 4D environment.
4. Develop or provide an interface that will allow the MIS staff or OSEMA managers the capability to modify the badge template
5. Import data from FoxPro into Sybase
6. Develop the 4D GUI screens
7. Install site acceptance testing (SAT) system
8. Training
9. Respond to site acceptance testing (SAT) issues

Phase 2 Migration of the Telephone Locator System

1. Develop the 4D GUI screens
2. Import data from mainframe into Sybase
3. Install site acceptance testing (SAT) system
4. Training
5. Respond to site acceptance testing (SAT) issues

Phase 3 Migration of the Traffic Violations System

1. Develop the 4D GUI screens
2. Import data from mainframe into Sybase
3. Install site acceptance testing (SAT) system
4. Training
5. Respond to site acceptance testing (SAT) issues

Metrics

- 1. Full LaRC network access and functionality of all applications from remote desktop equipment.
2. Conformance to the specific requirements (above) and those defined in the Schedule and Resource Plan.
3. Completion of all work within the schedule and cost as defined in the Schedule and Resource Plan.

Milestones

1. Monthly reports to OSEMA management on progress.
2. Functional demonstration of each application operating under SYBASE from remote (LaRC) locations

Phase 1	Complete 1/6/97
Phase 2	Complete 1/13/97
Phase 3	Complete 1/27/97

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES 1 / 9
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2. AMENDMENT/MODIFICATION NO. 27	3. EFFECTIVE DATE JAN 06 1997	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 3 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2 Changes - Cost Reimbursement (AUG 1987) Ait II (APR 1984)
	D. OTHER (Specify type of modification and authority)

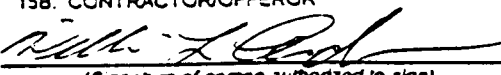
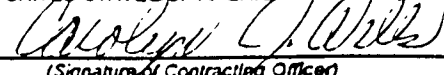
E. IMPORTANT: Contractor is not, X is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to revise Section G, G.3, Award Fee for Service Contracts, paragraph (c); remove a duplicate NASA FAR Supplement Clause from Section I; revise Exhibit A, Statement of Work, Exhibit B, Contract Documentation Requirements and Exhibit C-2, Maintenance-Controlled Hardware. Accordingly, the following changes are hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) WILLIAM L. ANDERSON, EXEC. VICE PRESIDENT	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS CONTRACTING OFFICER
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15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 12/19/96	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 1-6-97
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A. Section G, G.3, Award Fee for Service Contracts (NASA 18-52.216-76) (SEP 1993), paragraph (c) is hereby deleted in its entirety and replaced with the following:

"(c) The Government will advise the Contractor in writing of the evaluation results. The Contracting Officer will issue a unilateral modification to the contract that will recognize the award fee earned. The Contractor is not required to submit a separate voucher for earned award fee. The Payment Office will make payment based on the unilateral modification."

B. Award Fee for Service Contracts (NASA 18-52.216-76) (SEP 1993), is hereby deleted from Section I.

C. Exhibit A, Statement of Work, is revised as follows:

1. Section 2.4, the performance metrics are deleted in their entirety and replaced with the following:

*** Performance Metric:**

All nonmainframe systems available for BAMIS operations 99 percent of prime shift hours, including scheduled extensions to prime shift."

2. Section 2.5, Security, Risk, and Contingency Management, the last paragraph and the performance metric are deleted in their entirety and replaced with the following:

"The Contractor shall refine the Disaster Recovery Plan (DRP) to reflect changes in the computing environment and consolidation of equipment.

Performance Metric:

Annual update/refinement of the DRP or more frequently as needed."

3. Section 5.3, Performance Measurement and Tuning, the metric is hereby deleted.

4. Section 7.4, Product Demonstration and Assistance, the first metric is hereby deleted.

D. Exhibit B, Contract Documentation Requirements, Section I, Paragraph A. 4. is modified and Paragraph A.6 is added.

*4. Minimum reporting categories:

Direct Labor On-site
Direct Labor Off-site
Labor Overhead
Facilities
Subtotal
Software Maintenance
Hardware Maintenance
Major Subcontract

Disaster Recovery
Microfiche
Training
Other ODCs
Subtotal
M&H
G&A
Total Cost
Award Fee
JDD Cost
JDD Fee
Phase In costs
Total Cost Plus Award Fee"

"6. A monthly breakdown of costs for each JDD shall be reported using the minimum reporting categories shown in 4 above and shall be included with the 533M report."

E. Exhibit C-2, Maintenance-Controlled Hardware is hereby revised as follows:

Exhibit C-2

Maintenance Controlled Hardware*

<u>Equipment</u>	<u>Manufacturer</u>	<u>Model</u>	<u>ECN</u>
Printër	IBM	3268-02C	0260225
Folder Gluer	Standard Register	404	1083856
McData Controller	McData	4174-44R	1083965
Printer	DEC	LA324-A3	1084792
Printer	DEC	LA324-A3	1084793
Workstation	DEC	RISC 5000/200	1084808
DiskDrive	DEC	SZI2B-BA	1084809
Monitor	DEC	VT320-C2	1084810
Terminal	IBM	3472	1085082
Terminal	IBM	3472	1085083
Printer	IBM	4224-E2	1085084
Printer	IBM	4224-E2	1085085
Printer	IBM	4224-E2	1085086
Terminal	IBM	3472	1085311
Terminal	JBM	3472	1085313
Terminal	IBM	3472	1085314
Terminal	IBM	3472	1085317
Printer	IBM	4224	1085565
Printer	IBM	4224	1085566
Printer	IBM	4224	1085567
Disk Drive	DEC	RISC 5000/200	1085824
Printer	DEC	LA324-A3	1085834
DiskDrive	DEC	SZI2B-BA	1085930
TapeDrive	DEC	TKSO	1086288
CD ROM	DEC	RRD40-FA	1086289
Dual Drive Expansion	DEC	RISC 5000/200	1086340
Dual Drive Expansion	DEC	RISC 5000/200	1086356
Dual Drive Expansion	DEC	RISC 5000/200	1086386
Laser Printer	Xerox	4050	1086437
Monitor	DEC	RISC 5000/200	1087215
Monitor	DEC	RISC 5000/200	1087244
Disk Drive	DEC	RISC 5000/200	1087324
Disk Drive	DEC	RISC 5000/200	1087331
Disk Drive	DEC	RISC 5000/200	1087353
Monitor	DEC	RISC 5000/200	1087354
Disk Drive	DEC	RISC 5000/200	1087444
Monitor	DEC	RISC 5000/200	1087445

*Equipment is located in various offices around the Center.

CPU Workstation	DEC	RISC 5000/200	1087473
Dual Drive Expansion	DEC	RISC 5000/200	1087685
Dual Drive Expansion	DEC	RISC 5000/200	1087686
CPU Workstation	DEC	RISC 5000/200	1087775
CPU Workstation	DEC	RISC 5000/200	1087777
CPU Workstation	DEC	RISC 5000/200	1087814
Disk Drive	DEC	RISC 5000/200	1087915
Monitor	DEC	RISC 5000/200	1087916
CPU Workstation	DEC	RISC 5000/200	1088013
Disk Drive	DEC	RISC5000/200	1088215
Monitor	DEC	RISC 5000/200	1088275
CPU Workstation	DEC	RISC 5000/200	1088276
Dual Drive Expansion	DEC	RISC 5000/200	1088280
Disk Drive	DEC	RISC 5000/200	1088281
CPU Workstation	DEC	RISC 5000/200	1088306
Monitor	DEC	RISC 5000/200	1088307
Disk Drive	DEC	RISC 5000/200	1088622
Dual Drive Expansion	DEC	RISC 5000/200	1088623
Dual Drive Expansion	DEC	RISC 5000/200	1089238
CPU Workstation	DEC	RISC 5000/200	1089730
Monitor	DEC	RISC 5000/200	1089731
Printer	IBM	4224-E2	1090435
Printer	IBM	4224-E2	1090436
McData Linkmaster	McData	7100-60R	1092848
McData Linkmaster	McData	7100-60R	1158530
Terminal	IBM	3192-G	1158708
Terminal	IBM	3192-G	1158709
Terminal	IBM	3192-G	1158710
Terminal	IBM	3192-G	1158711
Terminal	IBM	3192-G	1158712
Terminal	IBM	3192-G	1158713
Terminal	IBM	3192-G	1158714
Terminal	IBM	3192-G	1158715
Terminal	IBM	3192-G	1158716
Terminal	IBM	3192-G	1158717
Terminal	IBM	3192-G	1158708
McData Controller	McData	6100E	1258758
Terminal	IBM	3180-110	0136567
Terminal	IBM	3180-110	0137563
Terminal	IBM	3180-110	0137568
Terminal	IBM	3180-110	0137573
Terminal	IBM	3180-110	0137585
Control Unit	IBM	3174-S1R	0138363
Printer	IBM	3268-02C	0138641

Printer	IBM	3268-02C	0139764
Terminal	IBM	3290-230	0140244
Terminal	IBM	3920-230	0140245
Control Unit	IBM	3174-SIR	0140725
Printer	IBM	3287-002	0259132
Printer	IBM	3287-002	0259134
Printer	IBM	3287-002	0259135
Multiplexer	IBM	3299-2	0259739
Multiplexer	IBM	3299-2	0259740
Multiplexer	IBM	3299-1	0259741
Terminal	IBM	3180-110	0259909
Terminal	IBM	3180-110	0259912
Terminal	IBM	3180-110	0259913
Terminal	IBM	3180-110	0259914
Terminal	IBM	3180-110	0259915
Terminal	IBM	3180-110	0259917
Terminal	IBM	3180-110	0259922
Terminal	IBM	3180-110	0259923
Printer	IBM	3287-002	0260094
Printer	IBM	3287-002	0260095
Terminal	IBM	3180-110	0281243
Terminal	IBM	3180-110	0281245
Terminal	IBM	3180-110	0281247
Terminal	IBM	3180-110	0281353
Terminal	IBM	3180-110	0281354
Terminal	IBM	3180-110	0281355
Printer	IBM	3268-02C	0281791
Printer	IBM	3268-02C	0281793
Printer	IBM	3287-002	0281906
Printer	IBM	3287-002	0281967
Printer	IBM	3268-02C	0281968
Terminal	IBM	3180-110	0282343
Terminal	IBM	3180-110	0282349
Printer	IBM	3268-02C	0282353
Printer	IBM	3287-002	0282431
Terminal	IBM	3180-110	0283686
Printer	IBM	3287-002	0283689
Printer	IBM	3287-002	0283690
Terminal	IBM	3180-110	0283700
Printer	IBM	3268-02C	0283702
Multiplexer	IBM	3299-1	0403519
Multiplexer	IBM	3299-1	0403531
Multiplexer	IBM	3299-1	0403532
Multiplexer	IBM	3299-1	0403533
Printer	IBM	3287-002	0403638
Printer	IBM	3287-002	0403740

Multiplexer	IBM	3299-1	0404586
Multiplexer	IBM	3229-I	0404587
Multiplexer	IBM	3229-1	0404589
Multiplexer	IBM	3299-1	0404590
Tape Drive	Storage Technology Corp.	3650E	0428900
Control Unit	IBM	3274-6C	0060290
Printer	IBM	3268-02C	0060291
Printer	IBM	3268-02C	0060292
Printer	IBM	3287-002	0060294
Terminal	IBM	3192-DD0	0062074
Terminal	IBM	3192-DD0	0062075
Terminal	IBM	3192-DD0	0062076
Terminal	IBM	3192-DD0	0062077
Terminal	IBM	3192-DD0	0062078
Terminal	IBM	3192-DD0	0062080
Control Unit	IBM	3174-11R	0062346
Control Unit	IBM	3174-11R	0062348
Printer	IBM	4224-C2	0062349
Multiplexer	IBM	3299-2	0848118
Control Unit	IBM	3174-11R	0848279
Control Unit	IBM	3174-11R	0848280
Control Unit	IBM	3174-91R	0848283
Control Unit	IBM	3174-61R	0848284
Control Unit	IBM	3174-61R	0848285
Control Unit	IBM	3174-61R	0848286
Control Unit	IBM	3174-61R	0848287
Control Unit	IBM	3174-61R	0848288
Control Unit	IBM	3174-61R	0848289
Control Unit	IBM	3174-91R	0848290
Control Unit	IBM	3174-61R	0848291
Control Unit	IBM	3174-11R	0849622
Terminal	IBM	3194-HEO	G075070
Terminal	IBM	3194-HEO	G075072
Terminal	IBM	3194-HEO	G075074
Terminal	IBM	3194-HEO	G075075
Terminal	IBM	3194-HEO	G075078
Terminal	IBM	3192-DDO	G075081
Terminal	IBM	3192-DDO	G075084
Terminal	IBM	3192-DDO	G075085
Terminal	IBM	3192-DDO	G075088
Terminal	IBM	3192-DDO	G075089
Terminal	IBM	3192-DDO	G075090
Terminal	IBM	3192-DDO	G075093
Terminal	IBM	3192-DDO	G075095
Terminal	IBM	3192-DDO	G075097
Terminal	IBM	3192-DDO	G075099

Terminal	IBM	3192-DDO	G075101
Terminal	IBM	3192-DDO	G075102
Printer	IBM	4244-2C2	G075208
Printer	IBM	4224-2C2	G075209
Printer	IBM	3268-02C	G075797
Printer	IBM	3268-02C	G075798
LinePrinter	IBM	4248	G075807
Terminal	IBM	3192-DDO	G075982
Terminal	IBM	3192-DDO	G075986
Link Master Controller	McData	6100E	G079680
Link Master	McData	7100	G079743
CPU	Network GE	386/20	G078479
Workstation	DEC	RISC 5000/200	G079566
Disk Drive	Applied Digital Systems	5ZSX-FA-ADSFAIO	G079567
Multiplexer	IBM	3299-1	None
Multiplexer	IBM	3299-1	None
Multiplexer	IBM	3299-I	None
Printer	IBM	3268-C	None
Printer	IBM	3268-2C	None
ControlUnit	IBM	3174-91R	0848281
Tape Drive	Storage Technology Corp.	3670C	0428905
Tape Drive	Storage Technology Corp.	3670C	0428906
Tape Drive	Storage Technology Corp.	3670C	0428907
Tape Controller	Storage Technology Corp.	3800-4	0428908
Tape Cleaner	C. Link	2800	0428926
Terminal	IBM	3180-110	0471906
Multiplexer	IBM	3299-1	0533164
Multiplexer	IBM	3299-1	0533165
Multiplexer	IBM	3299-I	0533166
Multiplexer	IBM	3299-I	0533167
Terminal	IBM	3180-110	0533225
Terminal	IBM	3180-110	0533226
Terminal	IBM	3180-110	0533281
Terminal	IBM	3180-110	0533285
Terminal	IBM	3180-110	0533288
Terminal	IBM	3180-110	0533584
Printer	IBM	3268-02C	0548442
Printer	IBM	3287-002	0548443
Terminal	IBM	3180-110	0548492
Terminal	IBM	3180-110	0548501
Terminal	IBM	3180-110	0548502
Terminal	IBM	3180-110	0548503
Terminal	IBM	3180-110	0548504
Terminal	IBM	3180-110	0548509
Terminal	IBM	3180-110	0549085
Printer	IBM	3287-002	0550067

ControlUnit	IBM	3174-SIR	0055448
Terminal	IBM	3180-110	0055519
Terminal	IBM	3192-DDO	0057361
Terminal	IBM	3192-DDO	0057365
Terminal	IBM	3192-DDO	0057371
Printer	IBM	3287-002	0057456
Terminal	IBM	3192-DDO	0059475
Protocol/Converter	IBM	3708	0058924
Terminal	IBM	3194-HEO	0059668
Terminal	IBM	3194-HEO	0059669
Terminal	IBM	3194-HEO	0059670
Control Unit	IBM	327441A	0060278
Printer	IBM	3287-2	0060282
Printer	IBM	4224-D20	0140726
Tape Cartridge Controller	IBM	3480-A22	0144743
Terminal	IBM	3192-DDO	0142204
Terminal	IBM	3192-DDO	0142205
Terminal	IBM	3192-DDO	0142206
Terminal	IBM	3192-DDO	0142207
Terminal	IBM	3192-DDO	0142208
Terminal	IBM	3192-DDO	0142212
Terminal	IBM	3192-DDO	0142215
Terminal	IBM	3192-DDO	0142217
Terminal	IBM	3192-DDO	0142219
Terminal	IBM	3192-DDO	0142220
Terminal	IBM	3192-DDO	0142221
Terminal	IBM	3192-DDO	0142224
Terminal	IBM	3192-DDO	0142225
Terminal	IBM	3192-DDO	0142228
Terminal	IBM	3192-DDO	0142231
Terminal	IBM	3192-DDO	0142232
Terminal	IBM	3192-DDO	0142234
Terminal	IBM	3192-DDO	0142236
Terminal	IBM	3192-DDO	0142237
Terminal	IBM	3192-DDO	0142238
Terminal	IBM	3192-DDO	0142241
Terminal	IBM	3192-DDO	0142242
Terminal	IBM	3192-DDO	0142243
Terminal	IBM	3192-DDO	0142244
Terminal	IBM	3192-DDO	0142245
Terminal	IBM	3192-DDO	0142246
Control Unit	IBM	3174-OSR	0142275
ControlUnit	IBM	3174-DIR	0142276
Comm.Controller	IBM	3725-001	0143215
3725 Terminal	IBM	3727-700	0143216
LaserPrinter	Xerox	4050	0144254

Terminal
Terminal
Printer
Printer

IBM
IBM
IBM
IBM

3180-110
3180-110
3287-002
3287-002

0258708
0258709
0259130
0259131

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2. AMENDMENT/MODIFICATION NO. 28	3. EFFECTIVE DATE APR 18 1997	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.



(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, **X** is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause for additional work added as a result of Modification/Change Order No. 13 dated June 28, 1996. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) CHARLES K. NARANG PRESIDENT	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) SANDRA S. RAY CONTRACTING OFFICER
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 4/15/97
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
	16C. DATE SIGNED 4/18/97

A. Section B, B.2, cost is hereby increased by \$1,009,373 from \$7,735,374 to \$8,744,747 and the award fee available is increased by \$42,922 from \$437,396 to \$480,318 and the award fee available for the second period is increased by \$42,922 from \$102,050 to 144,972 and is shown below.

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$8,744,747 exclusive of the award fee of \$480,318 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$9,225,065.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	144,972

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 24	\$4,217,574	\$233,296	\$4,450,870	\$4,359,396
Mod. 25	3,517,800	204,100	3,721,900	2,120,000
Mod. 26	0	0	0	590,233
Mod. 27	0	0	0	0
Mod. 28	1,009,373	42,922	1,052,295	0
Total	\$8,744,747	\$480,318	\$9,225,065	\$7,069,629

Funding includes \$6,828,042 for cost and \$241,587 for fee.

CORRECTIONS TO ACCOUNTING AND APPROPRIATION DATA

<u>PR</u>	<u>JO</u>	<u>RTR</u>	<u>AMOUNT</u>	<u>STATUS</u>	<u>JDD</u>	<u>MOD. NO.</u>
GMG.1410	A5160	28230020400	\$2,090,642	Complete		25
GMG.1410	A5160	28230020400	29,358	Complete	DA001.00	25

REVISED DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

<u>JDD</u>	<u>Estimated</u>	<u>Award</u>			<u>Modification</u>	<u>Completion</u>
<u>Number</u>	<u>Cost</u>	<u>Fee</u>	<u>CPAF</u>	<u>Funding</u>	<u>Definitized</u>	<u>Date</u>
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	40,096	41,356	Mod. 15	5/24/96
AF003.00	14,907	666	15,573	13,609	Mod. 15	4/15/96
HA001.00	14,022	838	14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	88,903	88,762	Mod. 17	8/31/96
GI001.00	23,810	1,091	24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	175,249	181,812	Mod. 28	12/15/96
AF005.00	56,583	2,435	59,018	59,018	Mod. 28	10/07/96
AF007.00	211,467	11,172	222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	423,982	500,000	Mod. 28	09/08/96
HB002.00	126,808	5,241	132,049	200,000	Mod. 28	10/15/96
Total	\$1,705,047	\$74,518	\$1,779,565	\$1,929,252		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. 29	3. EFFECTIVE DATE FEB 05 1997	4. REQUISITION/PURCHASE REQ. NO. HA.2040	5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE			

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
R22456; \$100,000 (Complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The Contractor is hereby authorized and directed, by contract change order, to implement changes to the contract Statement of Work as noted below. Incremental funding is allotted to the contract pursuant to the Contract Funding clause. Accordingly, the following changes are hereby made:

(CONTINUED)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) ROSEMARY C. FROEHLICH	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Rosemary C Froehlich</i> (Signature of Contracting Officer)	16C. DATE SIGNED 2-5-97
(Signature of person authorized to sign)			

FILE COPY

A. Exhibit A, Statement of Work, is hereby changed as shown below:

1. Section 8, Applications Development and Enhancements, is revised to incorporate the following Job Description Documents (JDD) by reference:

HA003 Credit Card Reconciliation System Phase II

B. A performance-based JDD including performance metrics is added to Exhibit G and is attached hereto.

C. The Government will issue a subsequent modification that definitizes the changes contained herein. A full and complete equitable adjustment will be negotiated and the resulting increases to the estimated cost and available award fee will be effected.

D. Funding in the amount of \$100,000 for cost and fee has been added to Section B, B-3, Contract Funding, and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$6,922,242. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through July 22, 1997.

(b) An additional amount of \$247,387 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated</u> <u>Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 24	\$4,217,574	\$233,296	\$4,450,870	\$4,359,396
Mod. 25	3,517,800	204,100	3,721,900	2,120,000
Mod. 26	0	0	0	590,233
Mod. 27	0	0	0	0
Mod. 28**	TBD	TBD	TBD	TBD
Mod. 29	0	0	0	100,000
Total	\$7,735,374	\$437,396	\$8,172,770	\$7,169,629*

*Funding includes \$6,922,242 for cost and \$247,387 for fee.

**Mod. 28 is in progress.

Exhibit G

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Credit Card Reconciliation System Phase II	1-29-97

**Job Description Document
for
BAMIS Contract NAS1-20650**

JDD # HA003.00

Title: Credit Card Reconciliation System Phase II

LaRC Point of Contact: Jimmy H. Wilson, Head, Financial Systems and Quality Management Office,
Financial Management Division, Mail Stop 136 , Phone 4-2077

Scope: This JDD provides for the development and implementation of processes to: electronically receive credit card detail statement data from Rocky Mountain Bank; allowing credit cardholders to reconcile their statements on a LaRC WEB page interface to a NETSCAPE browser accessing LaRC hardware; process validated and expanded transactions from the DBMS into FMS via the existing batch transaction system. The contractor will provide technical support, consulting, training, and the coordination of the development and implementation of this on-line effort. User Group will assist in reviewing the on-line bank card system as it is being developed. Acceptance testing will be conducted by the bank card team.

General Requirements: Modify and implement the automated Bank Card Reconciliation System as stated in the approved December 11, 1996 Functional Requirements Document.

Specific Requirements:

Training:

The Contractor will provide a Training Plan and conduct the training. The training plan will identify how training will take place for each type of use. The plan will include but not be limited to the following:

- Where and when training classes will be held.
- Type of equipment training will be held on.
- Duration of class.
- Method and details on registration for class.
- All training handouts
- User guides

Weekly Meetings:

The contractor will schedule weekly meetings with the Bank Card Team. Meetings will include but not be limited to:

- Effort expended on Credit Card System during the past week
- Problems encountered and the impacts of those problems
- Decisions made by contractor that were not detailed in the JDD
- Demonstration of conformance of the system to Functional Requirements (on-going review)
- All computer screens as they are being developed (on-going review)

Metrics:

- Delivery of the revised Training Plan document which identifies the training; provides the proposed schedule; and is presented in the AIM standard format.
- Delivery of the revised User Guides which document and explain the purpose and provide step-by-step instructions using among other things screen graphics.

- Training which provides an overview presentation, presents the functionality of the on-line-system using the User Guide, allowing time for questions and answers and the capability for the users to easily operate the system and reconcile their bills.
- Testing: the performance of the system during acceptance testing will be demonstrated to be in conformance with the approved Functional Requirements
- Weekly meetings are maintained and relevant information is passed on by the contractor.
- Testing response time on a dedicated machine should be 2 seconds to ensure that the Functional Requirement is met.
- Completion of all work within the original schedule.
- Completion of all work within the cost schedule.

Milestones (Schedule):

Develop First Prototype (Consists of EPRS, Mainframe, and Sapphire)	Feb. 10, 1996
Draft Training Plan	April 28, 1996
Final Training Plan	May 12, 1996
Draft User Guide	April 28, 1996
Final User Guide	May 12, 1996
System available for acceptance testing	May 5, 1996
Credit Card Reconciliation System installed and available for production use.	May 30, 1996
Conduct User Training	May 19, 1996

2. AMENDMENT/MODIFICATION NO. 30	3. EFFECTIVE DATE FEB 14 1997	4. REQUISITION/PURCHASE REQ. NO. AF.5432	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
R21143; 323-97-01-01; \$94664 (Complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The contractor is hereby authorized and directed, by contract change order, to implement changes to the contract Statement of Work as noted below. Incremental funding is allotted to the contract pursuant to the Contract Funding clause. Accordingly, the following changes are hereby made:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) ROSEMARY C. FROEHLICH
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 2-14-97
(Signature of person authorized to sign)	BY <i>Rosemary C Froehlich</i> (Signature of Contracting Officer)

FILE COPY

A. Exhibit A, Statement of Work, is hereby changed as shown below:

1. Section 8, Applications Development and Enhancements, is revised to incorporate the following Job Description Documents (JDD) by reference:

AF010	Facility Database
AF011	Badge and Pass System Application Expansion

B. A performance-based JDD including performance metrics is added to Exhibit G and is attached hereto.

C. The Government will issue a subsequent modification that definitizes the changes contained herein. A full and complete equitable adjustment will be negotiated and the resulting increases to the estimated cost and available award fee will be effected.

D. Funding in the amount of \$94,664 for cost and fee has been added to Section B, B-3, Contract Funding, and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$7,011,415. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through July 22, 1997.

(b) An additional amount of \$252,878 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 24	\$4,217,574	\$233,296	\$4,450,870.0	\$4,359,396
			0	
Mod. 25	3,517,800	204,100	3,721,900	2,120,000
Mod. 26	0	0	0	590,233
Mod. 27	0	0	0	0
Mod. 28*	0	0	0	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Total	\$7,735,374	\$437,396	\$8,172,770	\$7,264,293

Funding includes \$7,011,415 for cost and \$252,878 for fee.

*Mod. No. 28 is in progress.

Exhibit G

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Credit Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD AF010

Title: Facility Database

LaRC Point of Contract: Charles E. Cockrell, Chief Engineer, OSEMA
Mail Stop 421
Phone 757-864-3361

Scope

Formalize requirements, document a development plan for the design, development and implementation of a Facility Database, and, upon acceptance by OSEMA management, complete all work.

General Requirements

The database will be developed in SYBASE and run on OSEMA's server. The application shall be accessible from all OSEMA desktop computers (Macintosh, PCs running MS Windows 95, and others), and shall utilize the standardized 4D OSEMA user interface which includes four levels of access control. Response time will be a critical performance measure and must guide the database development. Access will be available to appropriate OSEMA users through the OSEMA Management Information System. Protection of the data, both during transmission and while in the database file, is vital. Appropriate interfaces with other OSEMA applications must be included. The Facility Database will be included as an integral part of the OSEMA Management Information System which must assure periodic backups of the data.

Specific Requirements

The Facilities Database is expected to capture any activity within a facility in which OSEMA personnel participates. This will primarily involve personnel from the Office of Safety and Facility Assurance (OSPA) and the Office of Environmental Engineering (OEE). However, there will be a lower level of involvement from the Office of Security and Public Safety (OSPS), and may include some programs from the Office of Mission Assurance (OMA). The following types of information will be included in addition to other information identified in Phase 1:

- Facility Safety Heads
- Facility Coordinators
- Facility Environmental Coordinators
- Any Permits Issued
- Any Violations Noted
- Audits Performed and Results
 - Safety
 - Environmental
 - Security
- Any Programs or Projects Conducted in Facility
 - Pollution Prevention
 - Recycling
 - Operational Demonstrations
 - Modifications covered under Change Notifications Sheets
- Hazardous waste information
- Environmental Spills

The development should be divided into 3 distinct phases:

1. Formalization of Facility Database requirements. This phase will conclude with the presentation of a documented development plan, and acceptance by OSEMA Management.
2. Rapid prototyping of screen formats, database contents, and reports
3. Full integration of Facility Database into the OSEMA Management Information System which includes training, documentation, and final acceptance by OSEMA management.

Completion of this project is required within 20 weeks. Phase 1 should be complete within 5 weeks, followed by Phase 2 which should be complete by week 17, and finally Phase 3 should be complete within the 20 weeks allotted for the program.

The proposal for this task from NCI shall outline specific milestones in each phase (see JDD AF-009 for an acceptable example of milestone breakdown by phase), propose specific metrics by which performance can be measured and tracked during development in addition to the overall metrics shown below, and provide cost estimates for each phase.

Metrics

1. Full LaRC network access and functionality of all applications from remote desktop equipment.
2. Conformance to the requirements listed above, as well as those defined in the development plan.
3. Completion of all work within the schedule and cost.
4. *Specific metrics to be proposed by the contractor as a part of the proposal by which performance can be measured and tracked during development of each phase.*

Milestones

Milestones for phases 2 and 3 will be developed by OSEMA upon the receipt on the Phase 1 documentation. Suggested milestones should be provided by the contractor

Phase 1 Milestones

1. Documented Facility Database plan
2. Monthly status reports indicating technical progress
3. Monthly plots showing technical progress against cost to date
4. Monthly reports indicating technical progress with respect to schedule

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD AF011

Title: Badge and Pass System application expansion

LaRC Point of Contract: Charles E. Cockrell, Chief Engineer, OSEMA
Mail Stop 421
Phone 757-864-3361

Scope

Expand the scope of the Badge and Pass System Designed for use in LaRC's Badge & Pass Office that was originally done under JDD AF-009. The expansion will be as noted below.

General Requirements

The data will be maintained in SYBASE running on OSEMA's server. The applications shall be accessible from appropriate computers (Macintosh, PCs running MS Windows 95, and others) utilized by OSEMA personnel, and shall provide the standardized OSEMA user interface including four levels of access control. Response time will be a critical performance measure and must guide the database development. Access will be available to appropriate OSEMA users across LaRC's network. Protection of the data during transmission and in the database is vital and appropriate backup systems must be included.

The application will provide for conversion from analog to digital cameras in the Badge & Pass Office.

Upon issuance of this JDD all work on JDD 009 should be considered complete. Any remaining funding on JDD-009 should be transferred to this JDD. All information provided under JDD 009, including answers to questions asked at the latest rapid prototyping session held between NCI/RTI and OSEMA will be considered to apply to this extension of work.

Specific Requirements

The development should be divided into 3 distinct phases:

1. Development of Core Functionality
2. Migration of the Telephone Locator System
3. Migration of the Traffic Violations System

The total estimated period of performance for this project is 8 weeks. Phase 1 should be complete within 6 weeks, followed by Phase 2 which should be complete in 7 weeks, and finally Phase 3 should be complete in 8 weeks. Activity on each of the phases will have to be conducted concurrently.

Phase 1 Core Functionality

1. Make recommendations for hardware upgrades for a new digital image capture system.
2. Develop the application programming interface (API) that will provide for image capture from new digital cameras to the 4D Windows/Sybase environment.
3. Test the API

4. Configure the Windows and printer drivers to enable the 4D application to send print jobs to the color, thermal, and pvc printers from within the 4D environment.
5. Develop or provide an interface that will allow the MIS staff or OSEMA managers the capability to modify the badge template
6. Import existing data from FoxPro into Sybase
7. Develop the 4D GUI screens
8. Provide the capability for read only remote access to the badge and pass system for the purpose of viewing employee information including the employees badge photograph.
9. Install site acceptance testing (SAT) system
10. Training
11. Respond to site acceptance testing (SAT) issues

Phase 2 Migration of the Telephone Locator System

1. Develop the 4D GUI screens
2. Import data from mainframe into Sybase
3. Install site acceptance testing (SAT) system
4. Training
5. Respond to site acceptance testing (SAT) issues

Phase 3 Migration of the Traffic Violations System

1. Develop the 4D GUI screens
2. Import data from mainframe into Sybase
3. Install site acceptance testing (SAT) system
4. Training
5. Respond to site acceptance testing (SAT) issues

Metrics

1. Full LaRC network access and functionality of all applications from remote desktop equipment.
2. Conformance to the specific requirements (above) and those defined in the Schedule and Resource Plan.
3. Completion of all work within the schedule and cost as defined in the Schedule and Resource Plan.

Milestones

1. Monthly reports to OSEMA management on progress.
2. Functional demonstration of each application operating under SYBASE from remote (LaRC) locations

Phase 1	6 weeks from start
Phase 2	7 weeks from start
Phase 3	8 weeks from start

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 7
2. AMENDMENT/MODIFICATION NO. 31	3. EFFECTIVE DATE FEB 2 1997	4. REQUISITION/PURCHASE REQ. NO. AF.5442	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
R21143; 323-97-01-01; \$80,000 (Complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The contractor is hereby authorized and directed, by contract change order, to implement changes to the contract Statement of Work as noted below. Incremental funding is allotted to the contract pursuant to the Contract Funding clause. Accordingly, the following changes are hereby made:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Joan Y. Crepps	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Joan Y. Crepps</i> (Signature of Contracting Officer)	16C. DATE SIGNED 2/28/97
(Signature of person authorized to sign)			

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

COPY

A. Exhibit A, Statement of Work, is hereby changed as shown below:

1. Section 8, Applications Development and Enhancements, is revised to incorporate the following Job Description Documents (JDD) by reference:

AF012 Personnel Database Module

B. A performance-based JDD including performance metrics is added to Exhibit G and is attached hereto.

C. The Government will issue a subsequent modification that definitizes the changes contained herein. A full and complete equitable adjustment will be negotiated and the resulting increases to the estimated cost and available award fee will be effected.

D. Funding in the amount of \$80,000 for cost and fee has been added to Section B, B-3, Contract Funding, and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$7,086,775. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through July 22, 1997.

(b) An additional amount of \$257,518 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 24	\$4,217,574	\$233,296	\$4,450,870.0	\$4,359,396
			0	
Mod. 25	3,517,800	204,100	3,721,900	2,120,000
Mod. 26	0	0	0	590,233
Mod. 27	0	0	0	0
Mod. 28*	0	0	0	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31				80,000
Total	\$7,735,374	\$437,396	\$8,172,770	\$7,344,293

Funding includes \$7,086,775 for cost and \$257,518 for fee.

*Mod. No. 28 is in progress.

**Job Description Document
Job Description Document
for
BAMIS Contract NAS1-20650**

JDD AF012

Title:Development of a Personnel Database Module

LaRC Point of Contract: Charles E. Cockrell, Chief Engineer,
OSEMA Mail Stop 421
Phone 757-864-3361

Scope

Provide necessary programming support to develop a Personnel Database module with a 4D front-end accessing a Sybase database running on a UNIX based workstation.

General Requirements

The application will use 4th Dimension as a front end interface with the database maintained in SYBASE running on OSEMA's SUN UNIX Server. The Personnel Database shall be accessible from the appropriate computers (Macintosh, PCs running MS Windows 95) used by OSEMA personnel, and shall provide the standardized OSEMA user interface including four levels of access control. Response time will be a critical performance measure and must guide the database development. Access to Personnel Database module shall be available to all OSEMA users across LaRC's network links. Protection of the data is vital and requires appropriate backup capability to be included. All OSEMA personnel, as well as selected others, shall be capable of read only access. However, the capability to enter and modify data will be restricted.

Specific Requirements

1. Develop the Personnel Database under Sybase on the SUN workstation according to requirements identified in the Personnel Database Requirements Document (see attachment 1). The Personnel Database Requirements Document is a compilation of requirements identified in meetings with the OSEMA users conducted under JDD AF-OO5
2. Demonstrate error-free functionality of the Personnel Database module upon delivery.
3. Provide training for users of the Personnel Database module.

Job Description Document

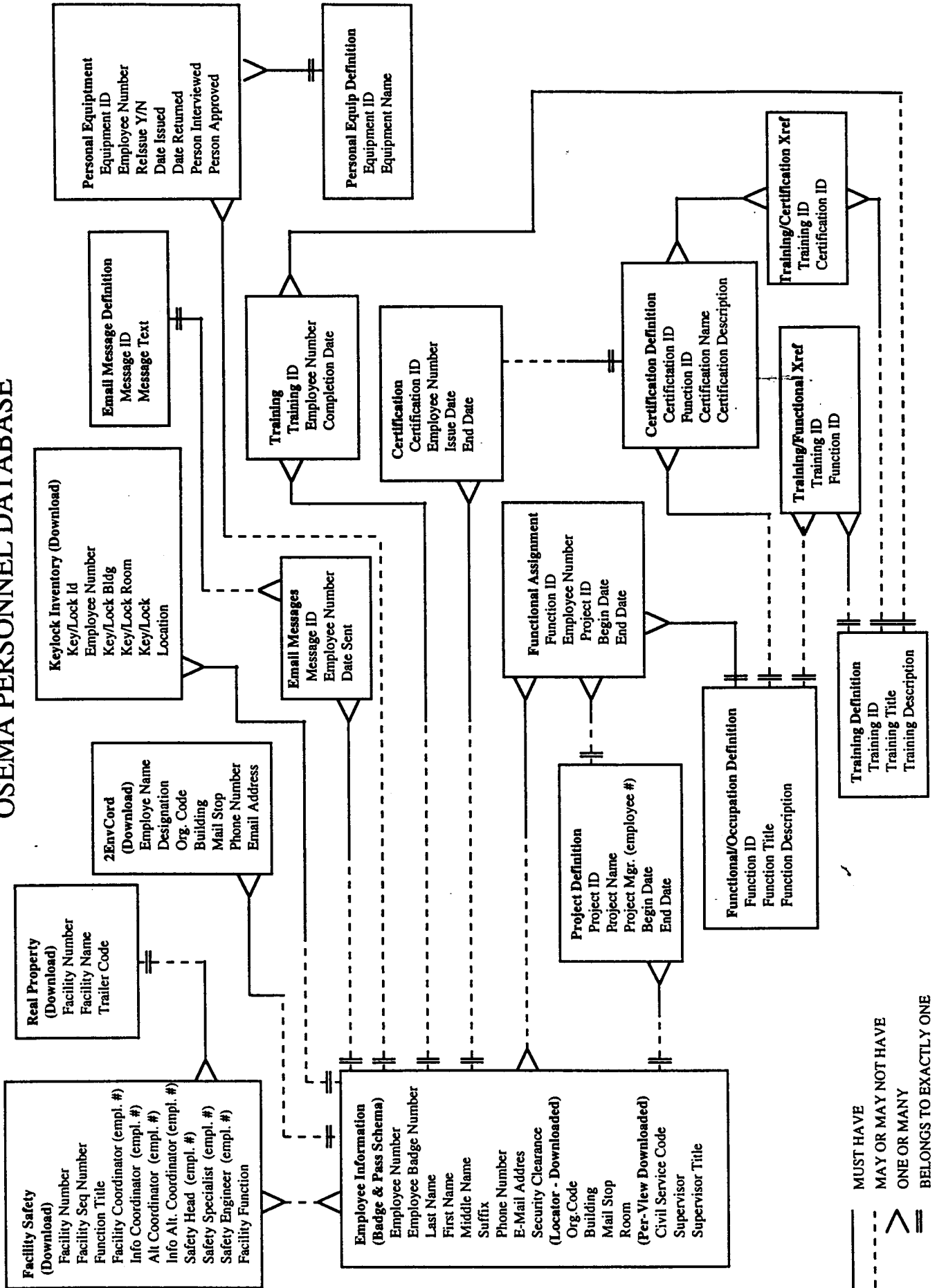
Metrics

1. Full LaRC network access and functionality of the Personnel Database module from remote desktop (PC with Windows 95 and Macintosh) computers.
2. Conformance to the requirements listed in the Personnel Database Requirements Document.
3. Completion of all work within the agreed upon schedule and cost
4. The system will be delivered error-free and successfully demonstrated.
5. Error free interface with all other OSEMA Applications.

Milestones

- | | |
|--|---|
| 1. Provide Monthly Status Reports | Monthly |
| 2. Completion of application programming | After 24 weeks of development |
| 3. Creation of test data for training | 5 weeks prior to turnover for a period of 1 week |
| 4. Training | 4 weeks prior to turnover for a period of 1 week |
| 5. System Acceptance Testing | 3 weeks prior to turnover for a period of 2 weeks |
| 6. Creation of production database | 1 week prior to turnover for a period of 1 week |
| 7. System available for production | After creation of production database |

OSEMA PERSONNEL DATABASE



- - - - - MUST HAVE
 - - - - - MAY OR MAY NOT HAVE
 > ONE OR MANY
 = BELONGS TO EXACTLY ONE

Exhibit G

Job Description Documents (JDD)

Exhibit G

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Credit Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. 32	3. EFFECTIVE DATE MAR 14 1997	4. REQUISITION/PURCHASE REQ. NO. ha 2041	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
R22456 / R22457 \$75,000 (Complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The contractor is hereby authorized and directed, by contract change order, to implement changes to the contract Statement of Work as noted below. Incremental funding is allotted to the contract pursuant to the Contract Funding clause. Accordingly, the following changes are hereby made:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Joan Y. Crepps	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Joan Y. Crepps</i> (Signature of Contracting Officer)	16C. DATE SIGNED 3/14/97
(Signature of person authorized to sign)			

FILE COPY

A. Exhibit A, Statement of Work, is hereby changed as shown below:

1. Section 8, Applications Development and Enhancements, is revised to incorporate the following Job Description Documents (JDD) by reference:

HA 004 Current State Processing Analysis System

B. A performance-based JDD including performance metrics is added to Exhibit G and is attached hereto.

C. The Government will issue a subsequent modification that definitizes the changes contained herein. A full and complete equitable adjustment will be negotiated and the resulting increases to the estimated cost and available award fee will be effected.

D. Funding in the amount of \$75,000 for cost and fee has been added to Section B, B-3, Contract Funding, and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$7,157,425. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through July 22, 1997.

(b) An additional amount of \$261,868 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 24	\$4,217,574	\$233,296	\$4,450,870.0	\$4,359,396
			0	
Mod. 25	3,517,800	204,100	3,721,900	2,120,000
Mod. 26	0	0	0	590,233
Mod. 27	0	0	0	0
Mod. 28*	0	0	0	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31				80,000
Mod. 32	0	0	0	75,000
Total	\$ 0	\$ 0	\$ 0	\$7,419,293

Funding includes \$7,157,425 for cost/\$261,868 for fee. *Mod. No. 28 is in progress.

Exhibit G

Job Description Documents (JDD)

Exhibit G

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Credit Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97

**Job Description Document
for
BAMIS Contract NAS1-20650**

JDD # HA-004

Title: Current State Processing Analysis System

LaRC Point Of Contact: Chris Tremper, IFMP Transition / Implementation Manager
Mail Stop 179
Phone 864-8040

Scope: This JDD provides for the analysis, requirements definition, development, and implementation of the LaRC Current State Process Analysis system. Requirements include the ability to capture required data, store, in a RDBMS, and retrieve information with various queries. For Phase I utilize the Functional Requirements Document generated under Work Request HA-9711.

General Requirements:

Work is to be broken into two separate phases:

Phase 1 - Initial collection, storing, and retrieving of information with minimal reporting.

Phase 2 - Incorporate capability to capture and store IFMP work processes and capabilities, match to LaRC capabilities, and provide information regarding non-matched capabilities among the two.

Performance Requirement:

- Phase 1

- 1. Develop a web based application that will collect, store, and retrieve data contained in the LaRC Current State Process Analysis system.
- Conduct a weekly status reporting meeting on the status of this JDD to the LaRC IFMP Transition / Implementation Manager.

- Phase II

- Develop a final Functional Requirements Document with Phase II requirements.
- Complete Development of Phase II functionality.

Metrics:

- Phase I

- Develop a detailed work schedule within two weeks of receipt of JDD and approved FRD. This detailed work schedule will become the schedule metrics and milestones of this JDD effort.
- Conduct a weekly status meeting of JDD in which plans to actuals of the schedule are reviewed.
- Develop initial prototype of system with 50% functionality no later than five weeks after start of task or receipt of JDD and approved FRD whichever is earlier.
- Complete system development of Phase I version of system not later than April 30, 1997.

- Phase II

- Conduct a weekly status meeting of JDD in which plans to actuals of the schedule are reviewed.
- Develop final version of the Functional Requirements Document with Phase II requirements by April 30, 1997.
- Develop initial prototype of Phase II system with 50 % functionality by June 15, 1997.
- Complete development of Phase II system by July 30, 1997.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 33	3. EFFECTIVE DATE 3-18-97	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
CODE	FACILITY CODE	10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 18-52.216-76 Award Fee for Service Contracts (SEP 1993)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is revise the award fee available for the second award fee period to reflect the amount earned as determined by the Government. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CAROLYN A. WELLS CONTRACTING OFFICER	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Carolyn A. Wells</i> (Signature of Contracting Officer)	16C. DATE SIGNED 3-18-97
(Signature of person authorized to sign)			

Section B., B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE, Paragraph B, the award fee available for the second award fee period is \$90,000 and is shown below:

"B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$96,000
August 1, 1996 - January 31, 1997	\$90,000"

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 24	\$4,217,574	\$233,296	\$4,450,870	\$4,359,396
Mod. 25	3,517,800	204,100	3,721,900	2,120,000
Mod. 26	0	0	0	590,233
Mod. 27	0	0	0	0
Mod. 28*	0	0	0	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31				80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Total	\$ 0	\$ 0	\$ 0	\$7,419,293

Funding includes \$7,157,425 for cost and \$261,868 for fee. *Mod. No. 28 is in progress.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 34	3. EFFECTIVE DATE MAY 09 1997	4. REQUISITION/PURCHASE REQ. NO. HA 2042	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
CODE	FACILITY CODE	10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

R22456; \$101,882 (Complete) R22457; \$162,500 (Complete) TOTAL \$264,382

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt II (APR 1984)
	D. OTHER (Specify type of modification and authority)


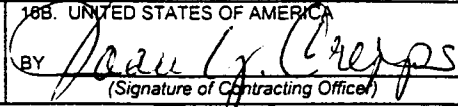
E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause for additional work added as a result of Modification No. 29 dated Feb. 5, 1997. Accordingly, the following change is hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) CHARLES K. NARANG, PRESIDENT	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) JOAN Y. CREPPS
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 5/5/97
15D. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED MAY 09 1997

FILE COPY

A. Section B, B.2, is revised to increase cost by \$344,907 from \$8,744,747 to \$9,089,654 and the award fee available is increased by \$17,616 from \$480,318 to \$497,934. In addition, the award fee available for the second period is increased by \$17,616 from \$144,972 to \$162,588 and is revised as follows:

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$9,089,654 exclusive of the award fee of \$497,934 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$9,252,242.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	162,588"

B. Funding in the amount of \$264,382 for cost and fee has been added to Section B, B-3, Contract Funding, and is shown below:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$7,405,944. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through August 22, 1997.

(b) An additional amount of \$277,731 is obligated under this contract for payment of fee."

C. A revised performance-based JDD including performance metrics for JDD HA003 is added to Exhibit G and is attached hereto.

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 24	\$4,217,574	\$233,296	4,450,870	\$4,359,396
Mod. 25	3,517,800	204,100	3,721,900	2,120,000
Mod. 26	0	0	0	590,233
Mod. 27	0	0	0	0
Mod. 28	1,009,373	42,922	1052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Total	\$9,089,654	\$497,934	\$9,587,588	\$7,683,675

Funding includes \$7,409,991 for cost \$273,684 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

<u>JDD Number</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	<u>Modification Definitized</u>	<u>Completion Date</u>
AF001.00	\$31,500	\$1,264	\$32,764\$3 2,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	40,096	41,356	Mod. 15	5/24/96
AF003.00	14,907	666	15,573	13,609	Mod. 15	4/15/96
HA001.00	14,022	838	14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	88,903	88,762	Mod. 17	8/31/96
GI001.00	23,810	1,091	24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	175,249	181,812	Mod. 28	12/15/96
AF005.00	56,583	2,435	59,018	59,018	Mod. 28	10/07/96
AF007.00	211,467	11,172	222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	423,982	500,000	Mod. 28	09/08/96
HB002.00	126,808	5,241	132,049	200,000	Mod. 28	10/15/96
HA003	344,907	17,616	362,523	364,382	Mod. 29	10/24/97
Total	\$2,049,954	\$92,134	\$2,109,324	\$2,293,634		

**Job Description Document
for
BAMIS Contract NAS1-20650**

JDD # HA003.00

Title: Bank Card Reconciliation System Phase II

LaRC Point of Contact: Jimmy H. Wilson, Head, Financial Systems and Quality Management Office,
Financial Management Division, Mail Stop 136 , Phone 4-2077

Scope: This JDD provides for the development and implementation of processes to: electronically receive bank card detail statement data from Rocky Mountain Bank; allowing bank cardholders to reconcile their statements using a WEB browser (NETSCAPE) to access a WEB application. The validated and approved transactions will be extracted from the WEB system's DBMS (SYBASE) and sent via File Transfer Protocol (FTP) to the mainframe for batch transaction processing in the Financial Management System (FMS). The contractor will provide technical support, consulting, training, and the coordination of the development and implementation of this on-line effort. User Group will assist in reviewing the on-line bank card system as it is being developed. Acceptance testing will be conducted by the bank card team.

General Requirements: Modify and implement the automated Bank Card Reconciliation System as stated in the approved December 11, 1996 Functional Requirements Document.

Specific Requirements:

Training:

The Contractor will provide a Training Plan and conduct the training. The Training Plan will present the training requirements and how the training will be provided. The training plan and requirements will be approved exclusive of the training procedures and materials.

The training procedures (course outline, lesson plans, lesson materials, schedules) will be prepared subsequent to the Training Plan and will be added to the plan as they are needed and developed or acquired. The training procedures will also include specific details concerning class schedules, duration of each class, class location, method and registration.

Weekly Meetings:

The contractor will schedule weekly meetings with the Bank Card Team. Meetings will include but not be limited to:

- Activities related to Bank Card System during the past week
- Problems encountered and the impacts of those problems
- Decisions made by contractor that were not detailed in the JDD
- Demonstration of conformance of the system to Functional Requirements (on-going review)
- All computer screens as they are being developed (on-going review)

Metrics:

- Delivery of the revised Training Plan document which identifies the training; provides the proposed schedule; and is presented in the AIM standard format.
- Delivery of the revised User Guides which document and explain the purpose and provide step-by-step instructions using among other things screen graphics.

- Training sessions which provide an overview presentation and present the functionality of the on-line-system using the User Guide will allow time for questions and answers from the users. These training sessions will demonstrate how to access and use the system to reconcile and/or approve Bank Card statements.

- Testing: the performance of the system during acceptance testing will be demonstrated to be in conformance with the approved Functional Requirements

- Weekly meetings are maintained and project information is passed on by the contractor.

- Completion of all work within the proposed schedule.

- Completion of all work within the cost schedule.

Milestones (Schedule):

Develop First Prototype (Consists of EPRS Bank Card Online Module)	Jan. 29, 1997
Draft Training Plan	May 16, 1997
Final Training Plan	July 7, 1997
Draft User Guide	June 30, 1997
Final User Guide	July 7, 1997
System available for acceptance testing	May 19, 1997 (EPRS) July 14, 1997
Bank Card Reconciliation System installed and available for production use	July 31, 1997
Begin User Training	July 21, 1997
Complete User Training	Oct. 24, 1997

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 35	3. EFFECTIVE DATE MAY 15 1997	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE			
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001				

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
			10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
n/a

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 52.243-2, Changes and Mutual Agreement

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to update Section H to include a new clause to reflect Year 2000 requirements. In addition, the Statement of Work will be revised to reflect that supplies for the operation of the CBACC shall be purchased direct. Accordingly, the following changes are hereby made:

(CONTINUED)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) JOHN F. O'NEIL, SR. VP/GM		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 05/09/97	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED 5/15/97

FILE COPY

A. Clause H.13 is hereby added to Section H:

"H.13 COMMERCIAL COMPUTER SOFTWARE AND SYSTEMS

Computer equipment, software, and systems delivered to the Government by the offeror must meet the following requirements:

The Contractor warrants that the items delivered under this contract are merchantable and fit for use for the particular purpose described in the contract, to include the accurate performance in the processing of date and date related data (including, but not limited to, calculating, comparing, and sequencing) by all hardware and software products delivered under this contract, individually and in combination, upon installation. This performance includes the manipulation of this data with dates prior to, through, and beyond January 1, 2000, and shall be transparent to the user. Modifications or updates that interface to existing systems will not require Year 2000 compliance from the existing system, but shall not prevent the existing system from performing.

Hardware and software products, individually and in combination, shall successfully transition into the Year 2000 with the correct system date, without human intervention, including leap year calculations. Hardware and software products, individually and combination, shall also provide correct results when moving forward or backward in time across the Year 2000."

B. The Statement of Work , Section 3.3, Logistics, first sentence, is revised to delete the words "using the Langley stock requisition form" from the end of the sentence.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 4

2. AMENDMENT/MODIFICATION NO. 36
3. EFFECTIVE DATE MAY 29 1997
4. REQUISITION/PURCHASE REQ. NO. HA.2041
5. PROJECT NO. (If applicable)

6. ISSUED BY
CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001
7. ADMINISTERED BY (If other than Item 6)
CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-20650
10B. DATED (SEE ITEM 13)
2/1/96

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

n/a

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt II (APR 1984)
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause for additional work added as a result of Modification No. 32 dated March 14, 1997. Accordingly, the following change is hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
JOHN F. O'NEIL, SENIOR VICE PRESIDENT & GM
15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)
15C. DATE SIGNED
May 23, 1997
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
LISA M. HARVEY
16B. UNITED STATES OF AMERICA
BY Lisa M Harvey
(Signature of Contracting Officer)
16C. DATE SIGNED
5/29/97

A. Section B, B.2, is revised to increase cost by \$71,234 from \$9,089,654 to \$9,160,888 and the award fee available is increased by \$3,098 from \$497,934 to \$501,032. In addition, the award fee available for the second period is increased by \$3,098 from \$162,588 to \$165,686 and is revised as follows:

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$9,160,888 exclusive of the award fee of \$501,032 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$9,661,920.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	165,686"

B. Funding in the amount of \$75,000 has already been allocated via Mod. No. 32. However, the cost and fee pools need to be adjusted by \$1,252 to reflect an under-allocation of cost and and over-allocation of fee. No funds are being added via this Mod. No. 36; only an adjustment. Accordingly, Section B, B-3, Contract Funding, is revised as follows:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$7,411,243. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through August 22, 1997.

(b) An additional amount of \$272,432 is obligated under this contract for payment of fee."

C. A revised performance-based JDD including performance metrics for JDD HA004 is added to Exhibit G and is attached hereto.

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

CONTRACT TABULATION

	Estimated Cost	Award Fee	CPAF	Funding
Through Mod. 24	\$4,217,574	\$233,296	4,450,870	\$4,359,396
Mod. 25	3,517,800	204,100	3,721,900	2,120,000
Mod. 26	0	0	0	590,233
Mod. 27	0	0	0	0
Mod. 28	1,009,373	42,922	1052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Total	\$9,160,888	\$501,032	\$9,661,920	\$7,683,675

Funding includes \$7,411,243 for cost \$272,432 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	40,096	41,356	Mod. 15	5/24/96
AF003.00	14,907	666	15,573	13,609	Mod. 15	4/15/96
HA001.00	14,022	838	14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	88,903	88,762	Mod. 17	8/31/96
GI001.00	23,810	1,091	24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	175,249	181,812	Mod. 28	12/15/96
AF005.00	56,583	2,435	59,018	59,018	Mod. 28	10/07/96
AF007.00	211,467	11,172	222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	423,982	500,000	Mod. 28	09/08/96
HB002.00	126,808	5,241	132,049	200,000	Mod. 28	10/15/96
HA003	344,907	17,616	362,523	364,382	Mod. 29	10/24/97
HA004	71,234	3,098	74,332	75,000	Mod. 32	7/11/97
Total	\$2,121,188	\$95,232	\$2,216,420	\$2,368,634		

**Job Description Document
for
BAMIS Contract NAS1-20650**

JDD # HA004

Title: Current State Processing Analysis System

LaRC Point Of Contact: Chris Tremper, IFMP Transition / Implementation Manager
Mail Stop 179
Phone 864-8040

Scope: This JDD provides for the analysis, requirements definition, development, and implementation of the LaRC Current State Process Analysis system. Requirements include the ability to capture required data, store, in a RDBMS, and retrieve information with various queries. For Phase 1 utilize the Functional Requirements Document generated under Work Request HA-9711.

General Requirements:

Phase 1 - Initial collection, storing, and retrieving of information with minimal reporting.

Performance Requirement:

Phase 1

- Develop a web based application that will collect, store, and retrieve data contained in the LaRC Current State Process Analysis system.
- Conduct a weekly status reporting meeting on the status of this JDD to the LaRC IFMP Transition / Implementation Manager.

Metrics:

Phase 1

- Develop a detailed work schedule by May 26, 1997. This detailed work schedule will become the schedule metrics and milestones of this JDD effort.
- Conduct a weekly status meeting of JDD in which plans to actuals of the schedule are reviewed.
- Develop initial prototype of system with 50% functionality by June 27, 1997.
- Complete system development of Phase 1 version of system by July 11, 1997.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. 37	3. EFFECTIVE DATE MAY 29 1997	4. REQUISITION/PURCHASE REQ. NO. GM.4028	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
			10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
A5487; 282-30-02-14-00; \$250,000 (complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt II (APR 1984)
	D. OTHER (Specify type of modification and authority)

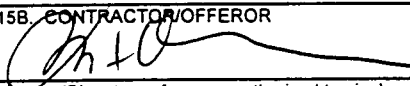

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause for additional work. Accordingly, the following change is hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) JOHN F. O'NEIL, SR. VICE PRESIDENT & GM		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED May 23, 1997	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 5/29/97

FILE COPY

A. Section B, B.2, is revised to increase cost by \$303,302 from \$9,160,888 to \$9,464,190 and the award fee available is increased by \$12,518 from \$501,032 to \$513,550. In addition, the award fee available for the second period is increased by \$12,518 from \$165,686 to \$178,204 and is revised as follows:

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$9,364,190 exclusive of the award fee of \$513,550 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$9,877,740.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	178,204”

B. Funding in the amount of \$250,000 is available for this effort which will be allocated as follows: funding for cost will be increased by \$237,482; fee will be fully funded and increased by \$12,518 for a total of \$250,000 in incremental funding for this effort. Accordingly, Section B, B-3, Contract Funding, is revised as follows:

“B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$7,648,725. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through August 22, 1997.

(b) An additional amount of \$284,950 is obligated under this contract for payment of fee.”

C. A performance-based JDD including performance metrics for JDD GM003 is added to Exhibit G and is attached hereto.

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 26	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 27	0	0	0	0
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Total	\$9,464,190	\$513,550	\$9,977,740	\$7,933,675

Funding includes \$7,648,725 for cost \$284,950 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	,72	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	5	41,356	Mod. 15	5/24/96
AF003.00	14,907	666		13,609	Mod. 15	4/15/96
HA001.00	14,022	838	14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	88,903	88,762	Mod. 17	8/31/96
GI001.00	23,810	1,091	24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	175,249	181,812	Mod. 28	12/15/96
AF005.00	56,583	2,435	59,018	59,018	Mod. 28	10/07/96
AF007.00	211,467	11,172	222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	423,982	500,000	Mod. 28	09/08/96
HB002.00	126,808	5,241	132,049	200,000	Mod. 28	10/15/96
HA003	344,907	17,616	362,523	364,382	Mod. 29	10/24/97
HA004	71,234	3,098	74,332	75,000	Mod. 32	7/11/97
GM003	303,302	12,518	315,820	250,000	n/a	
Total	\$2,424,490	\$107,750	\$2,348,081	\$2,618,634		

Exhibit G

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
HB002.01	Management Information System for Lead Center	5-27-97
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Credit Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97
GM003	Center Information Management Architecture	5-27-97

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD# GM003

Title: Center Information Management Architecture

NASA/LaRC Technical Monitor: Frederick L. Moore

Scope: The scope of the Center-wide MIS initiative is to establish in conjunction with the Agency's IFMP/EIS project an Information Management Architecture for the Center. The Information Management Architecture will be the map/structure for coordination, implementation, new development, and ongoing maintenance for a Center-wide information system. The initiative will consist of four parts:

- Implementation of the IFMP /EIS system which will initially include all financial, budget, procurement, T&A, and travel data.
- Integration of Non IFMP (which includes all other data) with IFMP systems into a Center-wide system.
- Development of data/information structure which defines a common data format, data/user dictionaries, user tools, and training.
- Development a cost effective and accurate process for Center-wide coordination of information management that is consistent with Langley's management processes/reports and Agency policy/systems.

The initiative will identify all existing and planned Center MIS systems for consistent data definitions, data formats, data repositories for feeding a Center data warehouse. The data warehouse will be the information repository for easy access by all decision makers. By establishing the Center's guidelines for data and information, the entire Center will have access to an efficient and effective information system.

1. Performance Requirements: In conjunction with the IFMP implementation Team plans, define an audit/interview plan for assessing the portfolio of existing and planned Center MIS systems.

Metric:

- With authority to proceed (ATP), submit a draft of a Center Audit/Interview Plan for determining the Center's portfolio of MIS systems within two weeks.
- After government review, finalize plan within one week.
- After government acceptance of plan, complete audit/interviews within two months.
- Document and submit draft of finding within two weeks of completion of interviews.

2. Performance Requirements: Support the Center Information Management Architecture Team in defining recommendation for a Center-wide process for management information. Following acceptance by the oversight committee, develop a project plan for implementing a Center-wide information management architecture. The metrics will be defined and documented after the ATP by the oversight committee.

Metric:

- Deliver a draft of the project plan for implementing the Center's information management architecture one month after ATP.
- Deliver the final version two weeks after the completion of the government's review of the draft plan.
- Submit proposal for completing plan within two weeks of government's acceptance of the project plan.

OMB Approval # 2700-0042

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1 CONTRACT ID CODE	PAGE OF PAGES	
2 AMENDMENT/MODIFICATION NO 38	3 EFFECTIVE DATE JUN 15 1997	4 REQUISITION/PURCHASE REQ NO GC.1112	1	6
6 ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		5 PROJECT NO (If applicable)		
CODE		7 ADMINISTERED BY (If other than item 6) CODE		

8 NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A AMENDMENT OF SOLICITATION NO.
		9B DATED (SEE ITEM 11)
	x	10A MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 3 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12 ACCOUNTING AND APPROPRIATION DATA (If required)

A5070 282-10-08-02 \$40,000 (Complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A
	B THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt II (APR 1984)
	D OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14 DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause for additional work. In addition, incremental funding is provided for the base effort. Accordingly, the following change is hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) JOHN F. O'NEIL, SR. VICE PRESIDENT & GM		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 6/12/97	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED 6/15/97

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

FILE COPY

A. Section B, B.2, is revised to increase cost by \$21,853 from \$9,464,190 to \$9,486,043 and the award fee available is increased by \$1,046 from \$513,550 to \$514,596. In addition, the award fee available for the second period is increased by \$1,046 from \$178,204 to \$179,250 and is revised as follows:

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$9,486,043 exclusive of the award fee of \$514,596 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$10,000,639.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	179,250”

B. Unrelated to the above change, Incremental Funding in the amount of \$40,000 is available for the base effort which will be allocated as follows: funding for cost will be increased by \$37,600; fee will be increased by \$2,400 for a total of \$40,000 in incremental funding for the base effort. Accordingly, Section B, B-3, Contract Funding, is revised as follows:

“B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$7,686,325. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through August 22, 1997.

(b) An additional amount of \$287,350 is obligated under this contract for payment of fee.”

C. A performance-based JDD including performance metrics for JDD HB002.01 is added to Exhibit G and is attached hereto.

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 26	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 27	0	0	0	0
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	0
Total	\$9,486,043	\$514,596	\$10,000,639	\$7,933,675

Funding includes \$7,648,725 for cost \$284,950 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	\$40,096	41,356	Mod. 15	5/24/96
AF003.00	14,907	666	\$15,573	13,609	Mod. 15	4/15/96
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	\$10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	\$88,903	88,762	Mod. 17	8/31/96
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	\$175,249	181,812	Mod. 28	12/15/96
AF005.00	56,583	2,435	\$59,018	59,018	Mod. 28	10/07/96
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	\$423,982	500,000	Mod. 28	09/08/96
HB002.00	126,808	5,241	\$132,049	200,000	Mod. 28	10/15/96
HA003	344,907	17,616	\$362,523	364,382	Mod. 34	10/24/97
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	7/11/97
GM003	303,302	12,518	\$315,820	250,000	n/a	8/27/97
HB002.01	21,853	1,046	\$22,899	0	n/a	9/16/97
Total	\$2,446,343	\$108,796	\$2,555,139	\$2,618,634		

EXHIBIT G, JOB DESCRIPTION DOCUMENTS

Assignment of Job Description Documents:

<u>IDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budget Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
HB002.01	Management Information System for Lead Center	6-16-97
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Credit Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97
GM003	Center Information Management Architecture	5-29-97

JDD # HB002.01, TITLE: MANAGEMENT INFORMATION SYSTEM FOR LEAD CENTER BUDGETING

LaRC Point of Contact: Delores K. Poupard, PRD, CFO
Mail Stop 104, Phone 864-6098

Date Prepared by Requester: April 28, 1997

Scope: To provide additional requirements and changes to existing system as stated below.

Specific Requirements:

1. Requirement:

- System should allow program titles at 7-digit level to be changed using the "update data" screen. Currently, this field is not updatable by this screen.
- Program titles at 3- and 5-digit levels should be put into a table that is accessible by those with Level 1 access authority. This table is to be listed as an option within the "Admin" button. This table should be the data source for graphs, reports and etc. that display 3 and 5 digit level titles.

2. Requirement:

- NCI is to investigate allowing access to the Langley Lead Center MIS via the World Wide Web versus each user being required to have a 4D Client icon on their desktop. This will allow for easier access from the other centers and PC users.

NCI is to provide to PRD written documentation containing the following:

- Pros and cons of this approach
- Security concerns and possible solutions
- Cost of any additional software required
- Cost of programming effort and implementation

After review of the documentation provided by NCI, PRD will decide if access via the Web is desired.

3. Requirement

- Automatically bring 7-digit level plan data for all Centers into the WBS portion for the AST (UPN 538, Category 2) records. The plans for HSR (UPN 537, Category 1) records are currently keyed in separately and should remain this way.

4. Requirement:

- Correct problem on "update data" screen where the Commitment, Obligation, Cost and Disbursement "Actuals" need to be rounded properly by Sybase before being displayed.

5. Requirement

- Under "Update Data" option change following messages which user receives when "Adding" a new record to data base.

First Message states

"Create UPN in FSYSR." Change word "UPN" to "7-Digit Program Number"

Second Message states

"Enter Desired UPN." Change word "UPN" to "7-Digit Program Number"

Third Message states

"Enter UPN Title." Omit word "UPN"

6. Requirement:

- Make necessary changes to Sybase code to optimize performance. Since the system became operational in December 1996, NCI personnel have determined coding changes that would improve system performance and provide additional flexibility.

7. Requirement:

- Add 2 additional reports under the Reports Option. (See attached sample layout)
- Report 1 – On the list of reports entitle this report "12-Month Phasing by Center/Program". Allow for the selection of Category, Center (All if Desired), and Year. This report would display 7-Digit level detail summed to 5-Digit, 3-Digit, Center and Grand Total levels. Will display 7-Digit Program Number, Title, Center, Guideline, 12 Month Commitment/Obligation/Cost Plans, and 12 Months of Commitment/Obligation/Cost Percentages of Plan vs Guideline. If more than one center is selected report would be sorted by Center and 7-Digit Program within Center. There would be a total and page break at break of each Center. Will need to be able to select any year including outyears.
- Report 2 – On the list of reports entitle this report "12-Month Phasing by Program/Center". Allow for the selection of Category, Center (All if Desired), and Year. This report would display 7-Digit level detail summed to 5-Digit, 3-Digit and Grand Total levels. Will display 7-Digit Program Number, Title, Center, Guideline, 12 Month Commitment/Obligation/Cost Plans, and 12 Months of Commitment/Obligation/Cost Percentages of Plan vs Guideline. The report is to be sorted by 7-Digit level program number only. Will need to be able to select any year including outyears.

8. Requirement:

- Modify existing Natural programs that extract guidelines/plans/actuals data from Planning file to include records for Current PY + 1. The same logic within these programs that pull data for current PY should be used for PY + 1.

Milestones:

- NCI will provide PRD a biweekly status indicating items that have been completed to date and those items still remaining to be worked along with an anticipated completion date.
- The above requirements will be completed by July 31, 1997 or 12 weeks after receipt of the JDD from LaRC Contracting Officer.

OMB Approval # 2700-0042

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 39	3. EFFECTIVE DATE JUL 03 1997	4. REQUISITION/PURCHASE REQ NO N/A	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14. PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to definitize Mod. No. 30 to provide for a full and equitable adjustment pursuant to the Changes clause. Job Description Documents AF010 and AF011, which were issued as Change Orders via Mod. No. 30, are hereby cancelled. This Mod. No. 39 definitizes all actual costs incurred to date. Accordingly, the following change is hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remain unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) CHARLES K. NARANG, PRESIDENT	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY
15B. CONTRACTOR OFFICER 	15C. DATE SIGNED July 2, 1997
15B. CONTRACTOR OFFICER (Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)
	16C. DATE SIGNED 7/3/97

FILE COPY

A. Section B, B.2, is revised to increase cost by \$3,938 from \$9,486,043 to \$9,489,981 and the award fee available is increased by \$237 from \$514,596 to \$514,833. As a result, the award fee available for the second period is also increased by \$237 from \$179,250 to \$179,487 and is revised as follows:

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$9,489,981, exclusive of the award fee of \$514,833 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$10,004,814.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	179,487”

B. All other terms and conditions remain unchanged.

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 26	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 27	0	0	0	0
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Total	\$9,489,981	\$514,833	\$10,004,814	\$7,973,675

Funding includes \$7,686,325 for cost \$287,350 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	\$40,096	41,356	Mod. 15	5/24/96
AF003.00	14,907	666	\$15,573	13,609	Mod. 15	4/15/96
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	\$10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	\$88,903	88,762	Mod. 17	8/31/96
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	\$175,249	181,812	Mod. 28	12/15/96
AF005.00	56,583	2,435	\$59,018	59,018	Mod. 28	10/07/96
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	\$423,982	500,000	Mod. 28	09/08/96
HB002.00	126,808	5,241	\$132,049	200,000	Mod. 28	10/15/96
HA003	344,907	17,616	\$362,523	364,382	Mod. 34	10/24/97
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	7/11/97
GM003	303,302	12,518	\$315,820	250,000	n/a	8/27/97
HB002.01	21,853	1,046	\$22,899	0	n/a	9/16/97
AF010	1,295	78	\$1,373	0	Mod. 39	6/30/97
AF011	2,643	159	\$2,802	0	Mod. 39	6/30/97
Total	\$2,450,281	\$109,033	\$2,559,314	\$2,618,634		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO 40
3. EFFECTIVE DATE
4. REQUISITION/PURCHASE REQ. NO. GM.4004, GM.4058
5. PROJECT NO. (If applicable)
6. ISSUED BY CODE
7. ADMINISTERED BY (If other than Item 6) CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-20650
10B. DATED (SEE ITEM 13)
2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
GM.4004; JO: A5487; 28230021400; \$220,000 (complete),
GM.4058; JO: A5487; 28230021400; \$200,000(complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to provide incremental funding in the amount of \$420,000. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) ROSEMARY C. FROEHLICH
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED
16B. UNITED STATES OF AMERICA
16C. DATE SIGNED 7-21-97
BY Rosemary C. Froehlich (Signature of Contracting Officer)

FILE COPY

A. Incremental Funding in the amount of \$420,000 is provided as follows: funding for cost will be increased by \$394,800; funding for fee will be increased by \$25,200. Accordingly, Section B, B-3, Contract Funding, is revised as follows:

“B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$8,081,125. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through August 22, 1997.
- (b) An additional amount of \$312,550 is obligated under this contract for payment of fee.”

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 26	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 27	0	0	0	0
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	<u>0</u>	<u>0</u>	<u>0</u>	<u>420,000</u>
Total	\$9,489,981	\$514,833	\$10,004,814	\$8,393,675

Funding includes \$8,081,125 for cost and \$312,550 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. 41	3. EFFECTIVE DATE AUG 04 1997	4. REQUISITION/PURCHASE REQ. NO. GML.1152, AF.5450	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

AF.5450; M3159; 992-30-06-01; \$43,783 (complete),
GML.1152; A5162, \$2,265; A5163, \$93,410; M2022, \$4,325 TOTAL \$100,000(complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF 52.243-2 Changes - Cist Reimbursement (AUG 1987) Alt II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to definitize Mod. No. 31, dated Feb. 28, 1997, and to provide for a full and equitable adjustment pursuant to the Changes clause. In addition, incremental funding is provided for the base effort. Accordingly, the following change is hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) DAVID C. CHISHOLM, SR. VP & GM		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED August 4, 1997	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED AUG 04 1997
(Signature of person authorized to sign)			

523,590 *lmb*

A. Section B, B.2, is revised to increase cost by \$199,302 from \$9,489,981 to \$9,689,283 and the award fee available is increased by \$8,757 from \$514,833 to ~~\$523,290~~. In addition, the award fee available for the second period is increased by \$8,757 from \$179,250 to \$188,007 and is revised as follows:

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$9,689,283 exclusive of the award fee of \$523,590 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$10,212,873.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	188,007"
	188,244 <i>lmb</i>

B. Incremental Funding in the amount of \$143,783 is provided as follows: funding for cost will be increased by \$135,156; funding for fee will be increased by \$8,627. Accordingly, Section B, B-3, Contract Funding, is revised as follows:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$8,216.281. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through August 22, 1997.

(b) An additional amount of \$321,177 is obligated under this contract for payment of fee."

C. A performance-based JDD including performance metrics for JDD AF012 is added to Exhibit G and is attached hereto.

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

CONTRACT TABULATION

	<u>Estimated</u> <u>Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 26	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 27	0	0	0	0
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Total	\$9,689,283	\$523,590	\$10,212,873	\$8,537,458

Funding includes \$8,216,281 for cost and \$321,177 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	\$40,096	41,356	Mod. 15	5/24/96
AF003.00	14,907	666	\$15,573	13,609	Mod. 15	4/15/96
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	\$10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	\$88,903	88,762	Mod. 17	8/31/96
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	\$175,249	181,812	Mod. 28	12/15/96
AF005.00	56,583	2,435	\$59,018	59,018	Mod. 28	10/07/96
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	\$423,982	500,000	Mod. 28	09/08/96
HB002.00	126,808	5,241	\$132,049	200,000	Mod. 28	10/15/96
HA003	344,907	17,616	\$362,523	364,382	Mod. 34	10/24/97
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	7/11/97
GM003	303,302	12,518	\$315,820	250,000	n/a	8/27/97
HB002.01	21,853	1,046	\$22,899	0	n/a	9/16/97
AF010	1,295	78	\$1,373	0	Mod. 39	6/30/97
AF011	2,643	159	\$2,802	0	Mod. 39	6/30/97
AF012	199,302	8,767	208,059	180,000	Mod. 41	10/28/97
Total	\$2,649,583	\$17,800	\$2,767,383	\$2,798,634		

*Monica
6751*

EXHIBIT G, JOB DESCRIPTION DOCUMENTS

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Credit Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97
GM003	Center Information Management Architecture	5-29-97
HB002.01	Management Information System for Lead Center	6-16-97
AF012	Personnel Database Module	7-31-97

Job Description Document for BAMIS Contract NAS1-20650

JDD AF012

Title: Development of a Personnel Database Module

LaRC Point of Contract: Charles E. Cockrell, Chief Engineer,
OSEMA Mail Stop 421, Phone 757-864-3361

Scope

Provide necessary programming support to develop a Personnel Database module with a 4D front-end accessing a Sybase database running on a UNIX based workstation.

General Requirements

The application will use 4th Dimension as a front end interface with the database maintained in SYBASE running on OSEMA's SUN UNIX Server. The Personnel Database shall be accessible from the appropriate computers (Macintosh, PCs running MS Windows 95) used by OSEMA personnel, and shall provide the standardized OSEMA user interface including four levels of access control. Response time will be a critical performance measure and must guide the database development. Access to Personnel Database module shall be available to all OSEMA users across LaRC's network links. Protection of the data is vital and requires appropriate backup capability to be included. All OSEMA personnel, as well as selected others, shall be capable of read only access. However, the capability to enter and modify data will be restricted.

Specific Requirements

1. Develop the Personnel Database under Sybase on the SUN workstation according to requirements identified in the Personnel Database Requirements Document (see attachment 1). The Personnel Database Requirements Document is a compilation of requirements identified in meetings with the OSEMA users conducted under JDD AF-005
2. Demonstrate error-free functionality of the Personnel Database module upon delivery.
3. Provide training for users of the Personnel Database module.

Metrics

1. Full LaRC network access and functionality of the Personnel Database module from remote desktop (PC with Windows 95 and Macintosh) computers.
2. Conformance to the requirements listed in the Personnel Database Requirements Document.
3. Completion of all work within the agreed upon schedule and cost
4. The system will be delivered error-free and successfully demonstrated.
5. Error free interface with all other OSEMA Applications.

Milestones

- | | |
|--|----------|
| 1. Provide Monthly Status Reports | Monthly |
| 2. Completion of application programming | 09/22/97 |
| 3. Creation of test data for training | 09/29/97 |
| 4. Training | 10/06/97 |
| 5. System Acceptance Testing | 10/20/97 |
| 6. Creation of production database | 10/27/97 |
| 7. System available for production | 10/28/97 |

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
		GML.1158	1 6
2. AMENDMENT/MODIFICATION NO. 42	3. EFFECTIVE DATE SEP 02 1997	4. REQUISITION/PURCHASE REQ. NO. GML.1158	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

GML.1158 M1792 992-16-04-06, \$1,000; M1793, 992-16-05-01; \$24,000
 TOTAL \$25,000 (complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

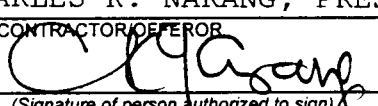
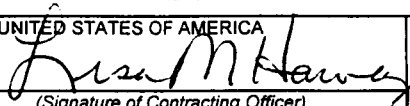
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2, Changes - Cost Reimbursement (AUG 1987) Alternate II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause as a result of the specification being changed. In addition, incremental funding is provided for the base effort. Accordingly, the following change is hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.			
15A. NAME AND TITLE OF SIGNER (Type or print) CHARLES K. NARANG, PRESIDENT	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY		
15B. CONTRACTOR OFFICER  (Signature of person authorized to sign)	15C. DATE SIGNED 8/14/97	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 9/2/97

FILE COPY

A. Section B, B.2, is revised to increase cost by \$13,560 from \$9,689,283 to \$9,702,843 and the award fee available is increased by \$590 from \$523,590 to \$524,180. In addition, the award fee available for the third period is increased by \$590 from \$102,050 to \$102,640 and is revised as follows:

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$9,702,843 exclusive of the award fee of \$524,180 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$10,227,023.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	188,244”
August 1, 1997 - January 31, 1998	102,640”

B. Unrelated to this change, Incremental Funding in the amount of \$25,000 for the base effort is provided as follows: funding for cost will be increased by \$23,500; funding for fee will be increased by \$1,500. Accordingly, Section B, B-3, Contract Funding, is revised as follows:

“B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$8,239,781. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through September 5, 1997.

(b) An additional amount of \$322,677 is obligated under this contract for payment of fee.”

C. A performance-based JDD including performance metrics for JDD HB002.02 is added to Exhibit G and is attached hereto.

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Total	\$9,702,843	\$524,180	\$10,227,023	\$8,562,458

Funding includes \$8,239,781 for cost and \$322,677 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	5/24/96
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	4/15/96
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	\$10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	8/31/96
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	12/15/96
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	10/07/96
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	09/08/96
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	10/15/96
HA003	344,907	17,616	\$362,523	364,382	Mod. 34	10/24/97
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	7/11/97
GM003	303,302	12,518	\$315,820	250,000	n/a	8/27/97
HB002.01	21,853	1,046	\$22,899	22,899	n/a	9/16/97
AF010	1,295	78	\$1,373	1,373	Mod. 39	6/30/97
AF011	2,643	159	\$2,802	2,802	Mod. 39	6/30/97
AF012	199,302	8,757	208,059	180,000	Mod. 41	10/28/97
HB002.02	13,560	590	14,150	45,052	n/a	9/30/97
AF006	NOTE:			62,746	Mod. 26	
AF009	TO			182,681	Mod. 26	
GMG001.02	BE			676,018	Mod. 26	
GMG002	DEFINITIZED			275,000	Mod. 26	
Total	\$2,663,143	\$118,380	\$2,781,523	\$3,899,400		

EXHIBIT G, JOB DESCRIPTION DOCUMENTS

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Credit Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97
GM003	Center Information Management Architecture	5-29-97
HB002.01	Management Information System for Lead Center	6-16-97
AF012	Personnel Database Module	7-31-97
HB002.02	Management Information System for Lead Center	8-13-97

When the user selects AST, the system should "only" retrieve records with a code equal to AST in the new table and produce the desired report. The report output should display that the data selected was "AST Only".

When the user selects ASC, the system should "only" retrieve records with a code equal to ASC in the new table and produce the desired report. The report output should display that the data selected was "ASC Only".

Milestones:

- NCI will provide PRD a biweekly status indicating items that have been completed to date and those items still remaining to be worked along with an anticipated completion date.
- The above requirements will be completed by September 30, 1997.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 43	3. EFFECTIVE DATE SEP 12 1997	4. REQUISITION/PURCHASE REQ. NO. GM.4119	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
JO: A5487; 28230021400; \$130,000 (complete),

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to provide incremental funding in the amount of \$130,000. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
(Signature of person authorized to sign)	BY <i>Lisa M Harvey</i> 9/12/97 Signature of Contracting Officer

FILE COPY

A. Incremental Funding in the amount of \$130,000 is provided as follows: funding for cost will be increased by \$122,200; funding for fee will be increased by \$7,800. Accordingly, Section B, B-3, Contract Funding, is revised as follows:

“B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$8,361,981. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through September 30, 1997.
- (b) An additional amount of \$330,477 is obligated under this contract for payment of fee.”

B. All other terms and conditions remain unchanged.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Total	\$9,702,843	\$524,180	\$10,227,023	\$8,692,458

Funding includes \$8,361,981 for cost and \$330,477 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	5/24/96
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	4/15/96
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	\$10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	8/31/96
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	12/15/96
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	10/07/96
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	09/08/96
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	10/15/96
HA003	344,907	17,616	\$362,523	364,382	Mod. 34	10/24/97
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	7/11/97
GM003	303,302	12,518	\$315,820	300,000	n/a	8/27/97
HB002.01	21,853	1,046	\$22,899	22,899	n/a	9/16/97
AF010	1,295	78	\$1,373	1,373	Mod. 39	6/30/97
AF011	2,643	159	\$2,802	2,802	Mod. 39	6/30/97
AF012	199,302	8,757	208,059	180,000	Mod. 41	10/28/97
HB002.02	13,560	590	14,150	45,052	n/a	9/30/97
AF006	NOTE:			62,746	Mod. 26	
AF009	TO			182,681	Mod. 26	
GMG001.02	BE			726,018	Mod. 26	
GMG002	DEFINITIZED			275,000	Mod. 26	
Total	\$2,663,143	\$118,380	\$2,781,523	\$3,999,400		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 44	3. EFFECTIVE DATE SEP 18 1997	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)		CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 18-52.216-76 Award Fee for Service Contracts (SEP 1993)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is revise the award fee available for the third award fee period to reflect the amount earned as determined by the Government. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY CONTRACTING OFFICER	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Lisa M Harvey</i> (Signature of Contracting Officer)	16C. DATE SIGNED 9/18/97
(Signature of person authorized to sign)			

FILE COPY

Section B., B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE, Paragraph B, the award fee available for the second award fee period is \$155,772 and is shown below:

"B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$96,000
August 1, 1996 - January 31, 1997	\$90,000"
February 1, 1997 - July 31, 1997	\$155,772

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Total	\$9,702,843	\$524,180	\$10,227,023	\$8,692,458

Funding includes \$8,361,981 for cost and \$330,477 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE		PAGE OF PAGES	
		1	2
2. AMENDMENT/MODIFICATION NO	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
45	9/26/97	N/A	
6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

N/A

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) MUTUAL AGREEMENT

E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to incorporate ceilings on indirect rates. Accordingly, Section H. will be revised as follows:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
CHARLES K. NARANG, PRESIDENT.		LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
	September 26, 1997	BY	9/26/97
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

file

A. Section H, Special Contract Requirements, is revised to add Paragraph H.13, Advanced Agreement on Indirect Rates (LaRC 52.231-90) (JUN 1988) as follows:

“H.13, Advanced Agreement on Indirect Rates (LaRC 52.231-90) (JUN 1988)

A. Notwithstanding the provisions of the Section I clause entitled "Allowable Cost and Payment," the Contractor will be reimbursed at the indirect ceiling rates specified below or the actual rates, whichever are less, for each of the Contractor's fiscal years applicable to this contract. The Contractor's fiscal year is January 1 through December 31. Any costs that are not reimbursed due to the ceilings shall be deemed unallowable costs. These unallowable costs shall not be recovered under this or any other Government contract.

Indirect Cost Pool	Ceiling Percentage Calendar Year		Allocation Base
	1996	1997	
Overhead & Fringe Facilities General & Admini.	[REDACTED]	[REDACTED]	Direct Labor NCI Site Direct Labor Labor, Overhead, Facilities Travel, Other ODC's, Material Handling
Material Handling	[REDACTED]	[REDACTED]	Subcontracts, Equipment, Materials

B. The above rate ceilings are predicated upon the bases listed above and the accounting practices and accounting system in effect on January 1, 1996 and January 1, 1997. If the Contractor changes its accounting practices or accounting system in any way, the Contractor will immediately notify the Government. Within 30 days of such change the Contractor shall present to the Contracting Officer information that demonstrates that the change will not impact the allowable cost computed using the above rates or shall submit a proposal for adjustment of the ceilings so that the total costs allowable will not exceed the total costs that would have been allowable had the Contractor not changed its accounting practices or accounting system. In the event that the parties cannot agree on new ceilings using the Contractor's new accounting practices or system and the Contractor does not agree to return to the previous accounting practices and system, the Contracting Officer may equitably adjust the ceilings."

B. All other terms and conditions remain unchanged.

OMB Approval #: 2700-0042

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 46		3. EFFECTIVE DATE SEP 29 1997	4. REQUISITION/PURCHASE REQ. NO. GM 4131	5. PROJECT NO. (if applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (if other than item 6)		

1. CONTRACT ID CODE	PAGE OF PAGES 1 / 4
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
A5487; 282-30-02-14, \$6000 (Complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2, Changes - Cost Reimbursement (AUG 1987) Alternate II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to definitize Mod. No. 26, dated November 27, 1996, and to provide for a full and equitable adjustment pursuant to the Changes clause. In addition, incremental funding is being added to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

15A. NAME AND TITLE OF SIGNER (Type or print) DAVID C. CHISHOLM, SR. VP & GM		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) JOAN Y. CREPPS	
15B. CONTRACTOR/OFFEROR 	15C. DATE SIGNED September 26, 1997	16B. UNITED STATES OF AMERICA BY	16C. DATE SIGNED 9/29/97

FILE COPY

A. Section B, B.2, is revised to increase cost by \$1,087,799 from \$9,702,843 to \$10,790,642 and the award fee available is increased by \$47,287 from \$524,180 to \$571,467. In addition, the award fee available for the third period is increased by \$47,287 from \$102,640 to \$149,927 and is revised as follows:

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$10,790,642 exclusive of the award fee of \$571,467 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$11,362,109.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	155,772
August 1, 1997 - January 31, 1998	149,927”

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Incremental Funding in the amount of \$6,000 is provided as follows: funding for cost will be increased by \$5,650; funding for fee will be increased by \$350. Accordingly, Section B, B-3, Contract Funding, is revised as follows:

“B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$8,367,631. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through October 15, 1997.
- (b) An additional amount of \$330,827 is obligated under this contract for payment of fee.”

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Total	\$10,790,642	\$571,467	\$11,362,109	\$8,698,458

Funding includes \$8,367,631 for cost and \$330,827 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	5/24/96
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	4/15/96
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	\$10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	8/31/96
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	12/15/96
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	10/07/96
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	09/08/96
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	10/15/96
HA003	344,907	17,616	\$362,523	364,382	Mod. 34	10/24/97
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	7/11/97
GM003	303,302	12,518	\$315,820	250,000	n/a	8/27/97
HB002.01	21,853	1,046	\$22,899	22,899	n/a	9/16/97
AF010	1,295	78	\$1,373	1,373	Mod. 39	6/30/97
AF011	2,643	159	\$2,802	2,802	Mod. 39	6/30/97
AF012	199,302	8,757	208,059	180,000	Mod. 41	10/28/97
HB002.02	13,560	590	14,150	45,052	n/a	9/30/97
AF006	61,669	3,071	64,740	62,746	Mod. 26	3/1/97
AF009	187,847	8,049	195,895	182,681	Mod. 26	8/18/97
GMG001.02	744,314	31,467	775,781	762,018	Mod. 26	9/15/97
GMG002	93,969	4,700	98,669	275,000	Mod. 26	on hold
Total	\$3,750,942	\$165,667	\$3,916,608	\$3,985,400		

EXHIBIT G, JOB DESCRIPTION DOCUMENTS

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Credit Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97
GM003	Center Information Management Architecture	5-29-97
HB002.01	Management Information System for Lead Center	6-16-97
HB002.02	Management Information System for Lead Center	8-13-97

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 47		3. EFFECTIVE DATE NOV 03 1997	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		

1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
n/a

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to redistribute the funding between the the cost and fee pools. Total funding remains unchanged. Accordingly, the following change is hereby made to the Contract Schedule:

(continued)

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Lisa M Harvey</i> (Signature of Contracting Officer)	16C. DATE SIGNED 11/3/97
(Signature of person authorized to sign)			

FILE COPY

A. Funding in the amount of \$150,000 is being reallocated from the cost pool to the fee pool. Accordingly,, B-3, Contract Funding, is revised as follows:

“B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$8,217,631. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through November 17, 1997.

(b) An additional amount of \$480,827 is obligated under this contract for payment of fee.”

B. All other terms and conditions remain unchanged.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Total	\$10,790,642	\$571,467	\$11,362,109	\$8,698,458

Funding includes \$8,217,631 for cost and \$480,827 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 48	3. EFFECTIVE DATE NOV 20 1997	4. REQUISITION/PURCHASE REQ. NO. AF.5476/GM.4162	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE		FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
M3159, 992-30-06-01, \$175,000; Complete / A5160, 282-30-02-04, \$70,000 Complete \$245,000

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14. PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to provide incremental funding in the amount of \$245,000. Accordingly, the following changes are hereby made to the contract schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 11/20/97
(Signature of person authorized to sign)	BY <i>Lisa M Harvey</i> (Signature of Contracting Officer)

FILE COPY

A. Incremental Funding in the amount of \$245,000 is being provided as follows: funding for cost will be increased by \$230,790; funding for fee will be increased by \$14,210. Accordingly, Section B. B-3, Contract Funding, is revised as follows:

“B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$8,448,421. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through December 5, 1997.
- (b) An additional amount of \$495,037 is obligated under this contract for payment of fee.”

B. All other terms and conditions remain unchanged.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48				245,000
Total	\$10,790,642	\$571,467	\$11,362,109	\$8,943,458

Funding includes \$8,448,421 for cost and \$495,037 for fee.

OMB Approval #: 270G-0042

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO 49 3. EFFECTIVE DATE DEC 05 1997 4. REQUISITION/PURCHASE REQ NO GM.4147 5. PROJECT NO (If applicable)

6. ISSUED BY CODE National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001 7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650 10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning copies of the amendment, (b) By acknowledging receipt of this amendment on each copy of the offer submitted, or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) N/A

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF 52.243-2, Changes, Cost Reimbursement (AUG 1987) Alternate II (APR 1984) D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this modification is to revise the Statement of Work to include the Integrated Financial Management Program (IFMP) requirements to the Statement of Work. Accordingly, the contract schedule will be revised as follows:

(continued)

15A. NAME AND TITLE OF SIGNER (Type or print) CHARLES K. NARANG, PRESIDENT 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) JOAN Y. CREPPS 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 12/4/97 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED 12/5/97 BY (Signature of person authorized to sign) (Signature of Contracting Officer)

FILE COPY

A. Section B, B.2, is revised to increase cost by \$422,395 from \$10,790,642 to \$11,213,037 and the award fee available is increased by \$25,189 from \$571,467 to \$596,656. In addition, the award fee available for the third period is increased by \$25,189 from \$149,927 to \$175,116 and is revised as follows:

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$11,213,037 exclusive of the award fee of \$596,656 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$11,809,693.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	155,772
August 1, 1997 - January 31, 1998	175,116”

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Paragraph H.12, Options, is deleted in its entirety and is replaced with the following which reflects the revised contract values:

“H-12, Options

Priced Options/Extended Services

Pursuant to the Section I clause entitled 52.217-9, Option to Extend the Term of the Contract (MAR 1989), and FAR 37.111, the Contractor hereby grants to the Government options to extend the term of the contract by four one-year periods and six one-month periods. The first through fourth option periods are to be exercisable by issuance of a unilateral modification no later than 30 calendar days prior to the expiration of the contract. The fifth through tenth option periods are not subject to the time period specified in Paragraph (a) of FAR Clause 52.217-9, but may be exercised by the issuance of a unilateral modification prior to the expiration of the contract. Upon exercise of such option(s) by the Government, the following items will be increased by the amounts specified below for each option period.

A. First through Fourth Option Periods

<u>Item</u>	<u>First Option Period</u>	<u>Second Option Period</u>	<u>Third Option Period</u>	<u>Fourth Option Period</u>
Period of Performance (Ref. F.1)	12 months	12 months	12 months	12 months
Estimated Cost (Ref. B.2.A)	\$5,790,980	\$5,107,315	\$5,173,925	\$4,494,703
Award Fee (Ref. B.2.A)	\$ 330,888	\$ 295,376	\$ 294,618	\$ 253,904
Award Fee Availability (Ref. B.2.B)				
2/1/97 - 7/30/97	\$ 155,772			
8/1/97 - 1/31/98	\$ 175,116			
2/1/98 - 7/30/98		\$ 147,688		
8/1/98 - 1/31/99		\$ 147,688		
2/1/99 - 7/30/99			\$ 147,309	
8/1/99 - 1/31/00			\$ 147,309	
2/1/00 - 7/30/00				\$ 126,952
8/1/00 - 1/31/01				\$ 126,952

B. Fifth through Tenth Option Periods

	<u>Fifth Option Period</u>	<u>Sixth Option Period</u>	<u>Seventh Option Period</u>	<u>Eighth Option Period</u>	<u>Ninth Option Period</u>	<u>Tenth Option Period</u>
Period of Performance (Ref. F.1)	1 month	1 month	1 month	1 month	1 month	1 month
Estimated Cost (Ref. B.2.A)	\$334,484	\$334,484	\$334,484	\$334,484	\$334,484	\$334,484
Fixed Fee (Ref. B.2.A)	\$ 17,738	\$ 17,738	\$ 17,738	\$ 17,738	\$ 17,738	\$ 17,738

C. Exhibit A, Statement of Work, is revised as follows:

1. Section 6, Applications Portfolio Management, second sentence, is deleted in its entirety and replaced with the following:

“Applications Portfolio Management includes applications software maintenance and upgrade, applications modification, technical support and consulting, performance measurement and tuning, security, and implementation of commercial off the shelf (COTS) products associated with the BAMIS applications portfolio.”

2. Section 6 is revised to include the following sentence to the end of the paragraph:

“In support of the Integrated Financial Management Program (IFMP) the contractor shall perform support services to aid in the implementation and integration of the IFMP suite of applications into the BAMIS computing environment. In addition to the services listed above, the Contractor shall provide IFMP support for planning, data conversion, integration, analysis, and modification to LaRC and Agency systems.”

B. Exhibit D, BAMIS Applications Portfolio, is revised as follows:

1. The first paragraph, first sentence, is deleted in its entirety and shall read as follows:

“The LaRC application-specific software portfolio consists of Agency-wide standard systems, commercial off the shelf (COTS) systems, and LaRC-developed and LaRC-maintained unique application specific systems.”

2. Figure 1 is deleted in its entirety and shall read as follows:

APPLICATION SYSTEM CATEGORY	NO. OF SYSTEMS
A. LaRC-unique systems	43
B. Agency systems with no LaRC-unique interface	3
C. Agency systems with LaRC-unique interface	5
D. Agency commercial off the shelf (COTS) systems	7
Total number of application systems	58

3. Section 8.0 will be added after section 7.3 and will read as follows:

"8.0 Integrated Financial Management Program (IFMP)

The IFMP is an Agency-wide initiative which will procure COTS software in the financial arena to replace existing Center-unique and Agency-wide software. The IFMP has provisions to procure software in seven distinct areas of functionality. These areas are Core Financial, Budget Formulation, Time and Attendance, Procurement, Travel, Asset Management, and Executive Information System. Of these seven applications, only Core Financial and the Executive Information System are considered to be mandatory for IFMP, with all other applications identified as options which may or may not be selected for implementation.

8.1 Core Financial

The Core Financial application includes budget execution, recording and controlling funds, recording cost, including full cost accounting and labor distribution, disbursing and advancing funds, billing and collecting accounts receivable, Standard General Ledger, financial classification structure, and reporting. Category D.

8.2 Budget Formulation

The Budget Formulation application includes integrated budget planning linked to strategic plans, standardized data, schedule, formats and guidance for budget calls and submittals, and recording, maintaining, and reporting budget data for many multi-budget cycles. Category D.

8.3 Time and Attendance

The Time and Attendance application includes exception-based reporting, shifting responsibility for maintaining electronic time sheets to individual employees, simplifying the attendance certification process, and using electronic routing and approval. Category D.

8.4 Procurement

The Procurement application includes an end-to-end procurement process that is integrated with other business systems, reduced number of approvals, expansion of credit card purchasing, and automated closeout for simplified acquisitions processes outside the Acquisition Division. Category D.

8.5 Travel

The Travel application includes initiation of travel requests by the traveler, reduced number of approvals, use of flat rate per diem, random statistical sampling of travel vouchers, and end-to-end electronic processing of travel data from the initiation of the travel request through the payment of the travel voucher. Category D.

8.6 Asset Management

The Asset Management application includes inventory and property control, depreciation of assets, disposal of assets, and managing facilities and equipment maintenance. Category D.

8.7 Executive Information System

The Executive Information System will provide program managers, project managers, and others with timely, accurate, and useful financial and non-financial data needed for planning and management decision making. Category D."

CONTRACT TABULATION

	<u>Estimated</u> <u>Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Total	\$11,213,037	\$596,656	\$11,809,693	\$8,943,458

Funding includes \$8,448,421 for cost and \$495,037 for fee.

OMB Approval #: 2700-0042

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 7
2. AMENDMENT/MODIFICATION NO. 50	3. EFFECTIVE DATE DEC 12 1997	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (if applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (if other than item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2, Changes - Cost Reimbursement (AUG 1987) Alternate II (APR 1984)
	D. OTHER (Specify type of modification and authority)

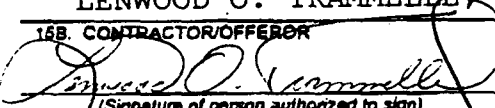
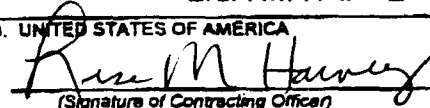
E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause as a result of the specification being changed. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) LENWOOD O. TRAMMELLE, JR., SR VP/GM	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 12/8/97
15D. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 12/12/97

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

FILE COPY

A. Section B, B.2, is revised to increase cost by \$11,412 from \$11,213,037 to \$11,224,449 and the award fee available is increased by \$312 from \$596,656 to \$596,968. In addition, the award fee available for the third period is increased by \$312 from \$175,116 to \$175,428 and is revised as follows:

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$11,224,449 exclusive of the award fee of \$596,968 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$11,821,417.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	155,772
August 1, 1997 - January 31, 1998	175,428"

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. A performance-based JDD including performance metrics for JDD HB002.03 is added to Exhibit G and is attached hereto.

CONTRACT TABULATION

	<u>Estimated</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
	<u>Cost</u>			
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Total	\$11,224,449	\$596,968	\$11,821,417	\$8,943,458

Funding includes \$8,448,421 for cost and \$495,037 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	5/24/96
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	4/15/96
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	5/24/96
IO01.00	10,460	420	\$10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	8/31/96
GH001.00	23,810	1,091	\$24,901	24,901	Mod. 20	10/30/96
GMG001.00	81,457	3,493	\$84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	9/03/96
GMG002.00	61,189	2,943	\$64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	12/15/96
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	cancelled
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	09/08/96
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	10/15/96
HA003	344,907	17,616	\$362,523	364,382	Mod. 34	10/24/97
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	7/11/97
GMG003	303,302	12,518	\$315,820	250,000	n/a	8/27/97
HB002.01	21,853	1,046	\$22,899	22,899	n/a	9/16/97
AF010	1,295	78	\$1,373	1,373	Mod. 39	cancelled
AF011	2,643	159	\$2,802	2,802	Mod. 39	cancelled
AF012	199,302	8,757	208,059	180,000	Mod. 41	10/28/97
HB002.02	13,560	590	14,150	14,150	n/a	9/30/97
AF006	61,669	3,071	64,740	62,746	Mod. 26	cancelled
AF009	187,847	8,049	195,895	182,681	Mod. 26	8/18/97
GMG001.02	744,314	31,467	775,781	762,018	Mod. 26	9/15/97
GMG002	93,969	4,700	98,669	275,000	Mod. 26	cancelled
HB002.03	11,412	312	11,724	30,902	n/a	
Total	\$3,762,354	\$165,979	\$3,928,332	\$3,985,400		

EXHIBIT G, JOB DESCRIPTION DOCUMENTS

Assignment of Job Description Documents:

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Credit Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97
GM003	Center Information Management Architecture	5-29-97
HB002.01	Management Information System for Lead Center	6-16-97
HB002.02	Management Information System for Lead Center	8-13-97
HB002.03	Management Information System for Lead Center	12-8-97

Additional Requirements For Job Description Document for
BAMIS Contract (NAS1-20650)

JDD # HB002.03

Title: Management Information System for Lead Center Budgeting

LaRC Point of Contact: Delores K. Poupard, PRD, CFO Mail Stop 104

Phone 864-6098

Date Prepared by Requester: October 20, 1997

Scope: To provide additional requirements and changes to existing system as stated below in order to allow the use of the Langley Lead Center MIS by Marshall Space Flight Center

Specific Requirements:

1. Requirement:

- Add a button entitled "Marshall" to the main screen.
- Marshall Space Flight Center records will be assigned the value of "Category 5".
- System to be modified to allow for Marshall to have all of the system capabilities now available to the Langley and Dryden users. These are to include graphics, all reports, add/change/delete data screens and etc. for both budget \$ and workforce data.

2. Requirement:

- Table currently used to categorize 7-digit level records for UPN 538 (Category 2) into different groups is to be modified to accommodate the desired groupings for Marshall data. See Excel Spreadsheet for groupings desired (to be delivered separately). This spreadsheet does not presently contain complete 7-Digit level program numbers (ex., 242-xx). Marshall will load complete 7-Digit level numbers at a later date when the above table is populated.
- This table is to be listed as an option within the "Admin" button. This table should be the data source for graphs, reports and etc. that will display Category 5 records by these different groupings.
- The Marshall data administrator should be able to modify/add/delete records from this table as required. Graphs and reports should immediately reflect these changes.

3. Requirement:

- At the present time the Langley Lead Center MIS is setup for user access via a Macintosh only. Modify screens/graphs/reports to be accessible by PC users using Microsoft Windows. These modifications are to be transparent and have no impact to the present Macintosh users.
- Provide PRD with a written report detailing all of the required changes and impacts on present system.

- Provide Marshall Space Flight Center with the necessary instructions and assistance to successfully configure Langley Lead Center MIS for PC use.

Milestones:

- NCI will provide PRD a biweekly status indicating items that have been completed to date and those items still remaining to be worked along with an anticipated completion date.
- All system modifications made to accommodate the above requirements are to be thoroughly tested by NCI before they are turned over to PRD for System Acceptance Testing. System errors, other than a few minor items that can be quickly remedied, will not be acceptable.
- The above requirements will be completed within 14 weeks from the time authorization is received.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 51	3. EFFECTIVE DATE DEC 12 1997	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

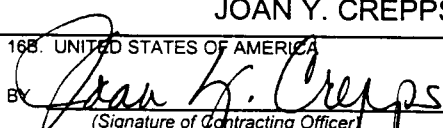
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b) SECTION H, H-3, OPTIONS
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 The purpose of this modification is to exercise the second 12-month option period. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) JOAN Y. CREPPS
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 12/12/97
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

FILE COPY

A. Section B, B.2, is revised to increase cost by \$5,107,315 from \$11,224,449 to \$16,331,764 and the award fee available is increased by \$295,376 from \$596,968 to \$892,344. Award fee available for the fourth period is \$295,376 and is revised as follows:

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$16,331,764 exclusive of the award fee of \$892,344 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$17,224,108.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	155,772
August 1, 1997 - January 31, 1998	175,428
February 1, 1998 - July 31, 1998	147,688
August 1, 1998 - January 31, 1999	147,688"

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Section F, F.1, Period of Performance, is hereby replaced with the following:

"F.1 PERIOD OF PERFORMANCE (NASA 18-52.212-74) (DEC 1988)

The period of performance of this contract shall be 36 months from the effective date of the contract."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Total	\$16,331,764	\$892,344	\$17,224,108	\$8,943,458

Funding includes \$8,448,421 for cost and \$495,037 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 52	3. EFFECTIVE DATE DEC 12 1997	4. REQUISITION/PURCHASE REQ. NO. GM.4171	5. PROJECT NO. (if applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (if other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
A5160 282-30-02-04 \$1,025,000 (Complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

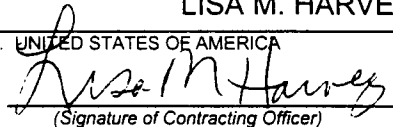
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b) SECTION H, H-3, OPTIONS
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to provide incremental funding in the amount of \$1,025,000. Accordingly, the following changes are hereby made to the contract schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 12/12/97
(Signature of person authorized to sign)			

FILE COPY

A. Incremental Funding in the amount of \$1,025,000 is being provided as follows: funding for cost will be increased by \$955,300; funding for fee will be increased by \$69,700. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

“B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$9,403,721. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through April 30, 1998.
- (b) An additional amount of \$564,737 is obligated under this contract for payment of fee.”

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Total	\$16,331,764	\$892,344	\$17,224,108	\$9,968,458

Funding includes \$9,403,721 for cost and \$564,737 for fee.

OMB Approval #: 2700-0042

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1 CONTRACT ID CODE	PAGE OF PAGES		
	1 1		
2 AMENDMENT/MODIFICATION NO	3 EFFECTIVE DATE	4 REQUISITION/PURCHASE REQ NO	5 PROJECT NO (If applicable)
53	JAN 05 1998	n/a	
6 ISSUED BY	CODE	7 ADMINISTERED BY (If other than item 6)	CODE

National Aeronautics and Space Administration
 Langley Research Center
 Hampton, VA 23681-0001

8 NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)
CODE	FACILITY CODE	2/1/98

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment. (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12 ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b) SECTION H, H-3, OPTIONS
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
x	D. OTHER (Specify type of modification and authority) mutual agreement

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14 DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to update Section I of the contract schedule. Accordingly, the following change is hereby made to the contract schedule:

A. Section I, Contract Clauses by Reference, is hereby revised to update clause 18-52.242-72, Observance of Legal Holidays (AUG 1992), to add Alternate I. Alternate II also remains.

B. All other terms and conditions remain unchanged.

(continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as hereinafter changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	15A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
LENWOOD O. TRAMMELLE, SR VP/CM	LISA M. HARVEY
15B. CONTRACTOR/OFFEROR	15B. UNITED STATES OF AMERICA
	BY
15C. DATE SIGNED	15C. DATE SIGNED
12/22/97	1/5/98
(Signature of person authorized to sign)	(Signature of Contracting Officer)

NSN 7540-01-152-9070
 PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-82)
 Prescribed by GSA
 FAR (48 CFR) 53.243

FILE COPY

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 54	3. EFFECTIVE DATE JAN 15 1998	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
n/a

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b) SECTION H, H-3, OPTIONS
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to update Exhibit E, Register of Wage Determinations and Fringe Benefits, with the most recent version. Accordingly, the following change is hereby made:

A. Exhibit E, dated June 20, 1995, is hereby deleted in its entirety and replaced with the attached Register of Wage Determination dated July 2, 1997.

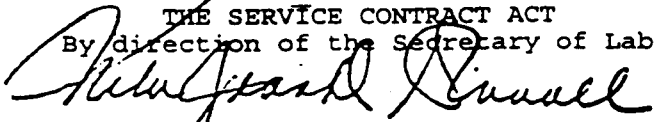
B. All other terms and conditions remain unchanged.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY <i>Lisa M Harvey</i> (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 1/15/98

FILE COPY

REGISTER OF WAGE DETERMINATIONS UNDER
THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor



William W. Gross Division of
Director Wage Determinations

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
WASHINGTON, D.C. 20210

Wage Determination No.: 94-2544
Revision No.: 14
Date of Last Revision: 07/02/1997

State(s): North Carolina, Virginia

Area: NORTH CAROLINA COUNTIES OF CAMDEN, CHOWAN, CURRITUCK, GATES,
PASQUOTANK, PERQUIMANS.
VIRGINIA COUNTIES OF CHESAPEAKE, GLOUCESTER, HAMPTON, ISLE OF WIGHT,
JAMES CITY, MATHEWS, NEWPORT NEWS, NORFOLK, PQQUOSON, PORTSMOUTH,
SOUTHAMPTON, SUFFOLK, SURRY, VIRGINIA BEACH, WILLIAMSBURG, YORK.

** Fringe Benefits Required For All Occupations Included In
This Wage Determination Follow The Occupational Listing **

OCCUPATION CODE AND TITLE

MINIMUM HOURLY WAGE

ADMINISTRATIVE SUPPORT AND CLERICAL:

01011 Accounting Clerk I	\$ 6.75
01012 Accounting Clerk II	\$ 8.52
01013 Accounting Clerk III	\$ 10.60
01014 Accounting Clerk IV	\$ 11.50
01030 Court Reporter	\$ 10.81
01050 Dispatcher, Motor Vehicle	\$ 9.23
01060 Document Preparation Clerk	\$ 9.29
01070 Messenger (Courier)	\$ 9.01
01090 Duplicating Machine Operator	\$ 9.29
01110 Film/Tape Librarian	\$ 9.28
01115 General Clerk I	\$ 7.34
01116 General Clerk II	\$ 9.03
01117 General Clerk III	\$ 11.23
01118 General Clerk IV	\$ 12.55
01120 Housing Referral Assistant	\$ 11.98
01131 Key Entry Operator I	\$ 7.78
01132 Key Entry Operator II	\$ 9.79
01191 Order Clerk I	\$ 7.40
01192 Order Clerk II	\$ 9.68
01261 Personnel Assistant (Employment) I	\$ 8.85
01262 Personnel Assistant (Employment) II	\$ 10.23
01263 Personnel Assistant (Employment) III	\$ 10.80
01264 Personnel Assistant (Employment) IV	\$ 12.38
01270 Production Control Clerk	\$ 11.98
01290 Rental Clerk	\$ 9.28
01300 Scheduler, Maintenance	\$ 9.28
01311 Secretary I	\$ 9.28
01312 Secretary II	\$ 10.80
01313 Secretary III	\$ 12.38
01314 Secretary IV	\$ 14.46
01315 Secretary V	\$ 15.18
01320 Service Order Dispatcher	\$ 9.28
01341 Stenographer I	\$ 8.78
01342 Stenographer II	\$ 9.86

01400 Supply Technician	\$ 11.50
01420 Survey Worker (Interviewer)	\$ 10.80
01460 Switchboard Operator- Receptionist	\$ 8.08
01510 Test Examiner	\$ 10.80
01520 Test Proctor	\$ 10.80
01531 Travel Clerk I	\$ 6.91
01532 Travel Clerk II	\$ 7.63
01533 Travel Clerk III	\$ 8.13
01611 Word Processor I	\$ 10.00
01612 Word Processor II	\$ 11.27
01613 Word Processor III	\$ 12.62

AUTOMATIC DATA PROCESSING:

03010 Computer Data Librarian	\$ 8.26
03041 Computer Operator I	\$ 9.25
03042 Computer Operator II	\$ 10.70
03043 Computer Operator III	\$ 13.25
03044 Computer Operator IV	\$ 15.34
03045 Computer Operator V	\$ 16.31
03071 Computer Programmer I 1/	\$ 13.38
03072 Computer Programmer II 1/	\$ 15.15
03073 Computer Programmer III 1/	\$ 18.05
03074 Computer Programmer IV 1/	\$ 21.52
03101 Computer Systems Analyst I 1/	\$ 17.62
03102 Computer Systems Analyst II 1/	\$ 20.28
03103 Computer Systems Analyst III 1/	\$ 24.98
03160 Peripheral Equipment Operator	\$ 8.26

AUTOMOTIVE SERVICE:

05005 Automobile Body Repairer, Fiberglass	\$ 16.22
05010 Automotive Glass Installer	\$ 14.79
05040 Automotive Worker	\$ 14.79
05070 Electrician, Automotive	\$ 15.49
05100 Mobile Equipment Servicer	\$ 13.37
05130 Motor Equipment Metal Mechanic	\$ 16.22
05160 Motor Equipment Metal Worker	\$ 14.79
05190 Motor Vehicle Mechanic	\$ 16.22
05220 Motor Vehicle Mechanic Helper	\$ 12.61
05250 Motor Vehicle Upholstery Worker	\$ 14.07
05280 Motor Vehicle Wrecker	\$ 14.79
05310 Painter, Automotive	\$ 15.49
05340 Radiator Repair Specialist	\$ 14.07
05370 Tire Repairer	\$ 13.37
05400 Transmission Repair Specialist	\$ 16.22

FOOD PREPARATION AND SERVICE:

07010 Baker	\$ 8.68
07041 Cook I	\$ 7.85
07042 Cook II	\$ 8.68
07070 Dishwasher	\$ 6.05
07100 Food Service Worker (Cafeteria Worker)	\$ 6.05
07130 Meat Cutter	\$ 8.68
07250 Waiter/Waitress	\$ 6.58

FURNITURE MAINTENANCE AND REPAIR:

09010 Electrostatic Spray Painter	\$ 15.49
09040 Furniture Handler	\$ 11.21
09070 Furniture Refinisher	\$ 15.49
09100 Furniture Refinisher Helper	\$ 12.61
09110 Furniture Repairer, Minor	\$ 14.07
09130 Upholsterer	\$ 15.49

GENERAL SERVICES AND SUPPORT:

11030 Cleaner, Vehicles	\$ 6.05
11060 Elevator Operator	\$ 6.05
11090 Gardener	\$ 7.75
11121 Housekeeping Aide I	\$ 5.93
11122 Housekeeping Aide II	\$ 6.49
11150 Janitor	\$ 6.05
11210 Laborer, Grounds Maintenance	\$ 6.58
11240 Maid or Houseman	\$ 5.52
11270 Pest Controller	\$ 8.25
11300 Refuse Collector	\$ 6.05
11330 Tractor Operator	\$ 7.38
11360 Window Cleaner	\$ 6.58

HEALTH:

12020 Dental Assistant	\$ 10.05
12040 Emergency Medical Technician/ Paramedic Ambulance Driver	\$ 9.13
12071 Licensed Practical Nurse I	\$ 8.00
12072 Licensed Practical Nurse II	\$ 8.98
12073 Licensed Practical Nurse III	\$ 10.05
12100 Medical Assistant	\$ 8.98
12130 Medical Laboratory Technician	\$ 8.98
12160 Medical Record Clerk	\$ 8.98
12190 Medical Record Technician	\$ 12.45
12221 Nursing Assistant I	\$ 6.52
12222 Nursing Assistant II	\$ 7.33
12223 Nursing Assistant III	\$ 8.00
12224 Nursing Assistant IV	\$ 8.98
12250 Pharmacy Technician	\$ 11.20
12280 Phlebotomist	\$ 8.98
12311 Registered Nurse I	\$ 12.45
12312 Registered Nurse II	\$ 15.23
12313 Registered Nurse II, Specialist	\$ 15.23
12314 Registered Nurse III	\$ 18.43
12315 Registered Nurse III, Anesthetist	\$ 18.43
12316 Registered Nurse IV	\$ 22.09

INFORMATION AND ARTS:

13002 Audiovisual Librarian	\$ 11.96
13011 Exhibits Specialist I	\$ 15.02
13012 Exhibits Specialist II	\$ 18.25
13013 Exhibits Specialist III	\$ 20.27
13041 Illustrator I	\$ 15.02
13042 Illustrator II	\$ 18.25
13043 Illustrator III	\$ 20.27
13047 Librarian	\$ 13.75
13050 Library Technician	\$ 11.02
13071 Photographer I	\$ 11.33

13072 Photographer II	\$ 15.02
13073 Photographer III	\$ 18.25
13074 Photographer IV	\$ 20.27
13075 Photographer V	\$ 24.53

LAUNDRY, DRY CLEANING, PRESSING:

15010 Assembler	\$ 5.49
15030 Counter Attendant	\$ 5.49
15040 Dry Cleaner	\$ 6.77
15070 Finisher, Flatwork, Machine	\$ 5.49
15090 Presser, Hand	\$ 5.49
15100 Presser, Machine, Dry Cleaning	\$ 5.49
15130 Presser, Machine, Shirts	\$ 5.49
15160 Presser, Machine, Wearing Apparel, Laundry	\$ 5.49
15190 Sewing Machine Operator	\$ 7.22
15220 Tailor	\$ 7.67
15250 Washer, Machine	\$ 5.93

MACHINE TOOL OPERATION AND REPAIR:

19010 Machine-tool Operator (Toolroom)	\$ 15.49
19040 Tool and Die Maker	\$ 17.84

MATERIALS HANDLING AND PACKING:

21010 Fuel Distribution System Operator	\$ 13.37
21020 Material Coordinator	\$ 12.19
21030 Material Expediter	\$ 12.19
21040 Material Handling Laborer	\$ 7.44
21050 Order Filler	\$ 8.46
21071 Forklift Operator	\$ 9.05
21080 Production Line Worker (Food Processing)	\$ 10.54
21100 Shipping/Receiving Clerk	\$ 8.85
21130 Shipping Packer	\$ 8.85
21140 Store Worker I	\$ 8.40
21150 Stock Clerk (Shelf Stocker; Store Worker II)	\$ 9.92
21210 Tools and Parts Attendant	\$ 10.95
21400 Warehouse Specialist	\$ 10.54

MECHANICS AND MAINTENANCE AND REPAIR:

23010 Aircraft Mechanic	\$ 16.22
23040 Aircraft Mechanic Helper	\$ 12.61
23050 Aircraft Quality Control Inspector	\$ 16.94
23060 Aircraft Servicer	\$ 14.07
23070 Aircraft Worker	\$ 14.79
23100 Appliance Mechanic	\$ 15.49
23120 Bicycle Repairer	\$ 13.37
23125 Cable Splicer	\$ 16.22
23130 Carpenter, Maintenance	\$ 15.49
23140 Carpet Layer	\$ 14.79
23160 Electrician, Maintenance	\$ 16.22
23181 Electronics Technician, Maintenance I	\$ 13.99
23182 Electronics Technician, Maintenance II	\$ 14.31

23183 Electronics Technician, Maintenance III	\$ 15.33
23260 Fabric Worker	\$ 14.07
23290 Fire Alarm System Mechanic	\$ 16.22
23310 Fire Extinguisher Repairer	\$ 13.37
23340 Fuel Distribution System Mechanic	\$ 16.22
23370 General Maintenance Worker	\$ 14.79
23400 Heating, Refrigeration and Air Conditioning Mechanic	\$ 16.22
23430 Heavy Equipment Mechanic	\$ 16.22
23440 Heavy Equipment Operator	\$ 16.22
23460 Instrument Mechanic	\$ 16.22
23470 Laborer	\$ 9.68
23500 Locksmith	\$ 15.49
23530 Machinery Maintenance Mechanic	\$ 16.18
23550 Machinist, Maintenance	\$ 16.22
23580 Maintenance Trades Helper	\$ 12.61
23640 Millwright	\$ 16.22
23700 Office Appliance Repairer	\$ 15.49
23740 Painter, Aircraft	\$ 15.49
23760 Painter, Maintenance	\$ 15.49
23790 Pipefitter, Maintenance	\$ 16.22
23800 Plumber, Maintenance	\$ 15.49
23820 Pneudraulic Systems Mechanic	\$ 16.22
23850 Rigger	\$ 16.22
23870 Scale Mechanic	\$ 14.79
23890 Sheet-metal Worker, Maintenance	\$ 16.22
23910 Small Engine Mechanic	\$ 14.79
23930 Telecommunications Mechanic I	\$ 16.22
23931 Telecommunications Mechanic II	\$ 16.94
23950 Telephone Lineman	\$ 16.22
23960 Welder, Combination, Maintenance	\$ 16.22
23965 Well Driller	\$ 16.22
23970 Woodcraft Worker	\$ 16.22
23980 Woodworker	\$ 13.37

PERSONAL NEEDS:

24570 Child Care Attendant	\$ 6.34
24580 Child Care Center Clerk	\$ 7.91
24600 Chore Aide	\$ 4.91
24630 Homemaker	\$ 8.33

PLANT AND SYSTEM OPERATION:

25010 Boiler Tender	\$ 16.22
25040 Sewage Plant Operator	\$ 15.49
25070 Stationary Engineer	\$ 16.22
25190 Ventilation Equipment Tender	\$ 12.61
25210 Water Treatment Plant Operator	\$ 15.49

PROTECTIVE SERVICE:

27004 Alarm Monitor	\$ 7.21
27006 Corrections Officer	\$ 11.47
27010 Court Security Officer	\$ 11.47
27040 Detention Officer	\$ 11.47
27070 Firefighter	\$ 11.47
27101 Guard I	\$ 6.03
27102 Guard II	\$ 7.21
27130 Police Officer	\$ 12.28

STEVEDORING/LONGSHOREMEN SERVICE OCCUPATIONS:

28010 Blocker and Bracer .	\$ 12.33
28020 Hatch Tender	\$ 12.33
28030 Line Handler	\$ 12.33
28040 Stevedore I	\$ 11.80
28050 Stevedore II	\$ 12.96

TECHNICAL:

29010 Air Traffic Control 2/ Specialist, Center	\$ 23.96
29011 Air Traffic Control 2/ Specialist, Station	\$ 16.53
29012 Air Traffic Control 2/ Specialist, Terminal	\$ 18.20
29023 Archeological Technician I	\$ 11.43
29024 Archeological Technician II	\$ 12.85
29025 Archeological Technician III	\$ 15.87
29030 Cartographic Technician	\$ 15.87
29035 Computer Based Training Specialist/Instructor	\$ 17.62
29040 Civil Engineering Technician	\$ 15.87
29061 Drafter I	\$ 10.07
29062 Drafter II	\$ 11.33
29063 Drafter III	\$ 14.24
29064 Drafter IV	\$ 17.30
29081 Engineering Technician I	\$ 11.50
29082 Engineering Technician II	\$ 12.30
29083 Engineering Technician III	\$ 15.15
29084 Engineering Technician IV	\$ 18.35
29085 Engineering Technician V	\$ 21.43
29086 Engineering Technician VI	\$ 26.48
29090 Environmental Technician	\$ 15.87
29100 Flight Simulator/Instructor (Pilot)	\$ 20.28
29150 Graphic Artist	\$ 17.62
29160 Instructor	\$ 15.23
29210 Laboratory Technician	\$ 11.83
29240 Mathematical Technician	\$ 15.87
29361 Paralegal/Legal Assistant I	\$ 10.80
29362 Paralegal/Legal Assistant II	\$ 13.12
29363 Paralegal/Legal Assistant III	\$ 16.05
29364 Paralegal/Legal Assistant IV	\$ 19.42
29390 Photooptics Technician	\$ 15.87
29480 Technical Writer	\$ 15.02
29491 Unexploded Ordnance Technician I	\$ 15.23
29492 Unexploded Ordnance Technician II	\$ 18.43
29493 Unexploded Ordnance Technician III	\$ 22.09
29494 Unexploded Safety Escort	\$ 15.23
29495 Unexploded Sweep Personnel	\$ 15.23
29620 Weather Observer, Senior 3/	\$ 12.80
29621 Weather Observer, Combined 3/ Upper Air and Surface Programs	\$ 11.83
29622 Weather Observer, Upper Air 3/	\$ 11.83

**TRANSPORTATION/MOBILE EQUIPMENT
OPERATION:**

31030 Bus Driver	\$ 9.42
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31260	Parking and Lot Attendant	\$ 6.98
31290	Shuttle Bus Driver	\$ 9.01
31300	Taxi Driver	\$ 8.50
31361	Truckdriver, Light Truck	\$ 9.01
31362	Truckdriver, Medium Truck	\$ 9.42
31363	Truckdriver, Heavy Truck	\$ 10.50
36364	Truckdriver, Tractor-Trailer	\$ 10.50

MISCELLANEOUS:

99020	Animal Caretaker	\$ 7.00
99030	Cashier	\$ 5.93
99041	Carnival Equipment Operator	\$ 7.38
99042	Carnival Equipment Repairer	\$ 7.75
99043	Carnival Worker	\$ 6.05
99050	Desk Clerk	\$ 7.00
99095	Embalmer	\$ 17.63
99300	Lifeguard	\$ 5.36
99310	Mortician	\$ 17.63
99350	Park Attendant (Aide)	\$ 6.73
99400	Photofinishing Worker (Photo Lab / Dark Room Technician)	\$ 6.01
99500	Recreation Specialist	\$ 13.04
99510	Recycling Worker	\$ 7.41
99610	Sales Clerk	\$ 5.36
99620	School Crossing Guard (Cross- walk Attendant)	\$ 6.05
99630	Sports Official	\$ 5.36
99658	Survey Party Chief	\$ 7.85
99659	Surveying Technician	\$ 7.50
99660	Surveying Aide	\$ 4.91
99690	Swimming Pool Operator	\$ 8.68
99720	Vending Machine Attendant	\$ 7.41
99730	Vending Machine Repairer	\$ 8.68
99740	Vending Machine Repairer Helper	\$ 7.41

**** Fringe Benefits Required For All Occupations Included In
This Wage Determination ****

HEALTH & WELFARE: Life, accident, and health insurance plans, sick leave, pension plans, civic and personal leave, severance pay, and savings and thrift plans. Minimum employer contributions costing an average of \$2.56 per hour computed on the basis of all hours worked by service employees employed on the contract.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 8 years; 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with predecessor contractors in the performance of similar work at the same Federal facility. (See 29 CFR 4.173)

HOLIDAYS: Minimum of ten paid holidays per year: New Year's Day, Martin Luther King Jr.'s Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with

a plan communicated to the employees involved.) (See 29 CFR 4.174)

1/

Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See 29 CFR 4.156)

2/

APPLICABLE TO AIR TRAFFIC CONTROLLERS ONLY - NIGHT DIFFERENTIAL: An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.

3/

APPLICABLE TO WEATHER OBSERVERS ONLY - NIGHT PAY & SUNDAY PAY: If you work at night as a part of a regular tour of duty, you will earn a NIGHT DIFFERENTIAL and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employee (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

**** UNIFORM ALLOWANCE ****

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$4.25 per week (or \$.85 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Titles and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth

Edition, January 1993, as amended by the Second Supplement, dated August 1995, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE
{Standard Form 1444 (SF 1444)}

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. {See Section 4.6 (C) (vi)} When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour decision to the contractor.
- 6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

OMB Approval # 2700-0042

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2 AMENDMENT/MODIFICATION NO. 55 3 EFFECTIVE DATE JAN 27 1998 4 REQUISITION/PURCHASE REQ NO. HB.1257 5 PROJECT NO. (if applicable)

6 ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001

7 ADMINISTERED BY (if other than item 6) CODE

3 NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102

9A AMENDMENT OF SOLICITATION NO (x) 9B DATED (SEE ITEM 11) 10A MODIFICATION OF CONTRACT/ORDER NO x NAS1-20650 10B DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 3 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12 ACCOUNTING AND APPROPRIATION DATA (if required) A5598 283-10-25-80 \$28,000 complete

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b) SECTION H, H-3, OPTIONS C THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF D OTHER (Specify type of modification and authority) x mutual agreement

E. IMPORTANT: Contractor is not, [X] is required to sign this document and return 3 copies to the issuing office.

14 DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible) The purpose of this modification is to decrease the estimated cost and award fee as a result of a definitized change order being cancelled. As a matter of convenience, incremental funding is also being provided. Accordingly, the following changes are hereby made:

15A NAME AND TITLE OF SIGNER (Type or print) LENWOOD O. TRAMMELLE, JR., SR VP/GM 15B CONTRACTOR/OFFICER (Signature of person authorized to sign) 15C DATE SIGNED 1/27/98 15A NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY 15B UNITED STATES OF AMERICA BY (Signature of Contracting Officer) 15C DATE SIGNED 2/2/98

FILE COPY

A. Section B, B.2, is revised to decrease cost by \$65,462 from \$16,331,764 to \$16,266,302 and the award fee available is decreased by \$3,287 from \$892,344 to \$889,057. Award fee available for the fourth period is \$172,141 and is revised as follows:

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$16,266,302 exclusive of the award fee of \$889,057 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$17,155,359.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000
August 1, 1996 - January 31, 1997	90,000
February 1, 1997 - July 31, 1997	155,772
August 1, 1997 - January 31, 1998	172,141
February 1, 1998 - July 31, 1998	147,688
August 1, 1998 - January 31, 1999	147,688"

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Incremental Funding in the amount of \$28,000 is being provided as follows: funding for cost will be increased by \$26,320; funding for fee will be increased by \$1,680. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$9,430,041. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through April 30, 1998.

(b) An additional amount of \$566,417 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000

Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	-65,462	-3,287	-68,749	28,000
Total	\$16,266,302	\$889,057	\$17,155,359	\$9,996,458

Funding includes \$9,430,041 for cost and \$566,417 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	5/24/96
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	4/15/96
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	\$10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	8/31/96
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	12/15/96
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	cancelled
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	09/08/96
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	10/15/96
HA003	344,907	17,616	\$362,523	364,382	Mod. 34	10/24/97
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	7/11/97
GM003	303,302	12,518	\$315,820	250,000	n/a	8/27/97
HB002.01	21,853	1,046	\$22,899	22,899	n/a	9/16/97
AF010	1,295	78	\$1,373	1,373	Mod. 39	cancelled
AF011	2,643	159	\$2,802	2,802	Mod. 39	cancelled
AF012	199,302	8,757	208,059	180,000	Mod. 41	10/28/97
HB002.02	13,560	590	14,150	14,150	n/a	9/30/97
AF006	61,669	3,071	64,740	62,746	Mod. 26	cancelled
AF009	187,847	8,049	195,895	182,681	Mod. 26	8/18/97
GMG001.02	744,314	31,467	775,781	762,018	Mod. 26	9/15/97
GMG002	28,507	1413	29,920	275,000	Mod. 26	cancelled
HB002.03	11,412	312	11,724	58,902	n/a	2/23/98
Total	\$3,696,892	\$162,692	\$3,859,583	\$4,013,400		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 56	3. EFFECTIVE DATE FEB 18 1998	4. REQUISITION/PURCHASE REQ. NO. GM.4181/HB.1259	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
GM.4181/A5487/282-30-02-14/\$200,000 complete and HB.1259/R233349/505-90-28-24/\$172,700 complete

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b) SECTION H, H-3, OPTIONS
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to provide incremental funding in the amount of \$372,700. Accordingly, the following changes are hereby made:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Lisa M. Harvey</i> (Signature of Contracting Officer)	16C. DATE SIGNED <i>2/18/98</i>
(Signature of person authorized to sign)			

FILE COPY

A. Incremental Funding in the amount of \$372,700 is being provided as follows: funding for cost will be increased by \$347,356; funding for fee will be increased by \$25,344. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

"B.3 Contract Funding (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$9,777,397. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through April 30, 1998.

(b) An additional amount of \$591,761 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	-65,462	-3,287	-68,749	28,000
Mod. 56	0	0	0	372,700
Total	\$16,266,302	\$889,057	\$17,155,359	\$10,369,158

Funding includes \$9,777,397 for cost and \$591,761 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Completion Date
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	3/1/96
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	3/29/96
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	5/24/96
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	4/15/96
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	5/24/96
I001.00	10,460	420	\$10,880	10,880	Mod. 15	3/31/96
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	7/31/96
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	8/31/96
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	10/30/96
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	9/30/96
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	9/03/96
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	11/04/96
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	12/15/96
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	cancelled
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	01/31/97
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	11/04/96
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	09/08/96
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	10/15/96
HA003	344,907	17,616	\$362,523	364,382	Mod. 34	10/24/97
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	7/11/97
GM003	303,302	12,518	\$315,820	250,000	n/a	8/27/97
HB002.01	21,853	1,046	\$22,899	22,899	n/a	9/16/97
AF010	1,295	78	\$1,373	1,373	Mod. 39	cancelled
AF011	2,643	159	\$2,802	2,802	Mod. 39	cancelled
AF012	199,302	8,757	208,059	180,000	Mod. 41	10/28/97
HB002.02	13,560	590	14,150	14,150	n/a	9/30/97
AF006	61,669	3,071	64,740	62,746	Mod. 26	cancelled
AF009	187,847	8,049	195,895	182,681	Mod. 26	8/18/97
GMG001.02	744,314	31,467	775,781	762,018	Mod. 26	9/15/97
GMG002	28,507	1413	29,920	275,000	Mod. 26	cancelled
HB002.03	11,412	312	11,724	58,902	n/a	2/23/98
GM003.01	TBD			200,000	n/a	
HA003.01	TBD			172,700	n/a	
Total	\$3,696,892	\$162,692	\$3,859,583	\$4,386,100		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 57	3. EFFECTIVE DATE APR 09 1998	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
n/a

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2, Changes, Cost Reimbursement (AUG 1987) Alternate II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

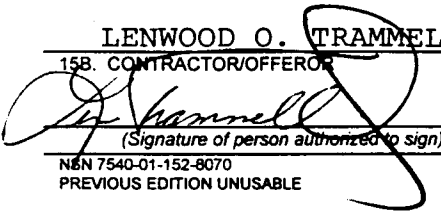
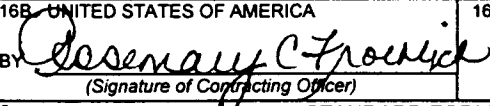
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to (a) revise the Statement of Work, as follows:

- (1) Section 1.1, is revised to reflect the consolidation of the central mainframes which are now located at Marshall Space Flight Center (MSFC) in lieu of Langley Research Center (LaRC);
- (2) Section 2.1, is revised to reflect the on-site move of the Central Business and Administrative Computer Center (CBACC) from Bldg. 1152 to B-1268;
- (3) Section 3.4, is revised to reflect the change in storage procedures as a result of the consolidation; and

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) LENWOOD O. TRAMMELLE, JR., SR VP/GM		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) ROSEMARY C. FROELICH	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 03/30/98	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 4-9-98

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(4) List of Attachments, Exhibits C-2 and C-3 are being revised to reflect the current inventory as a result of the MSFC consolidation as stated above. Exhibit D is revised to reflect the increased number of application portfolios that require management. At contract award, there were 51 programs listed. There are currently 67;

and (b) decrease the estimated cost (\$333,831) and award fee (\$13,353) of the contract as a full and complete equitable adjustment for the changes itemized above as well as the following changes made in previous modifications:

- (1) Modification No. 27 which revised the SOW to reflect the deletion of the disaster recovery hot site; and
- (2) Modification No. 35 which revised the SOW to reflect that supplies were to be ordered direct in lieu of being ordered from the NASA stockroom.

In addition, award fee is also decreased by \$121,149 which reflects the amount of unearned fee from previous periods which is no longer available. Accordingly, the following changes are hereby made:

A. Section B, B.2, is revised to decrease cost by \$333,831 from \$16,266,302 to \$15,932,471 and the award fee available is decreased by \$134,502 from \$889,057 to \$754,555. In addition, the award fee earned for the fourth period is decreased by \$70,828 from \$172,141 to \$101,313. Award fee for the fifth period is increased by \$20,170 from \$147,688 to \$167,858.

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$15,932,471 exclusive of the award fee of \$754,555 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$16,687,026.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000 (earned)
August 1, 1996 - January 31, 1997	90,000 (earned)
February 1, 1997 - July 31, 1997	155,772 (earned)
August 1, 1997 - January 31, 1998	101,313 (earned)
February 1, 1998 - July 31, 1998	167,858
August 1, 1998 - January 31, 1999	143,612“

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Paragraph H.12, Options, Paragraphs A. and B. are deleted in their entirety and replaced with the following which reflects the revised contract values:

"A. First through Fourth Option Periods

<u>Item</u>	<u>First Option Period</u>	<u>Second Option Period</u>	<u>Third Option Period</u>	<u>Fourth Option Period</u>
Period of Performance (Ref. F.1)	12 months	12 months	12 months	12 months
Estimated Cost (Ref. B.2.A)	\$5,606,904	\$4,903,510	\$4,975,391	\$4,301,707
Award Fee (Ref. B.2.A)	\$ 330,938	\$ 311,470	\$ 286,677	\$ 246,184
Award Fee Availability (Ref. B.2.B)				
2/1/97 - 7/30/97	\$ 188,244			
8/1/97 - 1/31/98	\$ 142,694			
2/1/98 - 7/30/98		\$ 167,858		
8/1/98 - 1/31/99		\$ 143,612		
2/1/99 - 7/30/99			\$ 143,339	
8/1/99 - 1/31/00			\$ 143,339	
2/1/00 - 7/30/00				\$ 123,092
8/1/00 - 1/31/01				\$ 123,092

B. Fifth through Tenth Option Periods

	<u>Fifth Option Period</u>	<u>Sixth Option Period</u>	<u>Seventh Option Period</u>	<u>Eighth Option Period</u>	<u>Ninth Option Period</u>	<u>Tenth Option Period</u>
Period of Performance (Ref. F.1)	1 month	1 month	1 month	1 month	1 month	1 month
Estimated Cost (Ref. B.2.A)	\$357,600	\$357,600	\$357,600	\$357,600	\$357,600	\$357,600
Fixed Fee (Ref. B.2.A)	\$ 18,663	\$ 18,663	\$ 18,663	\$ 18,663	\$ 18,663	\$ 18,663"

C. Section J, List of Attachments, Exhibit A, Statement of Work, is revised as follows:

Section 1.1, Introduction, first sentence, is revised to delete the words "Management Information Systems Branch (MISB) to "Information Management Branch."

Section 1.1, second paragraph, second sentence, is deleted in its entirety and replaced with the following:

"BAMIS applications software runs on central mainframes (host based applications) located at Marshall Space Flight Center and on distributed computers both in the CBACC and located remotely (distributed applications).

Section 2.1, Facilities, first sentence is revised to delete "The on-site CBACC (in Langley Bldg. 1152) . . ." to "The on-site CBACC (in Langley Bldg. 1268) . . ."

Section 3.4, Storage Media Libraries, is deleted in its entirety and replaced with the following:

"The Contractor shall manage the media libraries for all equipment resident in the on-site CBACC. This includes archival of media for backup purposes and providing off-site storage for the back-up media."

Section 5.0, Systems Administration, is revised to add the words "located at NASA Langley Research Center" to the end of the first sentence. In addition, change "Exhibit C" in the last sentence of the first paragraph to "Exhibit C-3."

Section 5.1, Operating System Software Maintenance, third paragraph, last line, is revised to read "listed in Exhibit C-3" rather than "listed in Exhibit C."

Section J, List of Attachments, is revised as follows:

Exhibit C-2, Hardware Maintenance Baseline, Exhibit C-3, Software Products Baseline, and Exhibit D, Langley Applications Portfolio, are hereby deleted in their entirety and are replaced by the attached Exhibits C-2 and C-3.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Total	\$15,932,471	\$754,555	\$16,687,026	\$10,369,158

Funding includes \$9,777,397 for cost and \$591,761 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 58	3. EFFECTIVE DATE 3/17/98	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

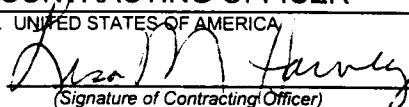
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 18-52.216-76 Award Fee for Service Contracts (SEP 1993)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is revise the award fee available for the fourth award fee period to reflect the amount earned as determined by the Government. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY CONTRACTING OFFICER		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 3/17/98
(Signature of person authorized to sign)			

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Section B., B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE, Paragraph B, the award fee available for the fourth award fee period is \$101,313 and is shown below:

"B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$96,000
August 1, 1996 - January 31, 1997	\$90,000
February 1, 1997 - July 31, 1997	\$155,772
August 1, 1997 - January 31, 1998	\$101,313"

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 8
2. AMENDMENT/MODIFICATION NO. 59	3. EFFECTIVE DATE APR 09 1998	4. REQUISITION/PURCHASE REQ. NO. GM.4190	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
A5160/282-30-02-04/\$1,025,000 (Complete)

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2, Changes, Cost Reimbursement (AUG 1987) Alternate II (APR 1984)
	D. OTHER (Specify type of modification and authority)

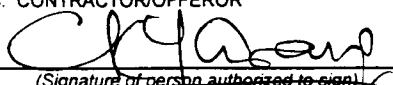
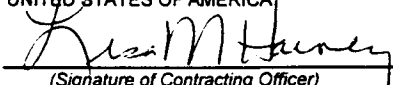
E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause as a result of the specification being changed. In addition, as a matter of convenience, incremental funding is also being added to the contract. Accordingly, the following changes are hereby made to the Contract Schedule.

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) CHARLES K. NARANG, PRESIDENT		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 04/08/98	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 4/9/98

FILE COPY

A. Section B, B.2, is revised to increase cost by \$167,018 from \$15,932,471 to \$16,099,489 and the award fee available is increased by \$8,973 from \$754,555 to \$763,528. In addition, the award fee for the fifth period is increased by \$8,973 from \$167,858 to \$176,831.

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$16,099,489 exclusive of the award fee of \$763,528 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$16,863,017.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000 (earned)
August 1, 1996 - January 31, 1997	90,000 (earned)
February 1, 1997 - July 31, 1997	155,772 (earned)
August 1, 1997 - January 31, 1998	101,313 (earned)
February 1, 1998 - July 31, 1998	176,831
August 1, 1998 - January 31, 1999	143,612”

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Incremental Funding in the amount of \$1,025,000 is being provided as follows: funding for cost will be increased by \$996,845; funding for fee will be increased by \$28,155. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

“B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$10,774,242. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through June 25, 1998.

(b) An additional amount of \$619,916 is obligated under this contract for payment of fee.”

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Mod. 58	0	0	0	0
Mod. 59	167,018	8,973	175,991	1,025,000
Total	\$16,099,489	\$763,528	\$16,863,017	\$11,394,158

Funding includes \$10,774,242 for cost and \$619,916 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Status
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	Complete
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	Complete
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	Complete
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	Complete
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	Complete
I001.00	10,460	420	\$10,880	10,880	Mod. 15	Complete
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	Complete
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	Complete
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	Complete
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	Complete
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	Complete
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	Complete
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	Complete
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	cancelled
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	Complete
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	Complete
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	Complete
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	Complete
HA003	344,907	17,616	\$362,523	362,523	Mod. 34	Complete
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	Complete
GM003	303,302	12,518	\$315,820	300,000	n/a	Complete
HB002.01	21,853	1,046	\$22,899	22,899	n/a	Complete
AF010	1,295	78	\$1,373	1,373	Mod. 39	cancelled
AF011	2,643	159	\$2,802	2,802	Mod. 39	cancelled
AF012	199,302	8,757	\$208,059	180,000	Mod. 41	Active
HB002.02	13,560	590	\$14,150	14,150	n/a	Complete
AF006	61,669	3,071	\$64,740	62,746	Mod. 26	cancelled
AF009	187,847	8,049	\$195,896	182,681	Mod. 26	Active
GMG001.02	744,314	31,467	\$775,781	762,018	Mod. 26	Complete
GMG002	28,507	1413	\$29,920	30,450	Mod. 26	cancelled
HB002.03	11,412	312	\$11,724	58,902	n/a	Active
GM003.01	TBD			200,000	n/a	pending
HA003.01	167,018	8,973	\$175,991	174,559	n/a	Active
			\$ 0			
			\$ 0			
			\$ 0			
			\$ 0			
			\$ 0			
			\$ 0			
			\$ 0			
Total	\$3,863,910	\$171,665	\$4,035,575	\$4,191,550		

EXHIBIT G, JOB DESCRIPTION DOCUMENTS

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Bank Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97
GM003	Center Information Management Architecture	5-29-97
HB002.01	Management Information System for Lead Center	6-16-97
HB002.02	Management Information System for Lead Center	8-13-97
HB002.03	Management Information System for Lead Center	12-8-97
HA003.01	Bank Card Reconciliation System Phase II, Rev. 1	4-3-98

JOB DESCRIPTION DOCUMENT FOR BAMIS CONTRACT NAS1-20650

JDD # HA003.01

Title: Bank Card Reconciliation System

LaRC Point of Contact:

Jimmy H. Wilson, Head, X42077

Financial Systems and Quality Management Office, FMD Mail Stop 136

Scope: This JDD provides the enhancements to the Bank Card Reconciliation System (BCRS) and the development of the on-line Buy Sheet that will link to BCRS. The prioritization of the enhancements/development is as follows:

- 1) BCRS Enhancements
- 2) On-line Buy Sheet
- 3) OP Buyer

General Requirements: Modify and implement BCRS as stated in the approved 1/29/98 Functional Requirement Document.

Specific Requirement: The contractor will schedule weekly meetings with the Bank Card Team. Meetings will include but not be limited to:

Effort expended on BCRS during the past week. Status must be shown as percentage complete to date for each milestone.

Problems encountered and the impacts of those problems

Decisions made by contractor that were not detailed in the JDD

Demonstration of conformance of the system to Functional Requirements (on-going review)

Demonstrate the prototype screens as they are developed (on-going review)

Provide copy of the testing checklist.

Milestones may be revised based on a phased implementation. The System Acceptance Testing (SAT) will be aligned with the phased implementation dates.

Metric:

- Delivery of the Training Plan document, which identifies the training, provides the proposed schedule, and is presented in the AIM standard format.
- Delivery of the updated User Guides, which document and explain the purpose and provide step-by-step instructions using, among other things, screen graphics.
- Providing training, which presents an overview of the system, presents the functionality of the on-line-system using the User Guide, allows time for questions and answers. These training sessions will demonstrate how to access and use the system enhancements and buy sheet module.

- The performance of the system during acceptance testing will be demonstrated to be in conformance with the approved Functional Requirements.
- Completion of all work within the negotiated schedule.
- Completion of all work within the cost schedule.
- For any new development or enhancements, the on-line response time shall not exceed 3 sec 80% of the time and shall not exceed 4.5 sec 95% of the time. Response time is defined as the amount of that elapses from when the customer submits a call to the database and the response to that customer is fully and completely displayed on the customer's client machine.

Response time on a Web application is dependent upon a number of factors. Among them are:

1. The configuration of the client workstation.
2. The configuration of the server hosting the database.
3. The time required from depression of the [Enter] key on the workstation to the initiation of the submission of a call to the database.
4. Transmission of data from the workstation to the server hosting the database.
5. Database processing of the transaction.
6. Transmission of data from the server to the workstation.
7. Workstation screen repaint upon receipt of data from the server.

Not all of these factors are under the control of the Bank Card Reconciliation System. If a response time problem is encountered while using the system, it will be necessary to investigate all the potential sources for the delay and then take appropriate corrective action.

Milestones:

Begin Prototype Review of FRD 5.0 The first Prototype Review will demonstrate some, but not all, of the requirements listed in FRD 5.0.	February 27, 1998
Submit Draft Training Plan Document	June 8, 1998
Submit Final Training Plan Document	June 17, 1998
Submit Draft User Guide Document	July 13, 1998
Submit Final User Guide Document	July 24 , 1998
Submit Draft HTML Enhancement Document	July 13, 1998
Submit Final HTML Enhancement Document	July 24, 1998
Submit Draft System Documentation	September 14, 1998
Submit Final System Documentation	September 30, 1998

Bank Card Reconciliation System installed and available for acceptance testing

July 13, 1998

Complete Training Overview Sessions

July 31, 1998

Bank Card Reconciliation System installed and available for production use*

August 3, 1998

Conduct OP Buyer Training

August 17 - 21, 1998

Update Training Video

September 30, 1998

*The production certification of the system may be delayed three (3) or more weeks if the system is developed on a Unix/AIX platform then moved and recompiled on a Sun/Solaris platform. The additional time will be needed to perform a complete integrated system test on the Sun/Solaris platform. The system will be unavailable to the cardholders and approving officials during this testing, so the reconciliation schedule must be taken into consideration.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 60	3. EFFECTIVE DATE APR 09 1998	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) MUTUAL AGREEMENT

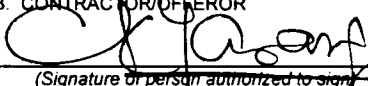
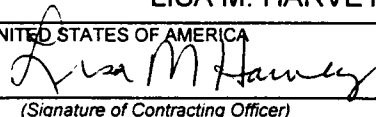
E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to incorporate ceilings on indirect rates. Accordingly, Section H. will be revised as follows:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) CHARLES K. NARANG, PRESIDENT		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 04/08/98	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 4/9/98

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

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A. Section H, Special Contract Requirements, is revised to add Paragraph H.13, Advanced Agreement on Indirect Rates (LaRC 52.231-90) (JUN 1988) as follows:

“H.13, Advanced Agreement on Indirect Rates (LaRC 52.231-90) (JUN 1988)

A. Notwithstanding the provisions of the Section I clause entitled "Allowable Cost and Payment," the Contractor will be reimbursed at the indirect ceiling rates specified below or the actual rates, whichever are less, for each of the Contractor's fiscal years applicable to this contract. The Contractor's fiscal year is January 1 through December 31. Any costs that are not reimbursed due to the ceilings shall be deemed unallowable costs. These unallowable costs shall not be recovered under this or any other Government contract.

Indirect Cost Pool	Ceiling Percentage Calendar Year			Allocation Base
	1996	1997	1998	
Overhead & Fringe	[REDACTED]	[REDACTED]	[REDACTED]	Direct Labor NCI Site Direct Labor Labor, Overhead, Facilities O/H, Travel, Other ODC's, Mat Hndling Subcontracts, Equipment, Materials (supplies)
Facilities	[REDACTED]	[REDACTED]	[REDACTED]	
General & Admin.	[REDACTED]	[REDACTED]	[REDACTED]	
Material Handling	[REDACTED]	[REDACTED]	[REDACTED]	

B. The above rate ceilings are predicated upon the bases listed above and the accounting practices and accounting system in effect on January 1, 1996, January 1, 1997, and January 1 1998. If the Contractor changes its accounting practices or accounting system in any way, the Contractor will immediately notify the Government. Within 30 days of such change, the Contractor shall present to the Contracting Officer information that demonstrates that the change will not impact the allowable cost computed using the above rates or shall submit a proposal for adjustment of the ceilings so that the total costs allowable will not exceed the total costs that would have been allowable had the Contractor not changed its accounting practices or accounting system. In the event that the parties cannot agree on new ceilings using the Contractor's new accounting practices or system and the Contractor does not agree to return to the previous accounting practices and system, the Contracting Officer may equitably adjust the ceilings.”

B. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE: _____ PAGE OF PAGES: 1 / 4
 2. AMENDMENT/MODIFICATION NO.: 61
 3. EFFECTIVE DATE: APR 28 1998
 4. REQUISITION/PURCHASE REQ. NO.: n/a
 5. PROJECT NO. (If applicable): _____

6. ISSUED BY: National Aeronautics and Space Administration
 Langley Research Center
 Hampton, VA 23681-0001
 7. ADMINISTERED BY (If other than Item 6): _____

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code):
 NCI Information Systems, Inc.
 8260 Greensboro Drive, Suite 400
 McLean, VA 22102
 9A. AMENDMENT OF SOLICITATION NO.: _____
 9B. DATED (SEE ITEM 11): _____
 10A. MODIFICATION OF CONTRACT/ORDER NO.: NAS1-20650
 10B. DATED (SEE ITEM 13): 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required): n/a

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
 B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
 C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
 D. OTHER (Specify type of modification and authority):
 X mutual agreement

E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to reallocate the Integrated Financial Management Project (IFMP) estimated cost and award fee amounts into future option periods as a result of the IFMP program being delayed. As an unrelated action, but for convenience purposes, the Statement of Work is also revised to delete Section 7.4 in its entirety as a result of the Evaluation and Information Center (EIC) being closed. Accordingly, the following changes are hereby made:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print): LENWOOD O. TRAMMELLE, SR. VP/GM
 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print): _____
 15B. CONTRACTOR/OFFEROR: _____
 15C. DATE SIGNED: APRIL 28, 1988
 16B. UNITED STATES OF AMERICA BY: Lisa M. Hawley (Signature of Contracting Officer)
 16C. DATE SIGNED: 4/28/98

FILE COPY

A. As a result of IFMP being delayed, Section B, B.2, Paragraphs A and B, are revised to decrease and reallocate the IFMP estimated cost and award fee as follows: Estimated cost is decreased by \$973,722 from \$16,099,489 to \$15,125,767 award fee is decreased by \$59,689, from \$763,528 to \$703,839. Award fee for the fifth period is decreased by \$29,845 from \$176,831 to \$146,986. Award fee for the sixth period is decreased by \$29,845 from \$143,612 to \$113,767.

"B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$15,125,767 exclusive of the award fee of \$703,839 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$15,829,606.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000 (earned)
August 1, 1996 - January 31, 1997	90,000 (earned)
February 1, 1997 - July 31, 1997	155,772 (earned)
August 1, 1997 - January 31, 1998	101,313 (earned)
February 1, 1998 - July 31, 1998	146,986
August 1, 1998 - January 31, 1999	113,767"

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Paragraph H.12, Options, Paragraphs A. and B. are deleted in their entirety and replaced with the following which reflects the revised contract values for each period:

“A. First through Fourth Option Periods

<u>Item</u>	<u>Third Option Period</u>	<u>Fourth Option Period</u>
Period of Performance (Ref. F.1)	12 months	12 months
Estimated Cost (Ref. B.2.A)	\$5,483,887	\$4,832,176
Award Fee (Ref. B.2.A)	\$ 314,529	\$ 279,426
Award Fee Availability (Ref. B.2.B)		
2/1/98 - 7/30/98		
8/1/98 - 1/31/99		
2/1/99 - 7/30/99	\$ 157,265	
8/1/99 - 1/31/00	\$ 157,265	
2/1/00 - 7/30/00		\$ 139,713
8/1/00 - 1/31/01		\$ 139,713

B. Fifth through Tenth Option Periods

	<u>Fifth Option Period</u>	<u>Sixth Option Period</u>	<u>Seventh Option Period</u>	<u>Eighth Option Period</u>	<u>Ninth Option Period</u>	<u>Tenth Option Period</u>
Period of Performance (Ref. F.1)	1 month	1 month	1 month	1 month	1 month	1 month
Estimated Cost (Ref. B.2.A)	\$346,726	\$346,726	\$346,726	\$346,726	\$346,726	\$346,726
Fixed Fee (Ref. B.2.A)	\$ 18,429	\$ 18,429	\$ 18,429	\$ 18,429	\$ 18,429	\$ 18,429

C. As a separate contract action unrelated to the IFMP reallocations, the Statement of Work is revised to delete Section 7.4, Product Demonstration and Assistance, in its entirety as a result of decreased customer demand for the EIC.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Mod. 58	0	0	0	0
Mod. 59	167,018	8,973	175,991	1,025,000
Mod. 60	0	0	0	0
Mod. 61	<u>(973,722)</u>	<u>(59,689)</u>	<u>(1,033,411)</u>	<u>0</u>
Total	\$15,125,767	\$703,839	\$15,829,606	\$11,394,158

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 7
2. AMENDMENT/MODIFICATION NO. 62	3. EFFECTIVE DATE MAY 29 1998	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

N/A

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2, Changes, Cost Reimbursement (AUG 1987) Alternate II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause as a result of the specification being changed. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) RICHARD J. ZILLER, EXEC. VICE PRESIDENT		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR <i>Richard J. Ziller</i> (Signature of person authorized to sign)	15C. DATE SIGNED MAY 28, 1998	16B. UNITED STATES OF AMERICA BY <i>L. M. Harvey</i> (Signature of Contracting Officer)	16C. DATE SIGNED 5/29/98

FILE COPY

A. Section B, B.2, is revised to increase cost by \$27,052 from \$15,125,767 to \$15,152,819 and the award fee available is increased by \$1,125 from \$703,839 to \$704,964. In addition, the award fee for the fifth period is increased by \$1,125 from \$146,986 to \$148,111.

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$15,152,819 exclusive of the award fee of \$704,964 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$15,857,783.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000 (earned)
August 1, 1996 - January 31, 1997	90,000 (earned)
February 1, 1997 - July 31, 1997	155,772 (earned)
August 1, 1997 - January 31, 1998	101,313 (earned)
February 1, 1998 - July 31, 1998	148,111
August 1, 1998 - January 31, 1999	113,767”

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Mod. 58	0	0	0	0
Mod. 59	167,018	8,973	175,991	1,025,000
Mod. 60	0	0	0	0
Mod. 61	(973,722)	(59,689)	(1,033,411)	0
Mod. 62	27,052	1,125	28,117	0
Total	\$15,152,819	\$704,964	\$15,857,783	\$11,394,158

Funding includes \$10,774,242 for cost and \$619,916 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Status
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	Complete
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	Complete
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	Complete
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	Complete
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	Complete
I001.00	10,460	420	\$10,880	10,880	Mod. 15	Complete
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	Complete
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	Complete
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	Complete
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	Complete
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	Complete
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	Complete
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	Complete
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	cancelled
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	Complete
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	Complete
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	Complete
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	Complete
HA003	344,907	17,616	\$362,523	362,523	Mod. 34	Complete
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	Complete
GM003	303,302	12,518	\$315,820	300,000	n/a	Complete
HB002.01	21,853	1,046	\$22,899	22,899	n/a	Complete
AF010	1,295	78	\$1,373	1,373	Mod. 39	cancelled
AF011	2,643	159	\$2,802	2,802	Mod. 39	cancelled
AF012	199,302	8,757	\$208,059	180,000	Mod. 41	Active
HB002.02	13,560	590	\$14,150	14,150	n/a	Complete
AF006	61,669	3,071	\$64,740	62,746	Mod. 26	cancelled
AF009	187,847	8,049	\$195,896	182,681	Mod. 26	Active
GMG001.02	744,314	31,467	\$775,781	762,018	Mod. 26	Complete
GMG002	28,507	1413	\$29,920	30,450	Mod. 26	cancelled
HB002.03	11,412	312	\$11,724	11,724	n/a	Active
GM003.01	TBD			200,000	n/a	pending
HA003.01	167,018	8,973	\$175,991	174,559	n/a	Active
HB002.04	27,052	1,125	28,177	47,178	N/A	Active
			\$ 0			
			\$ 0			
			\$ 0			
			\$ 0			
			\$ 0			
Total	\$3,890,962	\$172,790	\$4,063,752	\$4,191,550		

EXHIBIT G, JOB DESCRIPTION DOCUMENTS

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Bank Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97
GM003	Center Information Management Architecture	5-29-97
HB002.01	Management Information System for Lead Center	6-16-97
HB002.02	Management Information System for Lead Center	8-13-97
HB002.03	Management Information System for Lead Center	12-8-97
HA003.01	Bank Card Reconciliation System Phase II, Rev. 1	4-3-98
HB002.04	Management Information System for Lead Center	6-8-98
HB003	RTA/COP System Modifications	6-8-98

JOB DESCRIPTION DOCUMENT FOR BAMIS CONTRACT NAS1-20650

JDD # HB002.04

Title: Management Information System for Lead Center Budgeting

LaRC Point of Contact: Delores K. Poupard, PRD, CFO
Mail Stop 104
Phone 864-6098

Scope: To provide additional requirements and changes to existing system as stated below in order to allow the use of the Lead Center MIS by Langley's Aviation Safety Program.

Specific Requirements:

1. Requirement:

- Add a button to the screen behind the Langley MIS button that reads "Aviation Safety"
- Aviation Safety records will be assigned the value of "Category = 6".
- System to be modified to allow Aviation Safety to have all of the system capabilities now available to the other categories. These are to include graphics, all reports, add/change/delete data screens and etc. for both budget \$ and workforce data.

2. Requirement:

- Modify the Natural Program that extracts data from the PRD Planning file and is uploaded into the Lead Center MIS to include the following Aviation Safety Programs:

Subprogram = 51931 or= 51951 or= 52218 or= 52219 or= 52235 or= 52324 or= 52932 or= 54821 or= 54831 or= 54841 or= 54851 or= 54871 or= 54881 or= 58131.

- These records are to be assigned a Category = 6. The same logic that is used for the extraction of data for UPN = 522 is to apply.

3. Requirement:

- Under the "Edit Subcategories" button within the "Admin" feature a field should be added that will allow for the addition of a Secondary Category.
- This Secondary Category should be allowed to have a value of blank or 1 through 6. Not all records in the table will be assigned a Secondary Category.
- The value in this Secondary Category field should be able to be changed, added or deleted.

- All logic that is currently used to pull data for graphs and reports (\$ and WF) need to be modified to consider both Category and Secondary Category. For example: There will be records in the data base for Aviation Safety that will have a Category = 6. There will also be records in the data base that will have a Category = 1, 2, 3, 4 or 5, but because they need to be included in the graphs/reports for Aviation Safety, they will be assigned a Secondary Category = 6 via the "Edit Subcategories" table and their Primary Category will remain 1, 2, 3, 4 or 5.
- It is currently envisioned that this Secondary Category will be used for other programs (ex., AST) in the near future. This should be able to be applied to any of the Lead Center system programs and not just Aviation Safety.

Milestones:

- NCI shall provide PRD a weekly status indicating items that have been completed to date and those items still remaining to be worked along with an anticipated completion date. These status reports may be done verbally and provided in writing if requested by PRD.
- All system modifications made to accommodate the above requirements are to be thoroughly tested by NCI before they are turned over to PRD for System Acceptance Testing. Any system errors, other than a few minor items that can be quickly remedied, will not be acceptable.
- The above system modifications shall be completed, tested and made fully productional by July 31, 1998.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 8
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2. AMENDMENT/MODIFICATION NO. 63	3. EFFECTIVE DATE MAY 28 1998	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2, Changes, Cost Reimbursement (AUG 1987) Alternate II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause as a result of the specification being changed. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

15A. NAME AND TITLE OF SIGNER (Type or print) RICHARD J. ZILLER, EXEC. VICE PRESIDENT		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR <i>Richard J. Ziller</i> (Signature of person authorized to sign)	15C. DATE SIGNED MAY 28, 1998	16B. UNITED STATES OF AMERICA BY <i>Lisa M. Harvey</i> (Signature of Contracting Officer)	16C. DATE SIGNED 5/25/98

FILE COPY

A. Section B, B.2, is revised to increase cost by \$16,463 from \$15,152,819 to \$15,169,282 and the award fee available is increased by \$672 from \$704,964 to \$705,636. In addition, the award fee for the fifth period is increased by \$672 from \$148,111 to \$148,783.

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$15,169,282 exclusive of the award fee of \$705,636 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$15,874,918.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000 (earned)
August 1, 1996 - January 31, 1997	90,000 (earned)
February 1, 1997 - July 31, 1997	155,772 (earned)
August 1, 1997 - January 31, 1998	101,313 (earned)
February 1, 1998 - July 31, 1998	148,783
August 1, 1998 - January 31, 1999	113,767”

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Mod. 58	0	0	0	0
Mod. 59	167,018	8,973	175,991	1,025,000
Mod. 60	0	0	0	0
Mod. 61	(973,722)	(59,689)	(1,033,411)	0
Mod. 62	27,052	2,472	29,525	0
Mod. 63	16,463	672	17,135	0
Total	\$15,169,282	\$705,636	\$15,874,918	\$11,394,158

Funding includes \$10,774,242 for cost and \$619,916 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Status
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	Complete
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	Complete
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	Complete
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	Complete
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	Complete
I001.00	10,460	420	\$10,880	10,880	Mod. 15	Complete
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	Complete
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	Complete
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	Complete
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	Complete
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	Complete
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	Complete
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	Complete
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	cancelled
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	Complete
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	Complete
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	Complete
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	Complete
HA003	344,907	17,616	\$362,523	362,523	Mod. 34	Complete
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	Complete
GM003	303,302	12,518	\$315,820	300,000	n/a	Complete
HB002.01	21,853	1,046	\$22,899	22,899	n/a	Complete
AF010	1,295	78	\$1,373	1,373	Mod. 39	cancelled
AF011	2,643	159	\$2,802	2,802	Mod. 39	cancelled
AF012	199,302	8,757	\$208,059	180,000	Mod. 41	Active
HB002.02	13,560	590	\$14,150	14,150	n/a	Complete
AF006	61,669	3,071	\$64,740	62,746	Mod. 26	cancelled
AF009	187,847	8,049	\$195,896	182,681	Mod. 26	Active
GMG001.02	744,314	31,467	\$775,781	762,018	Mod. 26	Complete
GMG002	28,507	1413	\$29,920	30,450	Mod. 26	cancelled
HB002.03	11,412	312	\$11,724	11,724	n/a	Active
GM003.01	TBD			200,000	n/a	pending
HA003.01	167,018	8,973	\$175,991	174,559	n/a	Active
HB002.04	27,052	1,125	28,177	28,177	n/a	Active
HB003	16,463	672	\$17,135	19,001	N/a	Active
			\$ 0			
			\$ 0			
			\$ 0			
			\$ 0			
Total	\$3,907,425	\$173,462	\$4,080,887	\$4,191,550		

EXHIBIT G, JOB DESCRIPTION DOCUMENTS

<u>JDD #</u>	<u>Description</u>	<u>Effective Date</u>
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center	6-28-96
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Bank Card Reconciliation System Phase II	1-29-97
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97
GM003	Center Information Management Architecture	5-29-97
HB002.01	Management Information System for Lead Center	6-16-97
HB002.02	Management Information System for Lead Center	8-13-97
HB002.03	Management Information System for Lead Center	12-8-97
HA003.01	Bank Card Reconciliation System Phase II, Rev. 1	4-3-98
HB002.04	Management Information System for Lead Center	6-8-98
HB003	RTA/COP System Modifications	6-8-98

JOB DESCRIPTION DOCUMENT FOR BAMIS CONTRACT NAS1-20650

JDD # HB003

Title: RTA/COP System

LaRC Point of Contact: Delores K. Poupard, PRD, CFO
Mail Stop 104
Phone 864-6098

Scope: To provide additional requirements and changes to existing system as stated below.

Specific Requirements:

1. Requirement:

- Upgrade system components to utilize 4D Version 6.0.5 and Sybase Version 11.5.
- Move the productional RTA/COP system from server SUNPRD1 to SUNPRD2. This move will be coordinated with PRD so that no budget exercises are impacted.
- Budget guideline amounts are extracted nightly from the PRD Planning file and are loaded nightly into the RTA/COP system via a Cron Job. This job shall be modified so that the data is sent to the Server SUNPRD2 instead of SUNPRD1.
- On SUNPRD2 the users are automatically updated nightly, making any sort of update to the users unnecessary. However, the capability is there to add a user if needed and after a 4D code change is made to make the user id = first initial + last 4 digits of phone number + last name. This change shall be made when making the RTA/COP system productional on SUNPRD2.

2. Requirement:

- At the present time the RTA/COP System is setup for user access via a Macintosh only. Modify screens/reports to be accessible by PC users using Microsoft Windows. These modifications shall be transparent and have no negative impact to the present Macintosh users.

3. Requirement:

- When user clicks the "CLOSE" button on the RTA, Spending, or COP pages the system should not "automatically" save the document. If user clicks CLOSE button and has not clicked "SAVE" button prior to that, the user shall be given a message that says "Changes Have Not Been Saved Are You Sure You Want to Close?". Provide Button

which reads "Close Without Saving Changes" and Button which reads "Save and Then Close".

4. Requirement:

- On RTA, Spending Plan Summary, and COP form update/display "Name of User", "Date Last Modified" and "Time Last Modified" based on last time document was Saved.

5. Requirement:

- Allow user to modify Phasing Plans on the COP Screen and have the amounts in the "Total" Column automatically update the appropriate "\$K Field(s)" on the Spending Plan Summary Sheet and the RTA forms if user clicks button to update these other fields based on modifications done on the COP Screen. The "Req \$K" field that is displayed on the COP Screen would also be modified and this new number used in the calculation of percentages at the bottom of the COP Screen.

6. Requirement:

- DBA Tasks:
 - A procedure shall be written to make the following function available from the "ADMIN SCREEN". The database will be maintained with current year and current year - 1 data. In the July-August time frame before a new RTA/COP goes out to the Center, the data shall be purged as follows:

Search on the 'rtas' table on PY.

Delete all rows where the PY is < current program year -1

Delete the related rows in the following table using the id number as the key:

contracts	[use rta_id = rta_id as key]
fabrication	[use rta_id = rta_id as key]
financials	[use rta_id = rta_id as key]
subauthorization	[use rta_id = rta_id as key]
rtas_signers	[use id = rta_id as key]
rta_fte	[use rta_id = rta_id as key]

Search the 'rtop' table on year and delete all rows where year is less than current year - 1

- The DBA will download the latest copy of the org codes into the orgs table making modifications manually if there are only a few changes. A copy of the table which is currently in the database follows. Currently, these changes will have to be made using

SQL. A procedure should be written to make this a function available from the "ADMIN SCREEN".

Milestones:

- Provide PRD a weekly status indicating items that have been completed to date and those items still remaining to be worked along with an anticipated completion date. These status reports may be done verbally and provided in writing if requested by PRD.
- All system modifications made to accommodate the above requirements are to be thoroughly tested by NCI before they are turned over to PRD for System Acceptance Testing. Any system errors, other than a few minor items that can be quickly remedied, will not be acceptable.
- Requirements 1, 2, 3 and 4 shall be completed, tested, and made fully productional by July 31, 1998.
- Requirements 5 and 6 shall be completed, tested, and made fully productional by September 30, 1998.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 64		3. EFFECTIVE DATE MAY 29 1998	4. REQUISITION/PURCHASE REQ. NO. See Block 12	1. CONTRACT ID CODE	PAGE OF PAGES 1 / 4
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		5. PROJECT NO. (If applicable)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

PR: AFC.1240; JO: C952001; obligate \$5,103 (complete), PR: AFD.1079; JO: M3159; obligate \$78,000 (complete).
PR: AFD.1080; JO: A5402; obligate \$30,000 (complete), PR: GML.1251; JO: M3800; obligate \$150,000 (complete)

<input checked="" type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input checked="" type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

E. IMPORTANT: Contractor is not is required to sign this document and return 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide incremental funding in the amount of \$263,103. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) JOAN Y. CREPPS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Joan Y. Crepps</i> (Signature of Contracting Officer)	16C. DATE SIGNED 5/29/98
(Signature of person authorized to sign)			

FILE COPY

A. Incremental Funding in the amount of \$263,103 is being provided as follows: funding for cost will be increased by \$183,103; funding for fee will be increased by \$80,000. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

"B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$10,957,345. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through July 21, 1998.

(b) An additional amount of \$699,916 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Mod. 58	0	0	0	0
Mod. 59	167,018	8,973	175,991	1,025,000
Mod. 60	0	0	0	0
Mod. 61	(973,722)	(59,689)	(1,033,411)	0
Mod. 62	27,052	2,472	29,525	0
Mod. 63	16,463	672	17,135	0
Mod. 64	0	0	0	263,103
Total	\$15,169,282	\$705,636	\$15,874,918	\$11,657,261

Funding includes \$10,957,345 for cost and \$699,916 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Status
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	Complete
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	Complete
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	Complete
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	Complete
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	Complete
I001.00	10,460	420	\$10,880	10,880	Mod. 15	Complete
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	Complete
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	Complete
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	Complete
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	Complete
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	Complete
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	Complete
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	Complete
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	cancelled
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	Complete
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	Complete
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	Complete
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	Complete
HA003	344,907	17,616	\$362,523	362,523	Mod. 34	Complete
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	Complete
GM003	303,302	12,518	\$315,820	300,000	n/a	Complete
HB002.01	21,853	1,046	\$22,899	22,899	n/a	Complete
AF010	1,295	78	\$1,373	1,373	Mod. 39	cancelled
AF011	2,643	159	\$2,802	2,802	Mod. 39	cancelled
AF012	199,302	8,757	\$208,059	208,059	Mod. 41	Active
HB002.02	13,560	590	\$14,150	14,150	n/a	Complete
AF006	61,669	3,071	\$64,740	62,746	Mod. 26	cancelled
AF009	187,847	8,049	\$195,896	195,896	Mod. 26	Active
GMG001.02	744,314	31,467	\$775,781	762,018	Mod. 26	Complete
GMG002	28,507	1413	\$29,920	30,450	Mod. 26	cancelled
HB002.03	11,412	312	\$11,724	11,724	n/a	Active
GM003.01	TBD			200,000	n/a	pending
HA003.01	167,018	8,973	\$175,991	179,662	n/a	Active
HB002.04	27,052	1,125	28,177	28,177	n/a	Active
HB003	16,463	672	\$17,135	19,001	N/a	Active
			\$ 0			
			\$ 0			
			\$ 0			
			\$ 0			
Total	\$3,907,425	\$173,462	\$4,080,887	\$4,237,927		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 65	3. EFFECTIVE DATE JUL 01 1998	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
 PR: GKE.1072; JO: 2530; obligate \$25,466 (complete), PR: GML.1255; JO: M3786; obligate \$240,000 (complete),
 PR: AF.5491; JO: M3159; obligate \$20,000 (complete),
 PR: GML.1254; JO: A5487; obligate \$77,400 (complete); JO: A5581; obligate \$112,600 (complete)

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

E. IMPORTANT: Contractor is not is required to sign this document and return 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 The purpose of this modification is to provide incremental funding in the amount of \$475,466. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) JOAN Y. CREPPS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Joan Y. Crepps</i> (Signature of Contracting Officer)	16C. DATE SIGNED 7/1/98
(Signature of person authorized to sign)			

A. Incremental Funding in the amount of \$475,466 is being provided as follows: funding for cost will be increased by \$475,466; funding for fee will be increased by \$0. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

"B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$11,432,811. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through September 2, 1998.

(b) An additional amount of \$699,916 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Mod. 58	0	0	0	0
Mod. 59	167,018	8,973	175,991	1,025,000
Mod. 60	0	0	0	0
Mod. 61	(973,722)	(59,689)	(1,033,411)	0
Mod. 62	27,052	1,125	28,177	0
Mod. 63	16,463	672	17,135	0
Mod. 64	0	0	0	263,103
Mod. 65	0	0	0	475,466
Total	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727

Funding includes \$11,432,811 for cost and \$699,916 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Status
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	Complete
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	Complete
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	Complete
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	Complete
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	Complete
I001.00	10,460	420	\$10,880	10,880	Mod. 15	Complete
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	Complete
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	Complete
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	Complete
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	Complete
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	Complete
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	Complete
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	Complete
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	cancelled
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	Complete
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	Complete
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	Complete
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	Complete
HA003	344,907	17,616	\$362,523	362,523	Mod. 34	Complete
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	Complete
GM003	303,302	12,518	\$315,820	300,000	n/a	Complete
HB002.01	21,853	1,046	\$22,899	22,899	n/a	Complete
AF010	1,295	78	\$1,373	1,373	Mod. 39	cancelled
AF011	2,643	159	\$2,802	2,802	Mod. 39	cancelled
AF012	199,302	8,757	\$208,059	208,059	Mod. 41	Active
HB002.02	13,560	590	\$14,150	14,150	n/a	Complete
AF006	61,669	3,071	\$64,740	62,746	Mod. 26	cancelled
AF009	187,847	8,049	\$195,896	195,896	Mod. 26	Active
GMG001.02	744,314	31,467	\$775,781	762,018	Mod. 26	Complete
GMG002	28,507	1413	\$29,920	30,450	Mod. 26	cancelled
HB002.03	11,412	312	\$11,724	11,724	n/a	Active
GM003.01	TBD			200,000	n/a	pending
HA003.01	167,018	8,973	\$175,991	179,662	n/a	Active
HB002.04	27,052	1,125	28,177	28,177	n/a	Active
HB003	16,463	672	\$17,135	19,001	N/a	Active
			\$ 0			
			\$ 0			
			\$ 0			
			\$ 0			
Total	\$3,907,425	\$173,462	\$4,080,887	\$4,237,927		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 66	3. EFFECTIVE DATE July 31, 1998	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
PR: GM.4219; JO:A5160; \$4,950 (partial)

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	FAR Clause 52.243-2 Changes – Cost Reimbursement (AUG 1987) Alt II (APR 1984)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

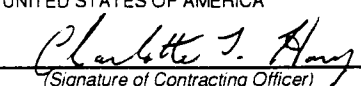
E. IMPORTANT: Contractor is not is required to sign this document and return 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to incorporate the requirement for Year 2000 compliance into the contract Statement of Work (SOW) Exhibit A. As a result, the following SOW changes are made:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		CHARLOTTE T. HARDY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY 	7/31/95
		(Signature of Contracting Officer)	

FILE COPY

- A. Exhibit A, Statement of Work entitled, "Business and Administrative Management Information Services is changed by adding the following Paragraph:

"10. YEAR 2000 COMPLIANCE

- a. "Year 2000 compliant," as used herein, means that the information technology (hardware, software and firmware, including embedded systems or any other electro-mechanical or processor-based systems used in accordance with its associated documentation) accurately processes date and date-related data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations, to the extent that other information technology, used in combination with the information technology being acquired, properly exchanges date and date-related data with it.
- b. Any information technology provided, operated and/or maintained under this contract must be Year 2000 compliant. To ensure this result, the Contractor shall provide documentation describing how the IT items or services demonstrate Year 2000 compliance.

The Contractor shall test any information technology items that are provided, operated, and/or maintained under this contract in accordance with the document "NASA Year 2000 Agency Test and Certification Guidelines and Requirements" (Attachment 1 to this modification). Documentation and testing requirements for Year 2000 compliance are based on complexity of the information technology and the risk associated with the IT item Y2K non-compliance. The testing of the IT items shall be determined using a risk-based approach. Risk has been categorized into 3 categories: Low, Medium, and High. A phased testing approach will be used to identify and correct errors. The testing shall be consistent with Attachment 1, considering the risk level, type of system, and Year 2000 date dependency of the IT item. In order to document the Year 2000 testing and compliance, the "NASA Langley Research Center Y2K Compliance Verification Form" (Attachment 2 to this modification) shall be utilized.

- c. Milestones for Renovation, Validation and Implementation: Any IT determined to be non-Year 2000 compliant shall be replaced, retired, or repaired in accordance with the following schedule:
- "Renovation" includes making and documenting software and hardware changes, developing replacement systems, and decommissioning systems to be retired. The Contractor must complete renovation of affected software, hardware and firmware by September 30, 1998.
 - "Validation" includes unit, integration, system, and end-to-end testing for Year 2000 compliance. The Contractor must complete validation and testing of converted or replaced systems by January 31, 1999.

- "Implementation" includes acceptance testing and integration of converted and replaced systems into a production environment. The Contractor must complete implementation by March 31, 1999.

d. At a minimum, the Contractor shall provide documentation, including project plans and status reports, which demonstrate that the Contractor is meeting the milestones listed above."

B. The Contractor shall submit a Year 2000 Compliance Plan for this contract by August 14, 1998. The Compliance Plan shall be consistent with the document entitled "NASA Year 2000 Agency Test and Certification Guidelines and Requirements" (Attachment 1 to this modification). The Compliance Plan shall include the following:

1. An exhaustive list of all information technology (IT) provided, operated, maintained, administered or otherwise used or serviced under this contract,
2. The risk level for each IT item,
3. The contractor's level of knowledge of and the extent of his involvement with or use of each item of IT on the list,
4. Any testing or other Year 2000 compliance work which has already been done or is in process for each item of IT,
5. A list of other contractors or Government personnel responsible for providing, operating, maintaining, administering or otherwise using or servicing each item of IT, if applicable,
6. Where more than one contractor or the contractor and the Government share responsibilities and/or interfaces with an item of IT, the contractor's recommendations concerning each party's role in the compliance of such item,
7. The level and type of testing required to be performed on each IT item to determine Year 2000 compliance.
8. The schedule and plan for completing the required testing.

The Government will approve or direct changes to this compliance plan. After Government approval of this plan, the Contractor shall implement the plan.

Any proposal for an equitable adjustment in cost pursuant to the Changes clause for the changes made in this modification shall be broken out and correlated to the compliance plan required by this paragraph.

The change shall be separately accounted for by the contractor to the degree necessary to provide the Contracting Officer visibility into actual costs incurred pending definitization.

C. The ceiling price for the change as set forth in the modification is \$5,000.

B. All other terms and conditions remain unchanged

Attachments (2)

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Mod. 58	0	0	0	0
Mod. 59	167,018	8,973	175,991	1,025,000
Mod. 60	0	0	0	0
Mod. 61	(973,722)	(59,689)	(1,033,411)	0
Mod. 62	27,052	1,125	28,177	0
Mod. 63	16,463	672	17,135	0
Mod. 64	0	0	0	263,103
Mod. 65	0	0	0	475,466
Mod. 66	0	0	0	0
Total	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727

Funding includes \$11,432,811 for cost and \$699,916 for fee.

**NASA Year 2000
Agency
Test and Certification Guidelines
and Requirements**

Volume 1

July 2, 1998



National Aeronautics and
Space Administration

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2. Y2K Certification Guidelines and Requirements
3. Y2K Testing Guidelines and Requirements
4. Guidelines on Y2K Compliance Criteria

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Appendix A. Certification Signoff Form Examples

Appendix B. Certification Checklist Example

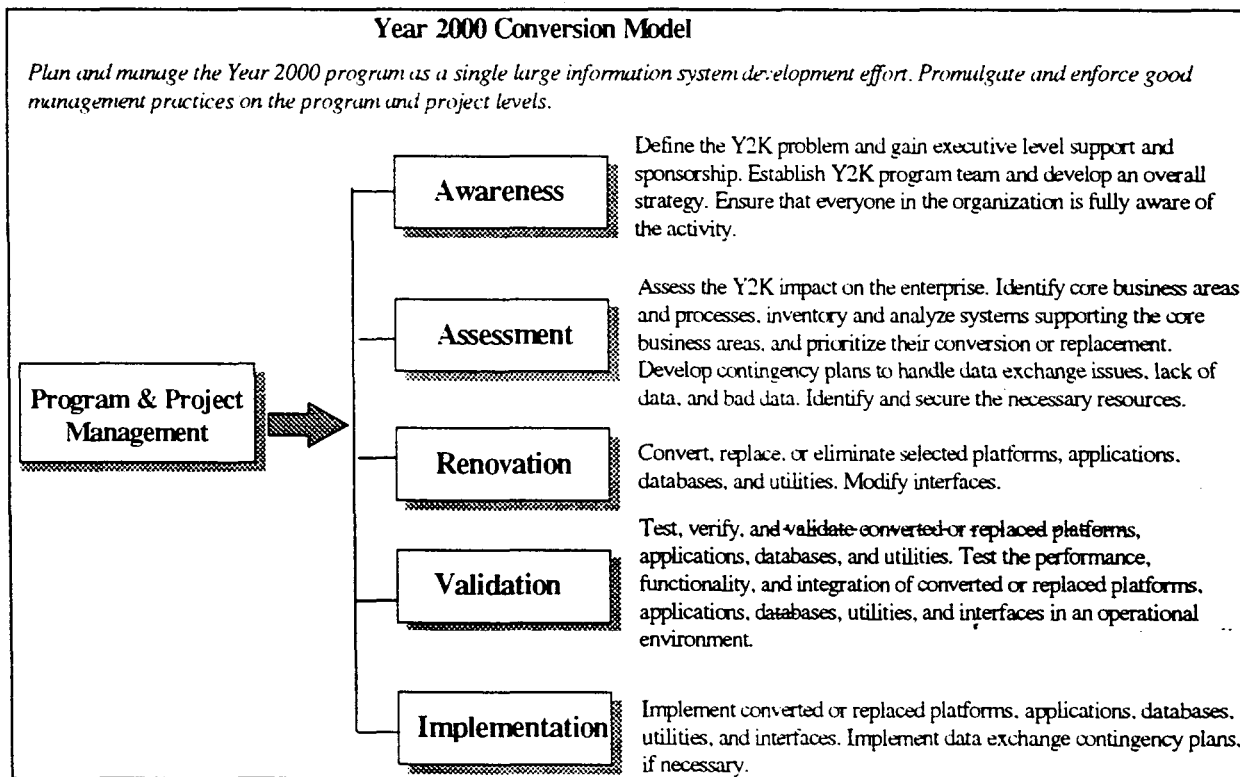
Appendix C. Glossary of Terms

Appendix D. Date Dependency Checklist

Section 1. Background

NASA initiated the Year 2000 (Y2K) program in August 1996 to address the challenges imposed on Agency software, hardware, and firmware systems by the new millennium. The Agency Y2K program is centrally managed by the NASA Chief Information Officer, with decentralized execution of program requirements at each of the nine NASA Centers, Headquarters, and the Jet Propulsion Laboratory. The Y2K Program Plan details the technical, schedule, and cost commitments, and it includes strategies for acquisition, risk management, and test and verification. Center Y2K Project Plans provide detailed requirements and plans that are consistent with the overall program management approach, guidance, and requirements.

In January 1997, the Office of Management and Budget (OMB) required all federal agencies to adopt the Government Accounting Office (GAO) five-phase model for implementing the Y2K program. The following exhibit graphically illustrates the five phase model NASA has adopted for the Y2K program.



NASA completed the Y2K assessment of its inventory of hardware, software, and firmware in August 1997. The scope of the assessment included applications developed in-house (in development or operations); Commercial-off-the Shelf (COTS) software, hardware, and firmware; and special support areas such as facilities and environmental control systems and other embedded uses of information technology (IT) products. Renovation of inventory items needing corrective action is to be completed by September 1998; validation by January 1999; and

NASA Year 2000 Test and Certification Guidelines and Requirements

implementation by March 1999. Objectives and approaches for completing renovation, validation, and implementation may be found in the NASA Y2K Program Plan.

The objectives of the validation phase are to uncover errors introduced during the renovation phase; and verify the operational readiness of inventory items. Government-wide requirements for validating renovated inventory items include unit-level, integration-level, and system-level testing. In April 1996, the Program provided general Y2K test guidance for Centers to consider when identifying their local Y2K test strategies and methods. In April 1998, we conducted a review of current Center practices and strategies for Y2K testing. Generally, Centers are adapting local systems management practices to meet Y2K validation and verification requirements. Examples are structured systems development methodologies that include formal testing and verification processes, use of independent testing organizations, such as a Center Software Product Assurance Office or an independent Y2K contractor, and the exceedingly formal Independent Verification and Validation (IV&V) associated with testing changes on systems affecting human space flight. The selected approach is highly dependent upon the inventory item function, criticality, and risk.

The objectives of this guidance are to:

- (1) Provide general guidance and requirements for Y2K certification and testing.
- (2) Establish required minimal Y2K test criteria and certification processes that will be consistently applied to NASA inventory items.

This document specifies minimal requirements (identified by terms "shall" and "must") and general guidance (identified by terms "should" and "may") for accomplishing Y2K certification and testing. Centers are encouraged to tailor guidance to meet local requirements. Centers should also refer to the GAO Guide, "Year 2000 Computing Crisis: A Testing Guide," for additional guidance on testing.

This document has four sections and Appendices A to I. Section 2 provides guidelines and requirements for Y2K certification. Section 3 provides guidelines and requirements for conducting Y2K tests. Section 4 provides guidance on Y2K compliance criteria. Appendices A to D provide sample certification forms and Y2K checklists. Volume 2 provides sample test plans used at NASA Centers.

Throughout this document the term, "NASA employee" includes employees of the Jet Propulsion Laboratory (JPL) for JPL inventory items.

Section 2. Y2K Certification Guidelines and Requirements

This section provides guidelines and requirements for completing Y2K certification of inventory items. Inventory items must be vendor certified or otherwise tested and certified by NASA. Section 3 provides requirements and guidance on test criteria and testing levels for inventory items that are tested by or for NASA. Section 4 provides guidance and general criteria which should be satisfied for an inventory item to be considered compliant.

2.1 Inventory Item. Centers are responsible for determining what constitutes an inventory item to be assessed, corrected, validated, or certified compliant for Y2K purposes. A NASA inventory item may be an IT system, non-IT system (e.g. environmental, biomedical), application, hardware component, software component, firmware, or COTS product. An inventory item may be a combination of custom software, hardware, and COTS products, or any component item. Inventory items must be classified as either mission-critical or nonmission-critical (see Glossary, Appendix C).

Inventory items must be assigned one of the following statuses:

- 2.1.1 Non-Compliant/Repair**—Non-compliant inventory item components will be manually or automatically modified, or both, to make them Y2K compliant.
- 2.1.2 Non-Compliant/Replace or Upgrade**—The non-compliant inventory item will be replaced with a Y2K compliant system that provides comparable functionality. For COTS components, upgrades are classified as replace/upgrade.
- 2.1.3 Non-Compliant/Retire or Discontinue**—The inventory item will leave the NASA inventory because of Y2K or other reasons. No replacement system is anticipated. For COTS components, the product will leave the NASA inventory, with no anticipated upgrade or replacement.
- 2.1.4 Non-Compliant/No Corrective Action**—A non-compliant Y2K inventory item that will be retained in the NASA inventory and not made compliant.
- 2.1.5 Not Date Affected** - Inventory item does not process dates or date related data.
- 2.1.6 Date Affected/Compliant** – Inventory item processes dates or date-related data and is Y2K compliant

NASA Year 2000 Test and Certification Guidelines and Requirements

2.2 **Certification of Inventory Items.** NASA inventory items must be certified as Y2K compliant by March 31, 1999.

- To be certified as Y2K compliant, an inventory item must fulfill one of the following requirements:
- Successfully complete testing conducted by or for NASA
- Demonstrate Y2K compliance by vendor certification.
- The only exception to this requirement are the Non-Compliant/No Corrective Action inventory items.
- Inventory items classified as not calendar date affected must either be tested or documented as not date affected.
- The content and level of detail for certification may vary based on Center requirements and the nature of the inventory item.
- Inventory items that are tested must complete the system level test for certification. However, there is some flexibility for testing COTS products. Centers may elect to use integration testing or system level testing to certify COTS products, as appropriate.
- Certification forms must be signed by a NASA employee. (Sample forms are in Appendix A.) Centers may elect to require additional signatures, including contractors responsible for operations and maintenance of inventory items, as required.

Appendix C, Glossary of Terms, provides the NASA definition of "Y2K compliant" consistent with Federal guidance. Appendix A provides sample certification forms for vendor certified, NASA tested, and not date affected inventory items. The following paragraphs detail requirements.

2.2.1 **Vendor Certified:** The inventory item is a COTS product that is date affected and certified by the vendor or contractor as Y2K compliant. Documentation may include standard product literature, test reports, test procedures, or commercial certification statements. Documentation must be commensurate with the risk level of the inventory item. Appendix A-1 provides a sample certification form for COTS products.

Three NASA Centers have been assigned responsibility for tracking and reporting test and certification results of COTS hardware and software products in five areas: workstation, mainframe, midrange, communications, and supercomputing . At a minimum, Centers must follow established certification and documentation procedures for COTS products in these areas. For COTS products that do not fall under these areas, Centers should establish similar certification and documentation procedures commensurate with the risk-level of their inventory items.

NASA Year 2000 Test and Certification Guidelines and Requirements

- 2.2.2 **Tested and Certified:** The inventory item is date affected and has been tested and certified by or for NASA against required tests and standard test criteria commensurate with the risk level of the inventory item (described in Section 3). If the inventory item is a COTS product that a Center decides to independently test, Centers must follow the appropriate test and documentation procedures established by the three COTS principal centers (MSFC, LeRC, and ARC).

Tested Inventory items must meet the documentation requirements specified in Table 3-7. Three levels of documentation are required: test plans and procedures, test results, and certification forms.

- 2.2.2.1 **Test Plans and Procedures** – Test plans and procedures must be prepared to address required levels of testing, test criteria, and test procedures. Test plans and procedures may be written to address a specific inventory item (e.g., a specific mission-critical system) or a class or group of inventory items (e.g., desktop COTS products). The content and level of detail of the test plan and procedures will vary based upon the complexity of the inventory item and the magnitude of the Y2K impact. Volume 2 provides examples of the following Y2K test plans for reference:

- MSFC LASER TPP
- LeRC COTS Test plan for workstations
- MSFC COTS Communications Test Plan
- JPL Year 2000 Compliance Requirements
- Year 2000 Test Plan for Langley Research Facilities
- Flight Dynamics Y2K Test Plan

- 2.2.2.2 **Test Results** – Test results must be documented in a test report or completed Y2K checklist for each inventory item tested. The content and level of detail of the test report will vary based upon the complexity of the inventory item and the magnitude of the Y2K impact. Sample Y2K checklists are provided in Appendix B. Y2K checklists should be tailored to meet Center requirements. The content of the checklist may vary based on the inventory item tested. Examples of Y2K checklist content include the following:

- The results of Y2K test cases for system functions
- A list of components comprising the inventory item, along with the component ID, component type (hardware (H/W), software (S/W), firmware (F/W), or COTS))
- The date the component was tested and the NASA responsible person
- A list of all external interfaces, the date the interface was tested, and the NASA responsible person for ensuring that the testing and documentation is accurate.

NASA Year 2000 Test and Certification Guidelines and Requirements

- 2.2.2.3 **Certification** –All tested inventory items must be certified by a NASA employee. Appendix A-2 provides sample certification forms. The content and level of detail for certification may vary based on Center requirements and the nature of the inventory. Centers may elect to require additional signatures, including contractors responsible for operations and maintenance of inventory items, as required.
- 2.2.3 **Documented and Certified As Not Date Affected.** The inventory item is not date affected and not tested. Documentation is required to certify that the inventory item is not date affected. Appendix D provides a sample checklist for verifying that an inventory item is not date affected.
- 2.3 **Non-Compliant/No Corrective Action Inventory Items.** Non-compliant items that will have no corrective action taken must be identified and documented. Documentation must include the name and description of the non-compliant inventory item, the business or operational rationale for not taking corrective action (e.g., not upgrading), and a determination of the risks or potential impact to the Agency for not taking corrective action. Decisions and documentation for non-compliant Y2K inventory items must be approved by the Center Y2K Project Manager and the Center CIO Representative. Accounting of these actions must be sent to the NASA Y2K Program Manager.
- 2.4 **Independent Validation and Verification.** Test processes must include an independent validation and verification of test results for mission critical systems. Independent validation and verification may be performed by any individual(s) independent of the developer or certifying individual. Centers should use quality assurance groups or validation and verification agents where practical to ensure consistency and quality of test processes and results.
- 2.5 **Waivers.** Centers must establish a formal waiver process for any variance from the minimum requirements established in this document. Waivers may be issued to combine testing levels where the criteria are met in the combined test, or, in limited cases, where the degree of testing is reduced because the Y2K changes are cosmetic or the risks of Y2K impacts are low. At a minimum, waivers must be approved by the Center Y2K Project Manager and the Center CIO Representative. Accounting of these actions must be sent to the NASA Y2K Program Manager.

NASA Year 2000 Test and Certification Guidelines and Requirements

2.6 **Grandfather Clause:** Inventory items that completed testing prior to this guidance and that meet the following criteria are exempt from this guidance:

- The test approach for the inventory item meets the minimal test requirements and criteria established in this guidance, commensurate with the level of risk of the inventory item
- Processes followed for the inventory item meet the intent of this guidance through comparable test and certification processes.

The Center CIO Representative and Center Y2K Project Manager must approve Y2K inventory items that are exempted (i.e., grandfathered) from this guidance. Accounting of these actions must be sent to the NASA Y2K Program Manager.

Section 3. Y2K Testing Guidelines and Requirements

This section provides test guidelines and requirements for Inventory items being remediated and/or tested by or for NASA for the certification process described in Section 2. The intent is to provide an Agency Y2K test approach yet permit enough flexibility to allow Centers to use their existing test processes to the extent practical, augmented by Y2K time-shift testing. Centers should also refer to the GAO Guide, "Year 2000 Computing Crisis: A Testing Guide," for additional guidance on testing.

- 3.1 **Purpose.** The purpose of Y2K testing is to verify the Y2K compliance of a date-affected inventory item and ensure that Y2K corrective actions have not adversely impacted the existing functionality of an inventory item. Test processes must provide sufficient assurance of diligence in testing documented by test plans and/or test procedures, test reports or compliance checklists, and certification signoff. Quality assurance staff or independent validation and verification agents should be used, where practical, to ensure that test requirements and guidance are met.

- 3.2 **Risk-Based Approach.** NASA is adopting a risk-based approach for the testing and certification of inventory items. Risk categories are low risk, medium risk, and high risk (see Glossary, Appendix C). At a minimum, NASA inventory items must meet the test requirements and test criteria established for low risk items or provide documentation that the inventory item is not date affected. Medium and high risk inventory items must meet the minimal test requirements and test criteria defined in Tables 3-1 through 3-6. By definition, NASA inventory items classified as "mission critical" would typically meet test requirements and test criteria specified for high risk items, but there is some flexibility for Centers to tailor risk levels assigned. Inventory items designated as mission critical may contain components that are medium or low risk; for example, a mission critical system may include auxiliary components that are low or medium risk, such as faxes or printers. Centers may selectively tailor test criteria to reduce the level of testing for those components. Table 3-7 summarizes the minimum test criteria for each risk level. Centers should establish test requirements and test criteria beyond the minimal where appropriate.

- 3.3 **Testing Approach.** The NASA Y2K testing approach applies time-shift testing to a renovated component through a series of test levels according to its assigned risk. The time shift test dates represent critical dates for Y2K compliancy. The test levels include unit testing, integration testing, system testing, acceptance testing, and end-to-end testing. The testing should include regression, performance, stress, and window boundary testing, as appropriate for the test level. All Y2K certification testing must be accomplished in a Y2K compliant environment, where feasible.

The NASA-Y2K testing approach is based on demonstrating that existing functionality will operate normally on general days in 2000 and that rollovers for the dates specified in Table 3-1 do not generate anomalous behavior. The most cost-effective order for conducting Y2K testing is to first validate the operation for general days in 2000 and then to conduct

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specific time-shift tests (e.g., rollover from 12/31/1999 to 01/01/2000) according to the level of risk (Appendix C) and available resources.

3.4 **Time-Shift Testing.** One test technique used to uncover Y2K problems is known as Time-Shift Testing. Time-shift testing is simply the process of altering system clocks so that a future date and time appears to be the current date and time. This time-shifting technique is applied to the test environment to establish the dates for Y2K compliance tests. Time-shifting can be accomplished by physically changing the system clocks or by installing date simulation software that intercepts calls to the system clock. Note that time-related or time-dependent data in databases and manual input data may also need to be adjusted to make the data consistent with system clocks each time the system is time-shifted.

3.4.1 **Time-Shift Test Precautions.** Time-shift testing should be performed on systems that are isolated from both development and operations. Before beginning such testing, the system should be completely backed up to external media; procedures should have been previously tested and documented that describe how to back up the data, change the dates at all layers of the system architecture, and restore the data. After completion of time-shift testing, the media must be erased, and all backup files must be restored. Failure to do so risks the creation of anomalies arising from files and operating system services having dates in a future year.

3.4.2. **Required Test Dates.** Table 3-1 identifies the required dates that Centers must use, as a minimum, in testing low risk, medium risk, and high risk inventory items. Centers may select additional dates to test based on the complexity and risk level of the inventory item. These dates are listed as optional or recommended for each risk category.

3.4.3. **Rollover Exceptions.** There may be cases where low and medium risk inventory items opt to power down during the January 1, 2000 rollover. In these instances, inventory items do not necessarily have to be tested for the 12/31/1999>01/01/2000 date. These inventory items must, at a minimum, conduct time shift testing for random dates in the Year 2000 ensure general functionality is validated.

3.4.4. **Window Boundary (Backward Time) Testing.** These tests are required only for window techniques used to interpret 2-digit year dates. Testing shall ensure that the window boundaries (Appendix C) selected to resolve 2-digit year representations meet the following criteria:

- Do not exclude valid ranges in the data. Example: If the window boundary is set for 1930 for a personnel system, and if the current database contains information on an individual born prior to 1930, the information on this individual cannot be recognized as 20th century data.
- Test dates around the window boundaries ensure that the software properly interprets the century. For example, if a window boundary is set at "70," tests should ensure that "69" is interpreted as 2069, and 70 is interpreted as 1970.

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- 3.4.5 **Julian Dates.** Table 3-1 defines February 29 and March 1 as leap year test dates. These test dates are valid for systems that carry the day, month, and year. For systems that carry the Julian date, December 31 (day 366) and January 1 (day 1) are the dates appropriate for leap year testing. Where both date formats occur within a system, both tests apply.
- 3.4.6 **Date Expirations.** Date expirations may occur as a result of time shifting the system dates. Test preparation needs to identify and protect against date expirations. Examples of date expirations that may occur are:
- License expirations
 - File expiration dates that may delete files, data or programs, passwords and user IDs
 - Archive and Retrieval functions
 - Database delete functions
 - Network Access
 - Hierarchical storage functions.
- 3.5. **Levels of Testing.** A phased approach to testing reduces the cost and time to identify and correct errors and increases the probability that errors will be discovered. Unit and Integration testing uncover errors injected during Y2K code corrections. The cost and schedule for fixing errors at the unit and integration levels are significantly less than at the higher testing levels. System testing verifies the system performs its functions correctly and interfaces with other systems across and after the Y2K transition. Acceptance testing determines whether the system is ready for normal operation. End-to-end testing ensures that critical mission threads function correctly and will provide essential mission services across and after the Y2K transition.
- 3.5.1. **Required Test Levels.** Tables 3-1 through 3-8 in Section 3 of this document define the requirements Centers must follow in testing low, medium and high risk systems. For each level of risk, Tables 3.1 through 3-8 describe the test coverage, and entrance and exit criteria for completing the level of test specified. There is sufficient flexibility within the tables to allow the Centers to tailor these tests to their individual requirements. For example, Table 3-4 requires low risk systems to test basic system functions, but leaves it to the Centers to determine what constitutes the basic functions of the inventory item.
- 3.5.2 **Unit Level Test.** Unit testing focuses on identifying and correcting defects in modified or newly developed units before they are integrated with other units. Unit test criteria (Table 3-2) apply to the smallest defined renovated module, e.g., subprograms, subroutines, or procedures. Unit test does not apply to COTS. Table 3-2 contains unit test criteria, which are required for unit testing of renovated

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modules other than COTS. For unit test, the same level of test applies to all risk levels.

Example: If a unit computes the position of the moon, and was renovated for Y2K, it would be tested to ensure it still correctly computes the position of the moon. Where possible, existing test cases would be used for this verification. For Y2K testing, additional tests would be designed and run to ensure that the position of the moon is computed correctly for the relevant dates described in Table 3-1.

- 3.5.3 **Integration Level Test.** Integration testing focuses on uncovering module interface errors introduced during renovation and verifying that the integrated components are Y2K compliant. Integration test focuses on the internal interfaces of the inventory item. Integration level test is based on the systems requirement specifications for the inventory item. Centers have the option to certify COTS inventory items at the integration level or system level.

Example: For an orbit determination system inventory item consisting of hardware, unchanged software, and renovated software such as the moon position module, integration tests would ensure that the inventory item still produced the same results using existing test cases. For Y2K testing, tests would also verify correct Y2K interfaces to the moon position module by ensuring that the orbit computed used the correct moon position and other data for the relevant dates described in Table 3-1.

Table 3-3 contains integration test criteria, which is required for integration-testing of renovated program modules other than COTS.

- 3.5.4. **System Level Test.** System testing involves testing all of the integrated components of an inventory item, including interfaces external to the inventory item, data, and operational procedures against their requirements specification. The risk level assigned to that inventory item, as Table 3-4 describes, determines the scope and depth of system testing. Specialized tests run either separately or in some combination in an actual or simulated operational environment are run to verify that entire system performs as intended. Tests may include

- **Functional testing:** The purpose of functional or "black box" testing is to verify that the system correctly performs specified functions. As such, the test team's ability to design the functional tests is limited by the completeness and precision of the functional specifications. Starting with these specified functions, the test team develops test cases using a range of valid input conditions and options as well as invalid or unexpected inputs. The test team then compares the test outputs to expected outputs.
- **Performance testing:** The purpose of performance testing is to assess how well a system meets specified performance requirements. Like functional testing, performance testing can only be as complete and precise as the system's defined performance requirements. Examples of performance requirements include specified system response times under normal workloads (e.g., defined

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transaction volumes) and specified levels of system availability and mean times to repair.

- Regression testing: The purpose of regression testing is to demonstrate that newly added or modified system components (hardware or software) have not compromised system functionality and performance (i.e., have not introduced new errors).
- Stress testing: The purpose of stress testing is to analyze system behavior under increasingly heavy workloads (e.g., higher transaction rates) and severe operating conditions (e.g., high error rates, lower component availability rates), and, in particular, to identify points of system failure.

Example: For an orbit determination inventory item consisting of Flight Dynamics GOTS software, computer hardware and software, LAN connections to ground control systems and to White Sands Ground Terminal (WSGT): system level testing consists of verifying that the functions of each of these components operate correctly. Simulators are often used in testing external interfaces (e.g., the interface to WSGT). For systems that contain renovated code, the above tests are conducted using the current date, and results are compared against a known baseline. For Y2K testing, these tests are repeated for each of the relevant dates in Table 3-1. If the orbit determination inventory item is high risk, all system functionality and interfaces will be tested to the maximum extent possible, as described in Table 3-4.

For example, this may include testing orbit calculations for several moon positions. If the inventory item is medium risk, the functionality tested will be determined by the magnitude of the risk; for example, the number of moon position calculations will vary. If the inventory item is low risk, basic functionality will be tested. For example, the moon position may be ignored, as it has minimal effect on the orbit calculations.

System testing is required for all date affected inventory items. If certification is not performed at the integration level, certification is required at the system level.

- 3.5.5. **Acceptance Test Level.** Acceptance testing involves testing the entire information system, including interfaces with operational data. The degree of acceptance testing is based on risk level, as Table 3-5 describes. Acceptance testing should be done in a Y2K compliant environment with duplicate databases to avoid the risk of contaminating production systems and data.

Example: Refer to the example described for system testing. Operational scenarios developed for or by the ground systems operation team are performed in an operational environment using existing operational procedures. For systems that contain renovated code, the above tests are conducted using the current date, and results are compared against a known baseline. For Y2K testing, these tests are repeated for each of the relevant dates in Table 3-1. If the orbit determination inventory item is high risk, operational scenarios and operational data are used to verify that the system meets all operational requirements. The interfaces to the

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WSGT and the ground control system will be tested to the maximum extent possible, as described in Table 3-5. If the inventory item is medium risk, the operational requirements tested will be determined by the magnitude of the risk. If the inventory item is low risk, testing is optional.

- 3.5.6. **End-to-End Test Level.** End-to-end testing validates NASA overall readiness to perform its organizational mission for the Y2K. End-to-end testing validates critical system processing, interfaces, and data across the enterprise through the testing of selected mission or business threads. End-to-end testing verifies that a defined set of interrelated systems, which collectively support a key mission or business function or thread, interoperate as intended in an operational environment. Table 3-6 describes test criteria for end-to-end testing.

Example: Refer to the example described for system testing. Testing a critical thread may consist of receiving current time, position, and attitude data from WSGT, performing orbit calculations, and sending the orbit data over the LAN to one ground control station.

If the enterprise is high risk, critical threads will be tested as described in Table 3-6. If the inventory item is medium risk, selected operational scenarios will be tested. If the inventory item is low risk, end-to-end testing is optional.

The complexity of end-to-end testing varies depending on the type of system. In the case of human rated inventory items, the end-to-end testing may involve multiple systems across multiple NASA Centers and may involve interfaces external to NASA. NASA Centers are responsible for identifying and prioritizing the mission processing threads to be exercised for end-to-end testing and for coordinating with other NASA Centers and external interfaces to NASA to support these end-to-end tests.

- 3.6 **Test Facilities and Test Tools.** Testing on the scale demanded by the Year 2000 program may require a larger, more robust testing environment than may currently exist. Centers should review the applicability of local test environments for Y2K testing and enhance the existing environments where practical.

Centers should evaluate tool libraries that support existing testing activities for applicability to Y2K testing. Where practical, Centers should also consider acquiring additional Y2K test tools if use of the tools provides additional risk mitigation or improves budget/schedule performance.

- 3.7 **Test Documentation.** Test documentation must be included for low, medium, and high risk inventory items. Test plan details may vary depending upon the risk level. For example, a high risk system must have a separate test plan, while a low risk system may use the blank checklist as a test plan and the completed checklist as a test report. Test requirements in Table 3-7 apply to system level tests. Documentation at other test levels shall be consistent with existing Center practices.

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- 3.8. **Test Activity Metrics and Progress Reporting.** Centers should establish processes and metrics for reporting test activity and progress. Metrics should reflect progress against key test milestones and include key indicators of test processes and results.

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Table 3-1. Time-Shift Test Dates for Y2K Time Shift Testing

Date(s)	Day of Week	Purpose	Risk Level		
			Low	Medium	High
01/01/1999	Friday	Tests "99" Character Strings	*	*	*
04/09/1999	Friday	Tests "99" Character Strings	*	*	*
09/09/1999	Thursday	Tests Programmers Default Date	*	*	*
12/31/1999	Friday	Tests "99" Character Strings	*	*	*
12/31/1999 > 01/01/2000	Friday > Saturday	Y2K rollover - note 01/01/1900 was a Monday	Required***	Required***	Required
01/01/2000 > 01/02/2000	Saturday > Sunday	Y2K - note 01/02/1900 was a Tuesday	Optional	Optional	Optional
02/28/2000 > 02/29/2000	Monday > Tuesday	Tests Leap Year	Required	Required	Required
02/29/2000 > 03/01/2000	Tuesday > Wednesday	Tests Leap Year	Optional	Optional	Recommended
Day 365 > 366 (Y2000)	Saturday > Sunday	Julian Day rollover - Leap Year Test	Required**	Required**	Required**
Year 2000, Day 366 > Year 2001, Day 001	Sunday > Monday	Julian Day rollover - Leap Year Test	Optional**	Optional**	Recommended**
02/28/2004 > 02/29/2004	Saturday > Sunday	Tests Leap Year	Optional	Optional	Optional
02/29/2004 > 03/01/2004	Sunday > Monday	Tests Leap Year	Optional	Optional	Optional
Critical Business Dates	System Dependent	Boundary Testing around date	Recommended	Recommended	Required
Window Dates	System Dependent	Tests Window Boundaries and Backward Time Test****	Recommended	Recommended	Required
Random Dates in Year 2000	Varies	Regression test to ensure system works for various dates in the year 2000	Required	Required	Required

Legend

The ">" represents a rollover of the system clock(s) from the first date to the second date.
 Critical business dates for accounting systems examples: fiscal year rollover, quarterly dates, and year-end dates. For non-business systems, dates are those systems refer to dates which trigger periodic system processes such as backup or purge dates, or planning and scheduling processes. Fiscal year end processes need to be tested using 9/30/1997 > 10/01/1999 to ensure that the fiscal year changes to 2000.

* Strongly recommended for business systems, e.g.: payroll, human resources, financial tracking, and those using COBOL. Optional for other systems.
 ** Requirements apply to systems using Julian Dates only. Requirements do not apply to other systems.

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*** Low and medium risk inventory items that opt to power down during the January 1, 2000 rollover are not required to test the 12/31/1999>01/01/2000 date. These inventory items must, at a minimum, conduct time shift testing for random dates in the Year 2000 ensure general functionality is validated.

**** Backward Time Test (for window dates) ensures that 20th century data is accessible when system clocks are set to the 21st century.

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Table 3-2. Unit Level Test
(Required only for renovated components of inventory items)

Criteria	Risk Level		
	Low	Medium	High
Unit Test	Required	Required	Required
Test Coverage	All functions to maximum extent practical	Same as Low Risk	Same as Low Risk
Entrance Criteria	Components: Renovated Units except for COTS	Same as Low Risk	Same as Low Risk
Exit Criteria	Unit: Performs correctly for time-shift dates	Same as Low Risk	Same as Low Risk

Table 3-3. Integration Level Test
(Required only for renovated inventory items. However, may be used to certify COTS products.)

Criteria	Risk Level		
	Low	Medium	High
Integration Test	Recommended	Required	Required
Test Coverage	Related system components: renovated units except for COTS.	Same as Low Risk	Same as Low Risk
Entrance Criteria	System Components: Y2K compliant Data: Test data aged for time-shift dates	Same as Low Risk	Same as Low Risk
Exit Criteria	Renovated system components: Perform to specification for time-shift dates	Same as Low Risk	Same as Low Risk

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Table 3-4. System Level Test

Criteria	Risk Level		
	Low	Medium	High
System Test	Required	Required	Required
Test Coverage	<p>System Functions: Basic</p> <p>Interfaces: Tested to the maximum extent practical based on risk impacts and availability of compliant interfaces. Testing should include data bases, system-to-system, and user interfaces. Interfaces may be simulated.</p> <p>Operational Procedures: Review</p> <p>Data: Derived from subsets of operational data.</p> <p>System Components: Y2K compliant.</p> <p>Data: Data aged for time-shift dates</p>	<p>System Functions: Varies based on magnitude of risk</p> <p>Interfaces: Same as Low Risk</p> <p>Operational Procedures: Review & selectively test based on magnitude of risk</p> <p>Data: Same as Low Risk</p> <p>Same as Low Risk</p>	<p>System Functions : All to maximum extent practical</p> <p>Interfaces: Same as Low Risk</p> <p>Operational Procedures: Test procedures</p> <p>Data: Same as Low Risk</p> <p>Same as Low Risk</p>
Entrance Criteria	<p>System Functions, Interfaces and Data: Perform correctly for time-shift dates</p> <p>Operational Procedures: Support Y2K operations</p>	<p>System Functions, Interfaces and Data: Perform correctly for time-shift dates</p> <p>Operational Procedures: Support Y2K operations</p> <p>Performance Test (Recommended): Within acceptable limits</p>	<p>System Functions, Interfaces and Data: Perform correctly for time-shift dates</p> <p>Operational Procedures: Support Y2K operations</p> <p>Performance Test (Recommended): Within acceptable limits.</p> <p>Stress Test (Recommended): Within acceptable limits.</p>

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Table 3-5. Acceptance Test Level

Criteria	Risk Level		
	Low	Medium	High
Acceptance Test	Optional	Recommended	Required
Test Coverage	N/A	Varies based on magnitude of risk	System Requirements
Entrance Criteria	N/A	Systems: Certified compliant. Interfaces: Varies based on magnitude of risk	Systems: All certified compliant. Interfaces: Tested to the maximum extent practical. Testing should include data bases, system-to-system, external, and user interfaces. Interfaces may be simulated if testing with operational interfaces is not practical.
Exit Criteria	N/A	Data: Operational Data aged for time-shift dates. System Functions, Interfaces and Data: Perform correctly for time-shift dates.	Data: Operational Data aged for time-shift dates. System Functions, Interfaces and Data: Perform correctly for time-shift dates.

Table 3-6. End-to-End Test Level

Criteria	Risk Level		
	Low	Medium	High
End-to-End Test	Optional	Recommended	Required
Test Coverage	N/A	Selected operational scenarios	Critical Mission Threads
Entrance Criteria	N/A	Systems: Acceptance Tested Interfaces: External interfaces and others that support the operational scenarios Scenarios: Defined for testing; varies based on magnitude of risk Data: Operational Data aged for time-shift dates	Systems: Acceptance Tested. Interfaces: Interfaces that support critical Mission Threads Mission Threads: Defined for testing Data: Operational Data aged for time-shift dates.
Exit Criteria	N/A	System Functions & Interfaces perform correctly for the time-shift dates	Operational mission: Meet mission requirements for the time-shift dates

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Table 3-7. Test Documentation

Criteria	Risk Level		
	Low	Medium	High
Documentation Maintained by Organization	<p>Test Plan/Test Procedures: Optional</p> <p>Completed Checklist: Required</p> <p>Certification Form signed by NASA Official: Required</p>	<p>Test Plan/Test Procedures: Optional (depends on risk magnitude).</p> <p>Test Report or Completed Checklist: Required</p> <p>Certification Form signed by NASA Official: Required</p>	<p>Test Plan/Test Procedures: Required</p> <p>Test Report or Completed Checklist: Required</p> <p>Certification Form signed by NASA Official: Required</p>

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Table 3-8. Y2K Minimum Required Tests Summary

Criteria	Risk Level		
	Low	Medium	High
Time Shift Dates (applicable to each test level)	12/31/1999 > 01/01/2000 02/28/2000 > 02/29/2000	12/31/1999 > 01/01/2000 02/28/2000 > 02/29/2000	12/31/1999 > 01/01/2000 02/28/2000 > 02/29/2000 Critical Business Dates Window Dates
Random Dates in 2000	Regression tests to Validate Functionality	Regression tests to Validate Functionality	Regression tests to Validate Functionality
Unit Test Level	All functions in renovated unit (except COTS) - to maximum extent practical Related system components: renovated units except for COTS. However, may be used to certify COTS products.	All functions in renovated unit (except COTS) - to maximum extent practical Related system components: renovated units except for COTS. However, may be used to certify COTS products.	All functions in renovated unit (except COTS) - to maximum extent practical Related system components: renovated units except for COTS. However, may be used to certify COTS products.
Integration Test Level			
System Test Level	System Functions: Basic Interfaces: Maximum extent practical based on risk impacts Operational Procedures: Review	System Functions: Varies based on magnitude of risk. Interfaces: Maximum extent practical based on risk impacts Operational Procedures: Review & selectively test based on magnitude of risk Data: Derived from subsets of operational data.	System Functions : All Interfaces: Maximum extent practical based on risk impacts Operational Procedures: Test procedures Data: Derived from subsets of operational data
Acceptance Test Level			System Requirements
End-To-End Test Level			Critical Mission Threads

Section 4. Guidelines on Y2K Compliance Criteria

This section provides general guidelines for NASA Centers to follow when determining the compliance of inventory items. Inventory items should satisfy four date-related criteria; items meeting all four can be considered "Y2K-compliant." Table 4-1 lists criteria for use in assessing inventory items for Y2K compliance.

Table 4.1. Criteria for Y2K Compliance

Criterion	Description
General integrity	No value for current date will cause interruptions in normal operation.
Date integrity	All manipulations of calendar-related data (dates, durations, days of week, etc.) will produce desired results for all valid date values within the application domain.
Explicit century	Date elements in interfaces and data storage permit specifying century to eliminate date ambiguity.
Implicit century	For any date element represented without century, the correct century is unambiguous for all manipulations involving that element.

4.1. Criteria for Y2K compliance. Criterion serves as a high-level requirement for hardware and software. The following discussion elaborates on each:

4.1.1. **General integrity.** As a system date advances normally on a host processor, each date rollover must not lead either the host process or any software executing there to erroneous processing. The best recognized high-risk date change is the rollover to 2000. The term "desired results" in Table 4-1 is intentionally broad and must be interpreted for specific technologies and applications.

4.1.2. **Date integrity.** This criterion primarily covers the correctness of manipulations of date data as enumerated in Table 4-2. These manipulations need to be reliable only over the range of dates that an application is expected to handle. For example, sales-order processing may handle dates from 5 years in the past to 1 year in the future. In contrast, an employee database may store dates of birth from early in the 20th century to planned retirement dates well into the 21st century.

4.1.3. **Explicit century.** This criterion essentially requires the capability to store explicit values for century. For example, third-party products that can use a 4-digit year in all date data elements stored and passed across each interface (including the user interface) would satisfy this criterion. A base-and-offset representation of dates that covers all centuries of interest would also satisfy this criterion. Whether this capability should be used to eliminate century ambiguity is part of the last criterion.

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Table 4-2. Variety of Manipulation of Date Data

Category	Examples of manipulation
Arithmetic	<ul style="list-style-type: none"> • Calculate the duration between two dates • Calculate date based on starting date and duration • Calculate day of week, day within year, week within year
Branching	<ul style="list-style-type: none"> • Compare two dates
Format	<ul style="list-style-type: none"> • Convert between date representation (YMD, Julian, etc.) • Reference same data address with different variables
Data storage	<ul style="list-style-type: none"> • Storing and retrieving • Sorting and merging • Searching • Indexing on disk file or database table • Moving data within primary memory
Extended semantics	<ul style="list-style-type: none"> • "99" as special value for year • "99.365" as special value for Julian date • "00" as special value for year

4.1.4. **Implicit century.** This last criterion requires that, if the century is not explicitly provided, its value can be correctly inferred with 100 percent accuracy from the value of date provided. For example, the range of values for an "invoice date" would very rarely span more than 10 years. Because the century can always be guessed correctly for an invoice date with a 2-digit year, this date data element would satisfy this criterion. Note that this criterion permits cost-risk tradeoffs that minimize changes to existing date formats.

4.2. **Interpretation of the Criteria.** Although the four criteria fully define Y2K compliance, compliance represents a balance between cost and risk rather than an absolute "yardstick." Such a balance will vary according to programmatic or business needs and technology. Table 4-3 contains an interpretation of the criteria as an example. Note the importance of clearly identifying the calendar by name, the specific date ranges for relevant compliance, reasonable latitude in date format, and situations under which implicit century values will be tolerated. Also note that certain exceptions are included to support important options for optimal cost/risk tradeoff.

4.3. Standardizing the format for date data is an important part of Y2K compliance. For NASA systems, the Federal Information Processing Standard (FIPS) 4-1, *Representation of Calendar Date and Ordinal Date for Information Interchange*, applies. FIPS 4-1 adopts the ANSI standard X3.30-1988(R1991). The standard provides for implementation of both 4-

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digit and 2-digit year formats in date information. In March 1996, the National Institutes of Standards (NIST) issued a change notice to the standard recommending the use of the 4-digit year format in information that is interchanged with other organizations. Also, in March 1996, NIST issued a Computer Systems bulletin on "The Millennium Rollover: The Y2K Problem."

- 4.4. NASA will use only the 4-digit date format defined in FIPS 4-1 for external data exchanges, unless an alternative format is mutually negotiated, and will follow the guidance contained in the March 1996 NIST bulletin. The year should encompass a 2-digit century that precedes, and is contiguous with, a 2-digit year-of-century (e.g., 1999, 2000, etc.). The 4-digit date format is recommended but not required for internal NASA systems and applications. Alternative formats or expansion approaches (e.g., windowing) may be appropriate given cost or other technical considerations.

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Table 4-3. Interpretive Example of Y2K Compliance Criteria

Criterion	Description of criterion	Interpretation of criterion
General integrity	No value for current date will cause interruptions in normal operation.	<ul style="list-style-type: none"> All software on all platforms will function correctly for all values of system date between 1985-01-01 and 2035-12-31. Of special interest are the following dates and the ability to roll over to the correct next date: 1998-12-31, 1999-09-09, 1999-12-31, 2000-01-01, 2000-02-28, 2000-02-29, 2000-03-01, 2000-12-31, 2001-01-01
Date integrity	All manipulations of calendar-related data (dates, durations, days of week, etc.) will produce desired results for all valid date values within the application domain.	<ul style="list-style-type: none"> All date values and calculations are based on the Gregorian calendar as defined in <i>Encyclopedia Briannica</i>, 15th edition, 1994, p. 430. Computing assets must correctly handle all representation and manipulation of dates with values between 1900-01-01 and 2050-12-31. Especially important is that all years in this 150-year range divisible by 4 are leap years except 1900. All software developed for NASA must initialize all date elements with either all zeros (0000-00-00) or null values. Null values are defined for each application by the development facilities, such as language compilers. A null-value feature is strongly recommended in third-party-software selection. All developed software must not contain literals or constants for dates unless required to capture specific business rules such as calculations of payroll deductions. All developed software must not use special date values as logical flags, such as "99" as year to mean "no end date" or "00" to mean "does not apply." <p>Exceptions: Valid date ranges in existing developed or existing third-party software may start with the oldest date value in the application's archived data rather than with 1900-01-01 when there is no business need to support earlier dates.</p>
Explicit century	Date elements in interfaces and data storage permit specifying century to eliminate date ambiguity	<ul style="list-style-type: none"> All developed and third-party software must permit the use of date formats that explicitly specify century in all date data stored or transmitted. The format of these date elements must be YYYYMMDD or YYYYJJJ as specified by ANSI X3.30-1985(R1991) unless superseded by another application-specific standard or convention. In storing or transmitting date data, some applications must conform to domain-specific standards, contractual agreements, or application program interfaces to necessary third-party products whose date formats must supersede ANSI X3.30 as appropriate within the application. Third-party products must permit formatting data with explicit century in the user interface. All developed applications using third-party products must always explicitly supply century and never rely on those products' default value for century. <p>Exceptions:</p> <ul style="list-style-type: none"> For date data formatted for a user interface, it is acceptable to use punctuation (slash, hyphen, period, comma) within a formatted date, to spell out or abbreviate the name of the month, or to reorder year-month-day to serve customs among the end-users. DBMSs that cannot store date in conformance with SQL standards but do store century explicitly (such as "DD-mmm-YYYY") are acceptable. Default values for century are permitted only when supplied by data-entry aids and the end-user can verify the defaulted value before committing the data.
Implicit century	For any date element represented without century, the correct century is unambiguous for all manipulations involving that element.	<ul style="list-style-type: none"> Century must be explicit in all date data stored or transmitted unless the correct century can be inferred with 100% accuracy based on the value for date. Explicit century is preferred where practical. Developed and third-party software may imply century in the user interface in the format, YYMMDD or YYJJJ (as specified by ANSI X3.30). In storing or transmitting date data, some applications must conform to domain-specific standards whose requirements for dates may supersede ANSI X3.30 as appropriate within the application. <p>Exceptions:</p> <p>For date data formatted for a user interface, it is acceptable to use punctuation such as slash within a formatted date, to spell out or abbreviate the name of the month, or to reorder year-month-day to serve customs among the end-users.</p>

Appendix A

Certification Signoff Form Examples

July 2, 1998

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Y2000 Project Manager

Name _____

Signature _____

Date _____

**APPENDIX A2
NASA Center Level**

**Y2000 Inventory Item Certification
for NASA Tested Items**

Completion of this form indicates that the inventory item identified below including its components (hardware, software, firmware, and COTS) has passed the NASA Y2K required test. Based on these tests, the inventory item is now ready for operational or production use.

NASA Center: _____ Inventory Item: _____ Inventory No. _____
Date Certified: _____ Mission Critical ____ Non-Mission Critical ____
Risk Level: _____ Level of Test Conducted _____

Comments:

I certify this inventory item successfully meets NASA Y2000 test requirements commensurate with its risk level.

NASA Manager

Name _____ Signature _____ Date _____

Y2000 Project Manager

Name _____ Signature _____ Date _____

**APPENDIX A3
NASA Center Level**

Y2000 Inventory Item Certification

For Not Date Affected Items

Completion of this form indicates that the inventory items identified below are not affected by the Y2K rollover.

NASA Center: _____

Inventory Item	Inventory No.	Date Certified	NASA Manager	Manager Signature	Date
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Comments: _____

I certify that the inventory items above are not date affected.

Y2000 Project Manager

Name _____ Signature _____ Date _____

Appendix B

Certification Checklist Example

Appendix B

Sample NASA Y2K Compliance Checklist

NASA Manager _____

Date _____

Inventory Item _____

Inventory No. _____

The purpose of this checklist is to ensure NASA inventory item components are Y2K compliant. This form is to be used for the Y2K testing and certification process for all of the developed, COTS and Government off-the-shelf (GOTS) software, hardware, and firmware.

Please respond to each question with the appropriate answer.

Product Identification (an asterisk indicates an optional question)	
1. Please provide product information	
a. Name of product	
b. Name of Vendor (if COTS or GOTS)*	
c. Operational date of product (current or a future date)*	
d. Planned or actual replacement/retirement date of product	Retirement date _____ Replacement date _____
e. For planned replacements what is the contingency plan and under what conditions will it be invoked?*	
f. What are the safety critical portions of the product if any?*	
2. Each product has its own window of time, before and after the present date, in which it functions. Planning and scheduling products work with dates that are weeks, months, and years in the future. For your product and its window of time, verify its ability to successfully process data containing dates with no adverse effect on the application's functionality and with no impact on the customer or end user beyond adjustment to approved changes in procedures and data formats.	
a. Dates in 20 th century (1900s)	Verified () No() N/A()
b. Dates in 21 st century (2000s)	Verified () No() N/A()
c. Dates across century boundary (mix 1990s & 2000s)	Verified () No() N/A()

NASA Year 2000 Test and Certification Guidelines and Requirements

d. Crosses 1999 to 2000 successfully	Verified ()	No()	N/A()
--------------------------------------	---------------------	----------	-----------

NASA Year 2000 Test and Certification Guidelines and Requirements

Other/Indirect Date Usage	
3. Have you verified performance (and corrected if necessary)?	
a. Dates embedded as parts of other fields	Verified () No() N/A()
b. Dates used as part of a sort key	Verified () No() N/A()
c. Usage of values in date fields for special purposes that are not dates (e.g. using 9999 or 99 to mean "never expire")	Verified () No() N/A()
d. Date dependent activation/deactivation of: passwords, accounts, commercial licenses	Verified () No() N/A()
e. Date representation in the operating product's file product (creation dates and modification dates of files and directories)	Verified () No() N/A()
f. Date dependent audit information	Verified () No() N/A()
g. Date dependencies in encryption/decryption algorithms	Verified () No() N/A()
h. Date dependent random number generators	Verified () No() N/A()
i. Date dependencies in firmware	Verified () No() N/A()
j. Personal Computer BIOS and RTC does not reset the year to 1980 or 1984 on reboots after 31 Dec 1999 (corrections by operating product utilities allowed)	Verified () No() N/A()
Leap Year	
4. Product accurately recognizes and processes Year 2000 as a leap year.	
a. February 29, 2000 is recognized as a valid date	Verified () No() N/A()
b. Julian date 00060 is recognized as February 29, 2000	Verified () No() N/A()
c. Julian date 00366 is recognized as December 31, 2000	Verified (), No() N/A()
d. Arithmetic operations recognize Year 2000 has 366 days	Verified () No() N/A()
Usage of Dates Internally	
5. Internal application usage of dates and date fields must be clear and unambiguous in the context of the products which use them.	
a. Display of dates is clear and unambiguous (the ability to correctly determine which century a date belongs either by explicit display, i.e. 4-digit year,	Verified () No() N/A()

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or product or customer inference)	
b. Printing of dates is clear and unambiguous	Verified () No() N/A()
c. Input of dates is clear and unambiguous	Verified () No() N/A()
d. Storage of dates is clear and unambiguous	Verified () No() N/A()
6. External interactions are identified and validated to correctly function for all dates.	
a. Interaction between this product and any other external time source, if existing, has been verified for correct operation.	Verified () No() N/A()
b. You and the responsible organization for each interface have negotiated an agreement dealing with Year 2000 issues	Verified () No() N/A()
Date Field Type	
7. Describe the type of date fields used by the Product, in either software or databases.	
a. Does the product use 4-digit year data fields?	Verified () No() N/A()
b. Does the product use 2-digit year data fields?	Verified () No() N/A()
c. If 2 digit, does the product use a century logic technique to correctly infer the century?	Verified () No() N/A()
d. At what date will the century logic fix fail?	
e. Are there any internal data types for dates?	Yes () No ()
If yes to e, what is the range of dates that the date field can represent?	
Year 2000 Testing Information	
8. Please provide the following information with regard to testing the product for Year 2000 compliance	
a. Testing Organization	
b. Name of Test Team Chief	
c. Date that Year 2000 compliance testing was completed	
d. How was Year 2000 compliance determined? (certified by vendor or contractor, tested in-house, inspected but not tested, etc.)	
e. Are the test data sets available for regression testing on the next version release for questions 2,3,4,5,6,7d, and 7e?	Yes () No ()

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f. Are the detailed test results and reports available for review and audit for questions 2,3,4,5,6,7d, and 7e?	Yes () No ()
g. Do you follow a defined process for tracking the status of all Year 2000 problems reported, changes made, testing, compliance, and return to production?	Yes () No ()

Name of Interface External to the Inventory Item	Interfacing System	Test Date	NASA Signature

Component Name	H/W S/W F/W COTS	Test Date	NASA Signature

Appendix C
Glossary of Terms

Appendix C

Glossary of Terms

Acceptance Testing

Testing the entire information system, including interfaces with operational data.

Application

A computer program designed to help people perform a certain type of work. Depending on the work for which it was designed, an application can manipulate text, numbers, graphics, or a combination of these elements.

Application testing

Required for each converted or replaced application.

Backward time testing

The ability to access all twentieth century data when system clocks are set to twenty-first century dates.

Baseline testing

Establishes the functional, interoperability, and performance baselines for system components undergoing Year 2000 renovation in advance of the application of the conversions. Such a baseline serves as the expected results for any regression testing after renovation.

Business area

A grouping of business functions and processes focused on the production of specific outputs.

Business cycle date

Recurring dates established because of the business cycle (e.g. payday, month end, year-end, quarterly reporting).

Business function

A group of logically related tasks that are performed together to accomplish an objective.

Business risk

The possibility that a business operation or service will fail because of a Y2K problem.

Certification

Indicates that an inventory item, including its system component (hardware, software, firmware, and COTS), has passed the NASA Year 2000 test criteria on the basis of its risk level. Vendors may also certify Y2K compliance.

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Component

A single resource with defined characteristics. The component concept is used in defining precise specifications for testing the validity of various resources. These components are also defined by their relationship to other components.

Configuration management

The continuous control of changes made to a system's hardware, software, and documentation throughout the development and operational life of the system.

Contingency plan

In the context of the Year 2000 program, a plan for responding to the loss of a system because of a Year 2000 problem. In general, a contingency plan describes the steps the enterprise would take--including the activation of manual or contract processes--to ensure the continuity of its core business processes in the event of a Year 2000-induced system failure.

Conversion

The process of making changes to databases or source code.

Critical process

An information processing function needed to deliver a primary business service or mission objective.

Critical thread

Threads are a subset of processes and datasets (data threads) across an enterprise that produces or delivers a service or end product. Critical threads are those enterprise or end-to-end threads that are critical to the business or mission.

Database

An aggregation of data; a file consisting of a number of records or tables, each of which is constructed of files of a particular type, together with a collection of operations that facilitate searching, sorting, recombination, and similar operations.

End-to-End testing

Validation of all system processing, interfaces, and data across the enterprise by testing critical threads.

Entrance criteria

Conditions needed to begin testing.

Exit criteria

Conditions needed to successfully complete testing.

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High Risk System

The system is classified as high risk if it meets any one of the following three criteria:

- Safety or human life is jeopardized by long or short term disruption of the service or product.
- Unscheduled disruptions in the service or product cannot be tolerated.
- Unscheduled disruption of service will put NASA at a disadvantage

Infrastructure

The computer and communication hardware, software, databases, people, and policies supporting the enterprise's information management functions.

Integration testing

Testing to determine that the related information system components perform to specification.

Interface

A boundary across which two systems communicate. An interface might be a hardware connector used to link to other devices, or it might be a convention used to allow communication between two software systems.

Inventory

In the context of a Year 2000 program, the process of determining the components that comprise the agency's systems portfolio. The inventory should include all applications, databases, files, and related system components that will require inspection to locate data and related date computations.

Low Risk System

The system is classified as low risk if it meets either of the following criteria:

- Long duration, unscheduled disruption in the service or product can be tolerated. For example, disruption for up to 25 hours can be tolerated.
- Alternative means can provide a minimum-level of the same service or product.

Medium Risk System

The system is classified as medium risk if it meets either of the following criteria:

- Unscheduled disruptions for more than a short period of time will put NASA at a disadvantage. For example, disruptions for more than 1 hour will put NASA at a disadvantage.
- Only short duration, unscheduled disruptions in the service or product can be tolerated. For example, unscheduled disruptions for 3 hours or less can be tolerated.

NASA Year 2000 Test and Certification Guidelines and Requirements

Metrics

Means by which software engineers measure and predict aspects of processes, resources, and products that are relevant to the software engineering activity.

Mission-critical System

Mission Critical System - A system is classified mission critical if it meets any one of the following four criteria:

- Requires special management attention because of its importance to the Agency mission or impact on the administration of Agency programs, finances, property, or other resources.
- Involves functions that affect safety or human life.
- System has high impact or risk. Negative impact on system would place NASA at significant or irreparable disadvantage. Failure has potential for catastrophic or significant loss of tangible assets or resources.
- Significant financial value.

Non-Mission Critical System

The system is non-mission critical if it meets any one of the following two criteria:

- Requires management attention because it supports important, but non-mission critical, functions or processes.
- System has minimal impact and risk. Negative impact on system would have minimal impact on missions or critical administrative processes. Failure has potential for loss of some tangible assets or resources.

Operating system

The software that schedules tasks, allocates storage, handles the interface to peripheral hardware, and presents a default interface to the user when no application program is running.

Performance testing

Testing to assess how well a system meets specified performance requirements. Examples of performance requirements include specified system response times under normal workloads (e.g., defined transaction volumes) and specified levels of system availability and mean times to repair.

Platform

The foundation technology of a computer system. Typically, a specific combination of hardware and operating system.

Production

The system environment where the agency performs its routine environment information processing activities.

NASA Year 2000 Test and Certification Guidelines and Requirements

Regression testing

Testing to demonstrate that newly added or modified system components (hardware or software) have not compromised system functionality and performance (i.e., have not introduced new errors).

Renovation

Conversion of an existing application.

Replacement

Development of a new application or upgrade of an existing application.

Retirement

Decommissioning of an existing application or component.

Risk assessment

A continuous process performed during all phases of system development to provide an estimate of the damage, loss, or harm that could result from a failure to successfully develop individual system components.

Risk based testing

Selective testing of system components, interfaces and data based on impacts of their failures to the business or mission.

Risk management

A management approach designed to reduce risks inherent to system development.

Standard

In computing, a set of detailed technical guidelines used as a means of establishing uniformity in an area of hardware or software development.

Stress testing

Testing to analyze system behavior under increasingly heavy workloads (e.g., higher transaction rates) and severe operating conditions (e.g., high error rates and lower component availability rates).

System testing

Testing to determine that the results generated by the enterprise's information systems and their components are accurate and that the systems perform to specification.

Test

The process of exercising a product to identify differences between expected and actual behavior.

NASA Year 2000 Test and Certification Guidelines and Requirements

Test facility

A computer system isolated from the production environment dedicated to testing and validating applications and system components.

Time shift test

Setting system clocks to a future date for validation of Year 2000 compliance.

Unit testing

Testing to determine that individual program modules perform to specification.

Utilities

Computer programs designed to perform maintenance work on the system or on system components--for example, a storage backup program, a disk or file recovery program, or a resource editor.

Validation

The process of evaluating a system or component during or at the end of the development process to determine whether it satisfies specified requirements.

Windowing

A technique for inferring the century from 2-digit year dates. Example: all years 70-99 are interpreted as century 1970-1999, and all years 00-69 are interpreted as 2000-2069.

Window boundaries

Dates at the extremes of the windows. For the Windowing example, window boundaries are 69-71 and 99-01.

Window dates

2-digit year dates occurring within a window. For the Windowing example, 70 - 99 are window dates.

Year 2000 compliant

"Year 2000 compliant" means, with respect to information technology, that the information technology accurately processes date/time data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations, to the extent that other information technology, used in combination with the information technology being acquired, properly exchanges date/time data with it." (48 CFR Part 39.002)

Year 2000 critical business cycle date

Information system critical processing dates (e.g. day of the week, month, quarter, year) determined by the business cycle.

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Year 2000 event horizons

The first date prior to January 1, 2000 that systems encounter a date on or after January 1, 2000 and the last date on or after January 1, 2000 that systems encounter a date prior to January 1, 2000.

Year 2000 problem

The potential problems and its variations that might be encountered in any level of computer hardware and software from microcode to application programs, files, and databases that need to correctly interpret year-date data represented in 2-digit-year format.

Appendix D

Date Dependency Checklist

Appendix D

Date Dependency Checklist

The following is a sample list of common date usages found in automated information systems. Components of inventory items not impacted by dates will exhibit none of these date usages. A specific inventory component may, however, require that additional forms of date usage be examined to determine date dependency (or non-dependency) because of the nature of the component and/or its functionality. Similarly, some forms of date usage may not apply to a given component.

Note that various date formats may be employed in each of the usages identified in the checklist below and that verification of non-date dependency may require checking for several different date formats for a given usage. Verification may be accomplished by various means, for example, inspection, observation, scanning, or by using automated tools (e.g., commercial Y2K code scanners), as appropriate for the component.

In general, for compliance assessment purposes, a component of an inventory item is said to have no date impact if the following conditions apply:

- There is no use of dates in the component.
- No dates are generated within the component.
- No date manipulation/calculations/comparisons are performed.
- No date logic of any kind is performed.
- No date moves are performed.
- Dates are neither input nor output from the component.
- Although date fields are not used for date representations, it is ensured they are also not used for other purposes such as "9's comparison" fields (e.g., use of 9999 as a termination code)

Data Dependency Checklist

Inventory Item: _____ Inventory No.: _____

Inventory Item Component Name and Version/Date/Model Number (as appropriate): _____
 Organization Performing Date Dependency Check: _____

Name of Individual/Team Lead Performing Date Dependency Check: _____

Checklist	Yes	No	N/A	How Verified
Date used explicitly in code				
Date calculations in computation algorithms				
Dates embedded as parts of other fields				
Dates used as part of a sort key				
Use of data files with dates in them				
Usage of values in date fields for special purposes that are not dates (e.g. using 9999 or 99 to mean "never expire").				
Date-dependent activation/deactivation of: passwords, accounts, commercial licenses				
Date-dependent activation/deactivation of: scripts, subprograms, programs, other code execution				
Date-dependent activation/deactivation of: system functionality, alarms, exception procedures				
Date-dependent activation/deactivation of: operational procedures, backups, logging				
Date representation in file products (creation dates and modification dates of files and directories)				
Date dependent audit information				
Date dependencies in encryption/decryption algorithms				

NASA Year 2000 Test and Certification Guidelines and Requirements

Checklist	Yes	No	N/A	How Verified
Date-dependent random number generators				
Use of internal data types for dates				
Use of system date utilities or functions				
Use of software libraries that employ date functions, date-related information, or accept date input				
Date dependencies in firmware				
Display of dates				
Printing of dates				
Graphical displays or plots that portray date-related information				
Operator input of dates				
Operator input information (e.g., commands, data) that may be date-related				
Input of dates from disk				
Input of dates from tape				
Input of dates from CD ROM				
Input of dates from databases				
Input of dates from external systems				
Messages or E-mail that contain dates in header information				
Storage of dates on disk				
Storage of dates on tape				
Storage of dates on CD ROM				
Storage of dates in databases				
Data transfers across external interfaces, either as input to the component or output from it.				
Programmable Logic Controller (PLC) date displays				
Embedded systems or subsystems that employ dates				
Digital panels/readouts containing dates				

NASA Langley Research Center Y2K (Y2000) Compliance Verification Form

- IT Item Name/System, Short Description & Risk Level

- Documentation attachments (check off the applicable)
 - No Date Dependency Checklist
 - Vendor Documentation for COTS Products
(Software, Hardware, Firmware)
specify _____
 - Y2K Test Plan (appropriate to risk level)
 - Y2K Test Results (appropriate to risk level)
 - System Documentation
 - Y2K Compliancy Checklist
 - Project Plan for major Y2K Renovations
 - Other _____

- Comments:

I certify the IT Item/System provided has been tested for Y2K compliance in accordance with "NASA Y2000 Test and Certification Guidelines and Requirements" document and that the test(s) results indicate that the IT Item/System is compliant.

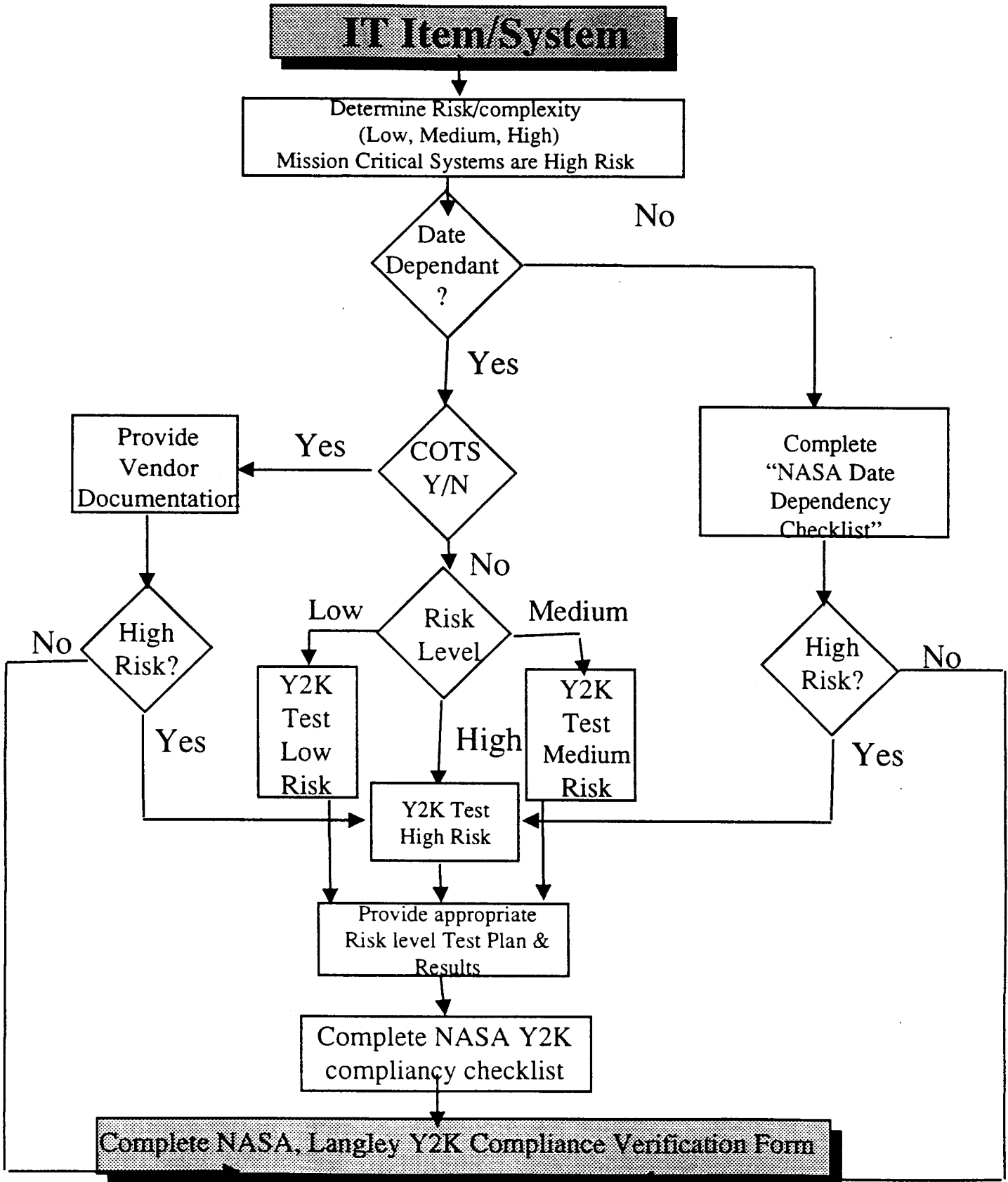
-Contractor Official _____ Date _____

Concurrence

-NASA (Technical Official) _____ Date _____

Y2K COMPLIANCE VERIFICATION

Decision Tree For Documentation And Testing Requirements



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 67	3. EFFECTIVE DATE AUG 25 1998	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (# applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (# other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
 PR: GM.4216; JO: A5160; obligate \$79,579 (complete), PR: GM.4233; JO: M1791; obligate \$150,000 (complete), PR: GML.1271; JO: M3786; obligate \$70,000 (complete)

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

E. IMPORTANT: Contractor is not is required to sign this document and return 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 The purpose of this modification is to provide incremental funding in the amount of \$299,579. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		JOAN Y. CREPPS	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY <i>Joan Y. Crepps</i> (Signature of Contracting Officer)	8/25/98

FILE COPY

A. Incremental Funding in the amount of \$299,579 is being provided as follows: funding for cost will be increased by \$299,579; funding for fee will be increased by \$0. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

“B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$11,732,390. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996 through October 12, 1998.

(b) An additional amount of \$699,916 is obligated under this contract for payment of fee.”

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 27	\$7,735,374	\$437,396	\$8,172,770	\$7,069,629
Mod. 28	1,009,373	42,922	1,052,295	0
Mod. 29	0	0	0	100,000
Mod. 30	0	0	0	94,664
Mod. 31	0	0	0	80,000
Mod. 32	0	0	0	75,000
Mod. 33	0	0	0	0
Mod. 34	344,907	17,616	362,523	264,382
Mod. 35	0	0	0	0
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Mod. 58	0	0	0	0
Mod. 59	167,018	8,973	175,991	1,025,000
Mod. 60	0	0	0	0
Mod. 61	(973,722)	(59,689)	(1,033,411)	0
Mod. 62	27,052	1,125	28,177	0
Mod. 63	16,463	672	17,135	0
Mod. 64	0	0	0	263,103
Mod. 65	0	0	0	475,466
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Total	\$15,169,282	\$705,636	\$15,874,918	\$12,432,306

Funding includes \$11,732,390 for cost and \$699,916 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Status
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	Complete
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	Complete
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	Complete
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	Complete
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	Complete
I001.00	10,460	420	\$10,880	10,880	Mod. 15	Complete
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	Complete
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	Complete
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	Complete
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	Complete
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	Complete
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	Complete
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	Complete
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	cancelled
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	Complete
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	Complete
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	Complete
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	Complete
HA003	344,907	17,616	\$362,523	362,523	Mod. 34	Complete
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	Complete
GM003	303,302	12,518	\$315,820	300,000	n/a	Complete
HB002.01	21,853	1,046	\$22,899	22,899	n/a	Complete
AF010	1,295	78	\$1,373	1,373	Mod. 39	cancelled
AF011	2,643	159	\$2,802	2,802	Mod. 39	cancelled
AF012	199,302	8,757	\$208,059	208,059	Mod. 41	Active
HB002.02	13,560	590	\$14,150	14,150	n/a	Complete
AF006	61,669	3,071	\$64,740	62,746	Mod. 26	cancelled
AF009	187,847	8,049	\$195,896	195,896	Mod. 26	Active
GMG001.02	744,314	31,467	\$775,781	762,018	Mod. 26	Complete
GMG002	28,507	1413	\$29,920	30,450	Mod. 26	cancelled
HB002.03	11,412	312	\$11,724	11,724	n/a	Active
GM003.01	TBD			200,000	n/a	pending
HA003.01	167,018	8,973	\$175,991	179,662	n/a	Active
HB002.04	27,052	1,125	28,177	28,177	n/a	Active
HB003	16,463	672	\$17,135	19,001	N/a	Active
			\$ 0			
			\$ 0			
			\$ 0			
			\$ 0			
Total	\$3,907,425	\$173,462	\$4,080,887	\$4,237,927		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 68	3. EFFECTIVE DATE SEP 17 1998	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (if applicable)
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6. ISSUED BY CODE	7. ADMINISTERED BY (if other than Item 6) CODE
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO.
	X	NAS1-20650 10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 18-52.216-76 Award Fee for Service Contracts (SEP 1993)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is revise the award fee available for the fifth award fee period to reflect the amount earned as determined by the Government. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY CONTRACTING OFFICER	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Lisa M Harvey</i>	16C. DATE SIGNED 9/17/98
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

file

Section B., B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE, Paragraph B, the award fee available for the fifth award fee period is \$128,400 and is shown below:

"B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$96,000
August 1, 1996 - January 31, 1997	\$90,000
February 1, 1997 - July 31, 1997	\$155,772
August 1, 1997 - January 31, 1998	\$101,313
February 1, 1998 - July 31, 1998	\$128,400
August 1, 1998 - January 31, 1999	\$113,767"

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 2

2. AMENDMENT/MODIFICATION NO. 69
3. EFFECTIVE DATE 9/30/98
4. REQUISITION/PURCHASE REQ. NO. GM 4219
5. PROJECT NO. (if applicable)

6. ISSUED BY CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-2199
7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102
(x) 9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-20650
X 10B. DATED (SEE ITEM 13)
2/1/96
CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
Previously obligated via Mod. 66, \$4950; This Mod. 69, \$50; TOTAL OBLIG: \$5,000; A5160; 282-30-02
COMPLETE

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
52.243-2, Changes, Cost Reimbursement (AUG 1987) Alternate II (APR 1984)
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

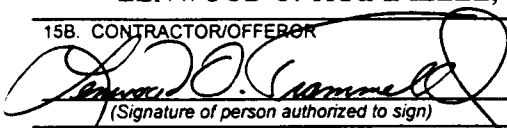
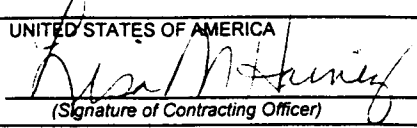
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a no-cost full and equitable adjustment pursuant to the Changes clause as a result of the specification being changed via Mod. No. 66. In addition, incremental funding is also being added to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

Incremental Funding in the amount of \$5,000 is being provided as follows: funding for cost will be increased by \$5,000; funding for fee will be increased by \$0. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) LENWOOD O. TRAMMELLE, JR., SR VP/GM		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 09/30/98	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 9/30/98

"B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$11,737,390. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through October 12, 1998.

(b) An additional amount of \$699,916 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 35	\$9,089,654	\$497,934	\$9,587,588	\$7,683,675
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Mod. 58	0	0	0	0
Mod. 59	167,018	8,973	175,991	1,025,000
Mod. 60	0	0	0	0
Mod. 61	(973,722)	(59,689)	(1,033,411)	0
Mod. 62	27,052	1,125	28,177	0
Mod. 63	16,463	672	17,135	0
Mod. 64	0	0	0	263,103
Mod. 65	0	0	0	475,466
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	0	0	0
Mod. 69	0	0	0	5,000
Total	\$15,169,282	\$705,636	\$15,874,918	\$12,437,306

Funding includes \$11,737,390 for cost and \$699,916 for fee

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
		1	2
2. AMENDMENT/MODIFICATION NO. 70		3. EFFECTIVE DATE OCT 20 1998	4. REQUISITION/PURCHASE REQ. NO. GM 4256
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-2199		5. PROJECT NO. (If applicable)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		9A. AMENDMENT OF SOLICITATION NO.	
		9B. DATED (SEE ITEM 11)	
		10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650	
		10B. DATED (SEE ITEM 13) 2/1/96	
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

A5160; 282-30-02-04, \$120,000 COMPLETE

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide incremental funding to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

A. Incremental Funding in the amount of \$120,000 is being provided as follows: funding for cost will be increased by \$120,000; funding for fee will be increased by \$0. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

(continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Lisa M Harvey</i>	16C. DATE SIGNED <i>10/20/98</i>
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE

“B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$11,857,390. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through October 31, 1998.

(b) An additional amount of \$699,916 is obligated under this contract for payment of fee.”

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 35	\$9,089,654	\$497,934	\$9,587,588	\$7,683,675
Mod. 36	71,234	3,098	74,332	0
Mod. 37	303,302	12,518	315,820	250,000
Mod. 38	21,853	1,046	22,899	40,000
Mod. 39	3,938	237	4,175	0
Mod. 40	0	0	0	420,000
Mod. 41	199,302	8,757	208,059	143,783
Mod. 42	13,560	590	14,150	25,000
Mod. 43	0	0	0	130,000
Mod. 44	0	0	0	0
Mod. 45	0	0	0	0
Mod. 46	1,087,799	47,287	1,135,086	6,000
Mod. 47	0	0	0	0
Mod. 48	0	0	0	245,000
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Mod. 58	0	0	0	0
Mod. 59	167,018	8,973	175,991	1,025,000
Mod. 60	0	0	0	0
Mod. 61	(973,722)	(59,689)	(1,033,411)	0
Mod. 62	27,052	1,125	28,177	0
Mod. 63	16,463	672	17,135	0
Mod. 64	0	0	0	263,103
Mod. 65	0	0	0	475,466
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	0	0	0
Mod. 69	0	0	0	5,000
Mod. 70				120,000
Total	\$15,169,282	\$705,636	\$15,874,918	\$12,557,306.00

Funding includes \$11,857,390 for cost and \$699,916 for fee

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. 71			3. EFFECTIVE DATE OCT 30 1998	4. REQUISITION/PURCHASE REQ. NO. GM 4259	5. PROJECT NO. (if applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-2199			7. ADMINISTERED BY (if other than item 6)		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102			(x)	9A. AMENDMENT OF SOLICITATION NO.	
CODE			9B. DATED (SEE ITEM 11)		
FACILITY CODE			X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650	
			10B. DATED (SEE ITEM 13) 2/1/96		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
A5160; 282-30-02-04, \$950,000 COMPLETE

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide incremental funding to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

A. Incremental Funding in the amount of \$950,000 is being provided as follows: funding for cost will be increased by \$950,000; funding for fee will be increased by \$0. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

(continued)

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Lisa M Harvey</i> (Signature of Contracting Officer)	16C. DATE SIGNED 10/30/98
(Signature of person authorized to sign)			

FILE

"B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$12,807,390. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through December 31, 1998.

(b) An additional amount of \$699,916 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 65	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	0	0	0
Mod. 69	0	0	0	5,000
Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Total	\$15,169,282	\$705,636	\$15,874,918	\$13,507,306

Funding includes \$12,807,390 for cost and \$699,916 for fee

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 12

2. AMENDMENT/MODIFICATION NO. 72
3. EFFECTIVE DATE DEC 02 1998
4. REQUISITION/PURCHASE REQ. NO. n/a
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-2199
7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-20650
10B. DATED (SEE ITEM 13)
2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to exercise the third 12-month option period, incorporate the most recent wage determination, and to correct the Mod. No. 68 entry on the contract tabulation table of the modification. Accordingly, the following changes are hereby made to the Contract Schedule:

A. Section B, B.2, is revised to increase cost by \$5,483,887 from \$15,169,282 to \$20,653,169 and the award fee available is increased by \$314,530 from \$685,252 to \$999,782.

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		ROSEMARY C. FROEHLICH	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY <u>Rosemary C Froehlich</u>	12/2/98
		(Signature of Contracting Officer)	

FILE

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$20,653,169 exclusive of the award fee of \$999,782 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$21,652,951.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000 (earned)
August 1, 1996 - January 31, 1997	90,000 (earned)
February 1, 1997 - July 31, 1997	155,772 (earned)
August 1, 1997 - January 31, 1998	101,313 (earned)
February 1, 1998 - July 31, 1998	128,400 (earned)
August 1, 1998 - January 31, 1999	113,767
February 1, 1999 - July 31, 1999	157,265
August 1, 1999 - January 31, 2000	157,265”

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Exhibit E, Register of Wage Determination and Fringe Benefits, dated July 2, 1997, is deleted in its entirety and replaced with the attached Wage Determination No. 94-2544, Revision No. 16, dated July 29, 1998.

C. The Mod. No. 68 entry on the contract tabulation table below is corrected to reflect the amount of unearned fee for the award fee period ending July 31, 1998.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 48	\$10,790,642	\$571,467	\$11,362,109	\$8,943,458
Mod. 49	422,395	25,189	447,584	0
Mod. 50	11,412	312	11,724	0
Mod. 51	5,107,315	295,376	5,402,691	0
Mod. 52	0	0	0	1,025,000
Mod. 53	0	0	0	0
Mod. 54	0	0	0	0
Mod. 55	(65,462)	(3,287)	(68,749)	28,000
Mod. 56	0	0	0	372,700
Mod. 57	(333,831)	(134,502)	(468,333)	0
Mod. 58	0	0	0	0
Mod. 59	167,018	8,973	175,991	1,025,000
Mod. 60	0	0	0	0
Mod. 61	(973,722)	(59,689)	(1,033,411)	0
Mod. 62	27,052	1,125	28,177	0
Mod. 63	16,463	672	17,135	0
Mod. 64	0	0	0	263,103
Mod. 65	0	0	0	475,466
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	(20,384)	(20,384)	0
Mod. 69	0	0	0	5,000
Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Mod. 72	5,483,887	314,530	5,798,417	0
Total	\$20,653,169	\$999,782	\$21,652,951	*\$13,507,306

*Funding includes \$12,807,390 for cost and \$699,916 for fee

94-2544 VA, NORFOLK

08/04/98

FOR OFFICIAL USE ONLY BY FEDERAL AGENCIES PARTICIPATING IN MOU WITH DOL

REGISTER OF WAGE DETERMINATION UNDER
THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
Washington, D.C. 20210

Wage Determination No.: 94-2544

Revision No.: 16

Division of

Wage Determinations

Date of Last Revision: 07/29/1998

State): North Carolina, Virginia

Areas: North Carolina COUNTIES OF Camden, Chowan, Currituck, Gates,
Pasquotank, Perquimans
Virginia COUNTIES OF Gloucester, Isle of Wight, James City, Mathews,
Southampton, Surry, York, Chesapeake, Hampton, Newport News, Norfolk
Poquoson, Portsmouth, Suffolk, Virginia Beach, Williamsburg

** Fringe Benefits Required For All Occupations Included In
This Wage Determination Follow The Occupational Listing **

OCCUPATION CODE AND TITLE

MINIMUM HOURLY WAGE

Administrative Support and Clerical Occupations:

01011 Accounting Clerk I	\$ 6.75
01012 Accounting Clerk II	\$ 8.52
01013 Accounting Clerk III	\$ 10.60
01014 Accounting Clerk IV	\$ 11.50
01030 Court Reporter	\$ 10.81
01050 Dispatcher, Motor Vehicle	\$ 9.23
01060 Document Preparation Clerk	\$ 9.29
01070 Messenger (Courier)	\$ 7.34
01090 Duplicating Machine Operator	\$ 9.29
01110 Film/Tape Librarian	\$ 9.28
01115 General Clerk I	\$ 7.34
01116 General Clerk II	\$ 9.03
01117 General Clerk III	\$ 11.23
01118 General Clerk IV	\$ 12.55
01120 Housing Referral Assistant	\$ 11.98
01131 Key Entry Operator I	\$ 7.78
01132 Key Entry Operator II	\$ 9.79
01191 Order Clerk I	\$ 7.40
01192 Order Clerk II	\$ 9.68
01261 Personnel Assistant (Employment) I	\$ 8.85
01262 Personnel Assistant (Employment) II	\$ 10.23
01263 Personnel Assistant (Employment) III	\$ 10.80
01264 Personnel Assistant (Employment) IV	\$ 12.38
01270 Production Control Clerk	\$ 11.98
01290 Rental Clerk	\$ 9.28
01300 Scheduler, Maintenance	\$ 9.28
01311 Secretary I	\$ 9.28
01312 Secretary II	\$ 10.80
01313 Secretary III	\$ 12.38
01314 Secretary IV	\$ 14.46
01315 Secretary V	\$ 15.18
01320 Service Order Dispatcher	\$ 9.28
01341 Stenographer I	\$ 8.78

Exhibit E

01342 Stenographer II	\$ 9.86
01400 Supply Technician	\$ 11.50
01420 Survey Worker (Interviewer)	\$ 10.80
01460 Switchboard Operator-Receptionist	\$ 8.08
01510 Test Examiner	\$ 10.80
01520 Test Proctor	\$ 10.80
01531 Travel Clerk I	\$ 7.25
01532 Travel Clerk II	\$ 7.74
01533 Travel Clerk III	\$ 8.32
01611 Word Processor I	\$ 10.00
01612 Word Processor II	\$ 11.27
01613 Word Processor III	\$ 12.62

Automatic Data Processing Occupations:

03010 Computer Data Librarian	\$ 8.26
03041 Computer Operator I	\$ 9.25
03042 Computer Operator II	\$ 10.70
03043 Computer Operator III	\$ 13.25
03044 Computer Operator IV	\$ 15.34
03045 Computer Operator V	\$ 16.31
03071 Computer Programmer I 1/	\$ 13.38
03072 Computer Programmer II 1/	\$ 15.15
03073 Computer Programmer III 1/	\$ 18.05
03074 Computer Programmer IV 1/	\$ 21.52
03101 Computer Systems Analyst I 1/	\$ 17.62
03102 Computer Systems Analyst II 1/	\$ 20.28
03103 Computer Systems Analyst III 1/	\$ 24.98
03160 Peripheral Equipment Operator	\$ 8.26

Automotive Service Occupations:

05005 Automobile Body Repairer, Fiberglass	\$ 16.22
05010 Automotive Glass Installer	\$ 14.79
05040 Automotive Worker	\$ 14.79
05070 Electrician, Automotive	\$ 15.49
05100 Mobile Equipment Servicer	\$ 13.37
05130 Motor Equipment Metal Mechanic	\$ 16.22
05160 Motor Equipment Metal Worker	\$ 14.79
05190 Motor Vehicle Mechanic	\$ 16.22
05220 Motor Vehicle Mechanic Helper	\$ 12.61
05250 Motor Vehicle Upholstery Worker	\$ 14.07
05280 Motor Vehicle Wrecker	\$ 14.79
05310 Painter, Automotive	\$ 15.49
05340 Radiator Repair Specialist	\$ 14.07
05370 Tire Repairer	\$ 13.37
05400 Transmission Repair Specialist	\$ 16.22

Food Preparation and Service Occupations:

07010 Baker	\$ 8.68
07041 Cook I	\$ 7.85
07042 Cook II	\$ 8.68
07070 Dishwasher	\$ 6.05
07100 Food Service Worker (Cafeteria Worker)	\$ 6.05
07130 Meat Cutter	\$ 8.68
07250 Waiter/Waitress	\$ 6.58

Furniture Maintenance and Repair Occupations:

09010 Electrostatic Spray Painter	\$ 15.49
09040 Furniture Handler	\$ 11.21
09070 Furniture Refinisher	\$ 15.49
09100 Furniture Refinisher Helper	\$ 12.61
09110 Furniture Repairer, Minor	\$ 14.07
09130 Upholsterer	\$ 15.49

General Service and Support Occupations:

11030 Cleaner, Vehicles	\$ 6.05
11060 Elevator Operator	\$ 6.05
11090 Gardener	\$ 7.75
11121 Housekeeping Aide I	\$ 5.93
11122 Housekeeping Aide II	\$ 6.49
11150 Janitor	\$ 6.05
11210 Laborer, Grounds Maintenance	\$ 6.58
11240 Maid or Houseman	\$ 5.52
11270 Pest Controller	\$ 8.25
11300 Refuse Collector	\$ 6.05
11330 Tractor Operator	\$ 7.38
11360 Window Cleaner	\$ 6.58

Health Occupations:

12020 Dental Assistant	\$ 10.26
12040 Emergency Medical Technician/Paramedic Ambulance Driver	\$ 10.26
12071 Licensed Practical Nurse I	\$ 8.17
12072 Licensed Practical Nurse II	\$ 9.17
12073 Licensed Practical Nurse III	\$ 10.26
12100 Medical Assistant	\$ 9.17
12130 Medical Laboratory Technician	\$ 9.17
12160 Medical Record Clerk	\$ 9.17
12190 Medical Record Technician	\$ 12.71
12221 Nursing Assistant I	\$ 6.66
12222 Nursing Assistant II	\$ 7.49
12223 Nursing Assistant III	\$ 8.17
12224 Nursing Assistant IV	\$ 9.17
12250 Pharmacy Technician	\$ 11.44
12280 Phlebotomist	\$ 9.17
12311 Registered Nurse I	\$ 12.71
12312 Registered Nurse II	\$ 15.55
12313 Registered Nurse II, Specialist	\$ 15.55
12314 Registered Nurse III	\$ 18.82
12315 Registered Nurse III, Anesthetist	\$ 18.82
12316 Registered Nurse IV	\$ 22.55

Information and Arts Occupations:

13002 Audiovisual Librarian	\$ 11.96
13011 Exhibits Specialist I	\$ 15.02
13012 Exhibits Specialist II	\$ 18.25
13013 Exhibits Specialist III	\$ 20.27
13041 Illustrator I	\$ 15.02
13042 Illustrator II	\$ 18.25
13043 Illustrator III	\$ 20.27
13047 Librarian	\$ 13.75
13050 Library Technician	\$ 11.02
13071 Photographer I	\$ 11.33
13072 Photographer II	\$ 15.02
13073 Photographer III	\$ 18.25
13074 Photographer IV	\$ 20.27

13075 Photographer V \$ 24.53

Laundry, Drycleaning, Pressing and Related Occups:

15010 Assembler	\$ 5.79
15030 Counter Attendant	\$ 5.79
15040 Dry Cleaner	\$ 6.94
15070 Finisher, Flatwork, Machine	\$ 5.79
15090 Presser, Hand	\$ 5.79
15100 Presser, Machine, Drycleaning	\$ 5.79
15130 Presser, Machine, Shirts	\$ 5.79
15160 Presser, Machine, Wearing Apparel, Laundry	\$ 5.79
15190 Sewing Machine Operator	\$ 7.39
15220 Tailor	\$ 7.86
15250 Washer, Machine	\$ 6.19

Machine Tool Operation and Repair Occupations:

19010 Machine-Tool Operator (Toolroom)	\$ 15.49
19040 Tool and Die Maker	\$ 17.84

Materials Handling and Packing Occupations:

21010 Fuel Distribution System Operator	\$ 13.37
21020 Material Coordinator	\$ 12.19
21030 Material Expediter	\$ 12.19
21040 Material Handling Laborer	\$ 7.44
21050 Order Filler	\$ 8.46
21071 Forklift Operator	\$ 9.05
21080 Production Line Worker (Food Processing)	\$ 10.54
21100 Shipping/Receiving Clerk	\$ 8.85
21130 Shipping Packer	\$ 8.85
21140 Store Worker I	\$ 8.40
21150 Stock Clerk (Shelf Stocker; Store Worker II)	\$ 10.22
21210 Tools and Parts Attendant	\$ 10.95
21400 Warehouse Specialist	\$ 10.54

Mechanics and Maintenance and Repair Occupations:

23010 Aircraft Mechanic	\$ 16.22
23040 Aircraft Mechanic Helper	\$ 12.61
23050 Aircraft Quality Control Inspector	\$ 16.94
23060 Aircraft Servicer	\$ 14.07
23070 Aircraft Worker	\$ 14.79
23100 Appliance Mechanic	\$ 15.49
23120 Bicycle Repairer	\$ 13.37
23125 Cable Splicer	\$ 16.22
23130 Carpenter, Maintenance	\$ 15.49
23140 Carper Layer	\$ 14.79
23160 Electrician, Maintenance	\$ 16.22
23181 Electronics Technician, Maintenance I	\$ 13.99
23182 Electronics Technician, Maintenance II	\$ 14.31
23183 Electronics Technician, Maintenance III	\$ 15.33
23260 Fabric Worker	\$ 14.07
23290 Fire Alarm System Mechanic	\$ 16.22
23310 Fire Extinguisher Repairer	\$ 13.37
23340 Fuel Distribution System Mechanic	\$ 16.22
23370 General Maintenance Worker	\$ 14.79
23400 Heating, Refrigeration and Air-Conditioning Mechanic	\$ 16.22
23430 Heavy Equipment Mechanic	\$ 16.22

23440 Heavy Equipment Operator	\$ 16.22
23460 Instrument Mechanic	\$ 16.22
23470 Laborer	\$ 9.68
23500 Locksmith	\$ 15.49
23530 Machinery Maintenance Mechanic	\$ 16.18
23550 Machinist, Maintenance	\$ 16.22
23580 Maintenance Trades Helper	\$ 12.61
23640 Millwright	\$ 16.22
23700 Office Appliance Repairer	\$ 15.49
23740 Painter, Aircraft	\$ 15.49
23760 Painter, Maintenance	\$ 15.49
23790 Pipefitter, Maintenance	\$ 16.22

23800 Plumber, Maintenance	\$ 15.49
23820 Pneudraulic Systems Mechanic	\$ 16.22
23850 Rigger	\$ 16.22
23870 Scale Mechanic	\$ 14.79
23890 Sheet-Metal Worker, Maintenance	\$ 16.22
23910 Small Engine Mechanic	\$ 14.79
23930 Telecommunications Mechanic I	\$ 16.22
23931 Telecommunications Mechanic II	\$ 16.94
23950 Telephone Lineman	\$ 16.22
23960 Welder, Combination, Maintenance	\$ 16.22
23965 Well Driller	\$ 16.22
23970 Woodcraft Worker	\$ 16.22
23980 Woodworker	\$ 13.37

Personal Needs Occupations:

24570 Child Care Attendant	\$ 6.34
24580 Child Care Center Clerk	\$ 7.91
24600 Chore Aide	\$ 5.15
24630 Homemaker	\$ 8.33

Plant and System Operation Occupations:

25010 Boiler Tender	\$ 16.22
25040 Sewage Plant Operator	\$ 15.49
25070 Stationary Engineer	\$ 16.22
25190 Ventilation Equipment Tender	\$ 12.61
25210 Water Treatment Plant Operator	\$ 15.49

Protective Service Occupations:

27004 Alarm Monitor	\$ 7.21
27006 Corrections Officer	\$ 11.47
27010 Court Security Officer	\$ 11.91
27040 Detention Officer	\$ 11.47
27070 Firefighter	\$ 11.47
27101 Guard I	\$ 6.03
27102 Guard II	\$ 7.21
27130 Police Officer	\$ 14.25

Stevedoring/Longshoremen Occupational Services:

28010 Blocker and Bracer	\$ 12.33
28020 Hatch Tender	\$ 12.33
28030 Line Handler	\$ 12.33
28040 Stevedore I	\$ 11.80
28050 Stevedore II	\$ 12.96

Technical Occupations:

29010 Air Traffic Control Specialist, Center 2/	\$ 24.47
29011 Air Traffic Control Specialist, Station 2/	\$ 16.87
29012 Air Traffic Control Specialist, Terminal 2/	\$ 18.59
29023 Archeological Technician I	\$ 11.43
29024 Archeological Technician II	\$ 12.85
29025 Archeological Technician III	\$ 15.87
29030 Cartographic Technician	\$ 15.87
29035 Computer Based Training (CBT) Specialist/Instructor	\$ 17.62
29040 Civil Engineering Technician	\$ 15.87
29061 Drafter I	\$ 10.07
29062 Drafter II	\$ 11.33
29063 Drafter III	\$ 14.24
29064 Drafter IV	\$ 17.30
29081 Engineering Technician I	\$ 11.50
29082 Engineering Technician II	\$ 12.30
29083 Engineering Technician III	\$ 15.15
29084 Engineering Technician IV	\$ 18.35
29085 Engineering Technician V	\$ 21.43
29086 Engineering Technician VI	\$ 26.48
29090 Environmental Technician	\$ 15.87
29100 Flight Simulator/Instructor (Pilot)	\$ 20.28
29150 Graphic Artist	\$ 17.62
29160 Instructor	\$ 15.23
29210 Laboratory Technician	\$ 11.83
29240 Mathematical Technician	\$ 15.87
29361 Paralegal/Legal Assistant I	\$ 10.80
29362 Paralegal/Legal Assistant II	\$ 13.12
29363 Paralegal/Legal Assistant III	\$ 16.05
29364 Paralegal/Legal Assistant IV	\$ 19.42
29390 Photooptics Technician	\$ 15.87
29480 Technical Writer	\$ 15.02
29491 Unexploded Ordnance Technician I	\$ 15.55
29492 Unexploded Ordnance Technician II	\$ 18.82
29493 Unexploded Ordnance Technician III	\$ 22.85
29494 Unexploded Safety Escort	\$ 15.55
29495 Unexploded Sweep Personnel	\$ 15.55
29620 Weather Observer, Senior 3/	\$ 12.80
29621 Weather Observer, Combined Upper Air & Surface Programs 3/	\$ 11.83
29622 Weather Observer, Upper Air 3/	\$ 11.83

Transportation/Mobile Equipment Operation Occups:

31030 Bus Driver	\$ 9.42
31260 Parking and Lot Attendant	\$ 6.98
31290 Shuttle Bus Driver	\$ 9.01
31300 Taxi Driver	\$ 8.50
31361 Truckdriver, Light Truck	\$ 9.01
31362 Truckdriver, Medium Truck	\$ 9.42
31363 Truckdriver, Heavy Truck	\$ 10.50
31364 Truckdriver, Tractor-Trailer	\$ 10.50

Miscellaneous Occupations:

99020 Animal Caretaker	\$ 7.00
99030 Cashier	\$ 5.93
99041 Carnival Equipment Operator	\$ 7.38
99042 Carnival Equipment Repairer	\$ 7.75
99043 Carnival Worker	\$ 6.05

99050 Desk Clerk	\$ 7.00
99095 Embalmer	\$ 17.63
99300 Lifeguard	\$ 5.36
99310 Mortician	\$ 17.63
99350 Park Attendant (Aide)	\$ 6.73
99400 Photofinishing Worker (Photo Lab Tech., Darkroom Tech)	\$ 6.01
99500 Recreation Specialist	\$ 13.04
99510 Recycling Worker	\$ 7.41
99610 Sales Clerk	\$ 5.36
99620 School Crossing Guard (Crosswalk Attendant)	\$ 6.05
99630 Sports Official	\$ 5.36
99658 Survey Party Chief (Chief of Party)	\$ 7.85
99659 Surveying Technician (Instr. Person/Surveyor Asst./Instr.)	\$ 7.50
99660 Surveying Aide	\$ 5.15
99690 Swimming Pool Operator	\$ 8.68
99720 Vending Machine Attendant	\$ 7.41
99730 Vending Machine Repairer	\$ 8.68
99740 Vending Machine Repairer Helper	\$ 7.41

** Fringe Benefits Required For All Occupations Included In
This Wage Determination **

HEALTH & WELFARE: Life, accident, and health insurance plans, sick leave, pension plans, civic and personal leave, severance pay, and savings and thrift plans. Minimum employer contributions costing an average of \$2.56 per hour computed on the basis of all hours worked by service employees employed on the contract.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 8 years; 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with predecessor contractors in the performance of similar work at the same Federal facility. (See 29 CFR 4.173)

HOLIDAYS: Minimum of ten paid holidays per year: New Year's Day, Martin Luther King Jr.'s Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

1/

Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See 29 CFR 4.156)

2/

APPLICABLE TO AIR TRAFFIC CONTROLLERS ONLY - NIGHT DIFFERENTIAL: An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.

3/

WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employee (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a

Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

**** UNIFORM ALLOWANCE ****

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry

cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$4.25 per week (or \$.85 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Titles and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by the Second Supplement, dated August 1995, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

**REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE
{Standard Form 1444 (SF 1444)}**

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between

such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. {See Section 4.6 (C)(vi)} When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation) and computes a proposed rate).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title), a Federal grade equivalency (FGE) for each proposed classification), job description); and rationale for proposed wage rate), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour decision to the contractor.
- 6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE: _____ PAGE OF PAGES: 1 / 2
 2. AMENDMENT/MODIFICATION NO.: 73
 3. EFFECTIVE DATE: JAN 22 1999
 4. REQUISITION/PURCHASE REQ. NO.: See block 12.
 5. PROJECT NO. (if applicable): _____

6. ISSUED BY: National Aeronautics and Space Administration
 Langley Research Center
 Hampton, VA 23681-2199
 CODE: _____

7. ADMINISTERED BY (if other than Item 6): _____
 CODE: _____

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code):
 NCI Information Systems, Inc.
 8260 Greensboro Drive, Suite 400
 McLean, VA 22102

9A. AMENDMENT OF SOLICITATION NO.: _____
 9B. DATED (SEE ITEM 11): _____

10A. MODIFICATION OF CONTRACT/ORDER NO.: NAS1-20650
 10B. DATED (SEE ITEM 13): 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required):
 AF5500; M3159; 992300601, \$70,000 Complete; AF5501; M3159; \$256,000 Complete
 HAD1002, A6703, 282100199, \$50,000 Complete GM4277, A5160, 282300204, \$964,000 Complete

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: _____

D. OTHER (Specify type of modification and authority) _____

E. IMPORTANT: Contractor is not is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide incremental funding to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

A. Incremental Funding in the amount of \$1,340,000 is being provided as follows: funding for cost will be increased by \$1,040,000; funding for fee will be increased by \$300,000. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

(continued)

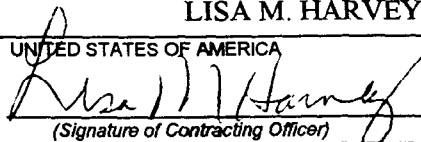
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print): _____

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print): LISA M. HARVEY

15B. CONTRACTOR/OFFEROR: _____

15C. DATE SIGNED: _____

16B. UNITED STATES OF AMERICA BY: 
 (Signature of Contracting Officer)

16C. DATE SIGNED: JAN 22 1999

FILE

"B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$13,847,390. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through June 10, 1999.

(b) An additional amount of \$999,916 is obligated under this contract for payment of fee."

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 65	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	-20,384	-20,384	0
Mod. 69	0	0	0	5,000
Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Mod. 72	5,483,887	314,530	5,798,417	0
Mod.73	0	0	0	1,340,000
Total	\$20,653,169	\$999,782	\$21,652,951	\$14,847,306

Funding includes \$13,847,390 for cost and \$999,916 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAG3S
1 3

2. AMENDMENT/MODIFICATION NO. 74
3. EFFECTIVE DATE FEB 08 1999
4. REQUISITION/PURCHASE REQ. NO. n/a
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
7. ADMINISTERED BY (If other than Item 6) CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102

9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-20650
10B. DATED (SEE ITEM 13)
2/1/96

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

n/a

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2, Changes, Cost Reimbursement (Aug 1987) Alternate II (APR 1984) and mutual agreement
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to reallocate the Integrated Financial Management Project (IFMP) estimated cost and award fee amounts into future option periods as a result of the IFMP program being delayed. Accordingly, the following changes are hereby made:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) LENWOOD O. TRAMMELLE, SR VP/GM
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED January 28, 1999
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY
16B. UNITED STATES OF AMERICA
BY Lisa M Harvey (Signature of Contracting Officer)
16C. DATE SIGNED 2/8/99

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-85)
Prescribed by GSA
FAR (48 CFR) 53.243

FILE

A. As a result of IFMP being delayed, Section B, B.2, Paragraphs A and B, are revised to decrease and reallocate the IFMP estimated cost and award fee as follows: Estimated cost is decreased by \$2,148,856 from \$20,653,169 to \$18,504,313; award fee is decreased by \$116,302 from \$999,782 to \$883,480. Award fee for the sixth period is decreased by \$44,891 from \$113,767 to \$68,876. Award fee for the seventh and eighth period is decreased by \$71,411 from \$314,529 to \$243,118.

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$18,504,313 exclusive of the award fee of \$883,480 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$19,387,793.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$ 96,000 (earned)
August 1, 1996 - January 31, 1997	90,000 (earned)
February 1, 1997 - July 31, 1997	155,772 (earned)
August 1, 1997 - January 31, 1998	101,313 (earned)
February 1, 1998 - July 31, 1998	128,400 (earned)
August 1, 1998 - January 31, 1999	68,876
February 1, 1999 - July 31, 1999	121,559
August 1, 1999 - January 31, 2000	121,559

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Paragraph H.12, Options, Paragraphs A. and B. are deleted in their entirety and replaced with the following which reflects the revised contract values for each period:

“A. First through Fourth Option Periods

<u>Item</u>	<u>Fourth Option Period</u>
Period of Performance (Ref. F.1)	12 months
Estimated Cost (Ref. B.2.A)	\$6,910,917
Award Fee (Ref. B.2.A)	\$ 394,030
Award Fee Availability (Ref. B.2.B)	

2/1/00 - 7/30/00
8/1/00 - 1/31/01

\$ 197,015
\$ 197,015

B. Fifth through Tenth Option Periods

Period of Performance (Ref. F.1)	<u>Fifth Option Period</u> 1 month	<u>Sixth Option Period</u> 1 month	<u>Seventh Option Period</u> 1 month	<u>Eighth Option Period</u> 1 month	<u>Ninth Option Period</u> 1 month	<u>Tenth Option Period</u> 1 month
Estimated Cost (Ref. B.2.A)	\$358,412	\$358,412	\$358,412	\$358,412	\$358,412	\$358,412
Fixed Fee (Ref. B.2.A)	\$ 18,712	\$ 18,712	\$ 18,712	\$ 18,712	\$ 18,712	\$ 18,712"

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 65	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	-20,384	-20,384	0
Mod. 69	0	0	0	5,000
Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Mod. 72	5,483,887	314,530	5,798,417	0
Mod. 73	0	0	0	1,340,000
Mod. 74	-2,148,856	-116,302	-2,265,158	0
Total	\$18,504,313	\$883,480	\$19,387,793	\$14,847,306

Funding includes \$13,847,390 for cost and \$999,916 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 75	3. EFFECTIVE DATE MAR 26 1999	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6) CODE
--	--

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 18-52.216-76 Award Fee for Service Contracts (SEP 1993)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is revise the award fee available for the sixth award fee period to reflect the amount earned as determined by the Government. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY CONTRACTING OFFICER
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 3/26/99
(Signature of person authorized to sign)	BY <i>Lisa M Harvey</i> (Signature of Contracting Officer)

FILE

Section B., B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE, Paragraph B, the award fee available for the sixth award fee period is \$60,060 and is shown below:

"B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
February 1, 1996 - July 31, 1996	\$96,000
August 1, 1996 - January 31, 1997	\$90,000
February 1, 1997 - July 31, 1997	\$155,772
August 1, 1997 - January 31, 1998	\$101,313
February 1, 1998 - July 31, 1998	\$128,400
August 1, 1998 - January 31, 1999	\$ 60,060 "

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 76		3. EFFECTIVE DATE APR 13 1999	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.
NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102			9B. DATED (SEE ITEM 11)
		x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
			10B. DATED (SEE ITEM 13) 2/1/96

CODE	FACILITY CODE
------	---------------

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) MUTUAL AGREEMENT

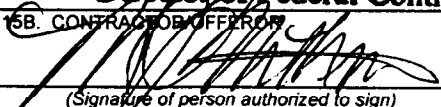
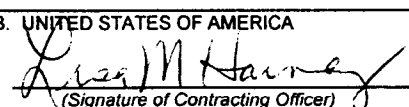
E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to incorporate ceilings on indirect rates. Accordingly, Section H. will be revised as follows:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Marianne J. Strathman Director of Federal Contracts		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR OFFER NO. 	15C. DATE SIGNED 4/9/99	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 4/13/99

FILE

A. Section H, Special Contract Requirements, Paragraph H.13, Advanced Agreement on Indirect Rates (LaRC 52.231-90) (JUN 1988), is revised to add the 1999 rates as follows:

“H.13, Advanced Agreement on Indirect Rates (LaRC 52.231-90) (JUN 1988)

A. Notwithstanding the provisions of the Section I clause entitled "Allowable Cost and Payment," the Contractor will be reimbursed at the indirect ceiling rates specified below or the actual rates, whichever are less, for each of the Contractor's fiscal years applicable to this contract. The Contractor's fiscal year is January 1 through December 31. Any costs that are not reimbursed due to the ceilings shall be deemed unallowable costs. These unallowable costs shall not be recovered under this or any other Government contract.

<u>Indirect Cost Pool</u>	<u>Ceiling Percentage (Calendar Year)</u>				<u>Allocation Base</u>
	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	
Overhead & Fringe	██████	██████	██████	██████	Direct Labor NCI Site Direct Labor Labor, Overhead, Facilities O/H, Travel, Other ODC's, Mat Hndling
Facilities	██████	██████	██████	██████	
General & Admin.	██████	██████	██████	██████	
Material/Handling	██████	██████	██████	██████	Subcontracts, Equipment, Materials (supplies)

B. The above rate ceilings are predicated upon the bases listed above and the accounting practices and accounting system in effect on January 1, 1996, January 1, 1997, January 1, 1998, and January 1, 1999. If the Contractor changes its accounting practices or accounting system in any way, the Contractor will immediately notify the Government. Within 30 days of such change, the Contractor shall present to the Contracting Officer information that demonstrates that the change will not impact the allowable cost computed using the above rates or shall submit a proposal for adjustment of the ceilings so that the total costs allowable will not exceed the total costs that would have been allowable had the Contractor not changed its accounting practices or accounting system. In the event that the parties cannot agree on new ceilings using the Contractor's new accounting practices or system and the Contractor does not agree to return to the previous accounting practices and system, the Contracting Officer may equitably adjust the ceilings.”

B. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
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2. AMENDMENT/MODIFICATION NO. 77
3. EFFECTIVE DATE MAY 24 1999
4. REQUISITION/PURCHASE REQ. NO. See block 12.
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-2199
7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-20650
10B. DATED (SEE ITEM 13)
2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF.
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to provide incremental funding to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

A. Incremental Funding in the amount of \$342,700 is being provided as follows: funding for cost will be increased by \$342,700; funding for fee will be increased by \$0. In addition, \$125,000 is being moved from the fee pool to the cost pool for a total increase in cost funding of \$467,700. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
LISA M. HARVEY
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED
16B. UNITED STATES OF AMERICA
BY Lisa M Harvey
(Signature of Contracting Officer)
16C. DATE SIGNED
5/24/99
(Signature of person authorized to sign)

FILE

“B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$14,315,090. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through August 3, 1999.

(b) An additional amount of \$874,916 is obligated under this contract for payment of fee.”

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 65	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	-20,384	-20,384	0
Mod. 69	0	0	0	5,000
Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Mod. 72	5,483,887	314,530	5,798,417	0
Mod. 73	0	0	0	1,340,000
Mod. 74	-2,148,856	-116,302	-2,265,158	0
Mod. 75	0	0	0	0
Mod 76	0	0	0	0
Mod. 77	0	0	0	342,700
Total	\$18,504,313	\$883,480	\$19,387,793	\$15,190,006

Funding includes \$14,315,090 for cost and \$874,916 for fee.

Accounting and Appropriation Data:

<u>PR</u>	<u>PY</u>	<u>RTR</u>	<u>JO</u>	<u>Amount</u>	<u>Partial/Complete</u>
GJB.1017	99	997-18-00-16	M1779	\$26,000	Complete
GG.1587	99	992-20-04-71	M3523	\$5,000	Complete
GG.1627	99	992-20-04-71	M3523	\$8,700	Complete
GML.1335	99	992-30-02-20	M3786	\$38,000	Complete
GML.1336	99	282-30-02-14	A5487	\$100,000	Complete
HA.2050	99	282-10-01-99	A6703	\$165,000	Complete
Total				\$342,700	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
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1 2

2. AMENDMENT/MODIFICATION NO. **78**
3. EFFECTIVE DATE **1111 07 1999**
4. REQUISITION/PURCHASE REQ. NO. **See block 12.**
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
**National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-2199**
7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
**NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102**
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-20650
10B. DATED (SEE ITEM 13)
2/1/96

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF
- D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to provide incremental funding to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

A. Incremental Funding in the amount of \$279,000 is being provided as follows: funding for cost will be increased by \$279,000; funding for fee will be increased by \$0. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY <i>Lisa M Harvey</i>	2/1/99
		(Signature of Contracting Officer)	

FILE

"B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$14,594,090. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through September 10, 1999.

(b) An additional amount of \$874,916 is obligated under this contract for payment of fee."

B. All other terms and conditions remain unchanged.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 65	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	-20,384	-20,384	0
Mod. 69	0	0	0	5,000
Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Mod. 72	5,483,887	314,530	5,798,417	0
Mod. 73	0	0	0	1,340,000
Mod. 74	-2,148,856	-116,302	-2,265,158	0
Mod. 75	0	0	0	0
Mod. 76	0	0	0	0
Mod. 77	0	0	0	342,700
Mod. 78	0	0	0	279,000
Total	\$18,504,313	\$883,480	\$19,387,793	\$15,469,006

Funding includes \$14,594,090 for cost and \$874,916 for fee.

Accounting and Appropriation Data:

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>Program No.</u>	<u>Amount</u>	<u>Complete/Partial</u>
GM.4304	99	A5160	282300204	\$267,000	Complete
GML.1345	99	R24354	505905912	<u>\$ 12,000</u>	Complete
Total				<u>\$279,000</u>	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 79		3. EFFECTIVE DATE AUG 10 1999		4. REQUISITION/PURCHASE REQ. NO. See block 12.		5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-2199		7. ADMINISTERED BY (If other than Item 6)		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
			10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide incremental funding to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

A. Incremental Funding in the amount of \$200,000 is being provided as follows: funding for cost will be increased by \$200,000; funding for fee will be increased by \$0. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Lisa M Harvey</i> (Signature of Contracting Officer)	16C. DATE SIGNED 8/10/99
(Signature of person authorized to sign)			

FILE

"B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$14,794,090. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996 through October 15, 1999.

(b) An additional amount of \$874,916 is obligated under this contract for payment of fee."

B. All other terms and conditions remain unchanged.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 65	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	-20,384	-20,384	0
Mod. 69	0	0	0	5,000
Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Mod. 72	5,483,887	314,530	5,798,417	0
Mod. 73	0	0	0	1,340,000
Mod. 74	-2,148,856	-116,302	-2,265,158	0
Mod. 75	0	0	0	0
Mod. 76	0	0	0	0
Mod. 77	0	0	0	342,700
Mod. 78	0	0	0	279,000
Mod. 79	0	0	0	200,000
Total	\$18,504,313	\$883,480	\$19,387,793	\$15,669,006

Funding includes \$14,794,090 for cost and \$874,916 for fee.

Accounting and Appropriation Data:

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>Program No.</u>	<u>Amount</u>	<u>Complete/Partial</u>
SA.1000	99	A6703	28210019900	\$200,000	Complete

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
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2. AMENDMENT/MODIFICATION NO. 80
3. EFFECTIVE DATE SEP 01 1999
4. REQUISITION/PURCHASE REQ. NO. See block 12.
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-2199
7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-20650
10B. DATED (SEE ITEM 13)
2/1/96

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return ___ copies to the issuing office.

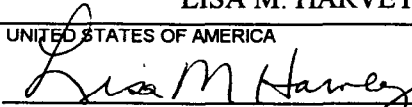
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide incremental funding to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

A. Incremental Funding in the amount of \$66,900 is being provided as follows: funding for cost will be increased by \$66,900; funding for fee will be increased by \$0. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
		BY 	SEP 01 1999
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE

"B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$14,860,990. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996, through October 29, 1999.

(b) An additional amount of \$874,916 is obligated under this contract for payment of fee."

B. All other terms and conditions remain unchanged.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 65	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	-20,384	-20,384	0
Mod. 69	0	0	0	5,000
Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Mod. 72	5,483,887	314,530	5,798,417	0
Mod. 73	0	0	0	1,340,000
Mod. 74	-2,148,856	-116,302	-2,265,158	0
Mod. 75	0	0	0	0
Mod. 76	0	0	0	0
Mod. 77	0	0	0	342,700
Mod. 78	0	0	0	279,000
Mod. 79	0	0	0	200,000
Mod. 80	0	0	0	66,900
Total	\$18,504,313	\$883,480	\$19,387,793	\$15,735,906

Funding includes \$14,860,990 for cost and \$874,916 for fee.

Accounting and Appropriation Data:

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>Program No.</u>	<u>Amount</u>	<u>Complete/Partial</u>
RFZ.1004	99	M1754	997-18-00-16	3,900	Complete
SI.1008	99	A5063	282-10-08-00	\$3,000	Complete
SLB.1003	99	A5487	282-30-02-14	<u>\$ 60,000</u>	Complete
TOTAL				\$66,900	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 81	3. EFFECTIVE DATE SEP 10 1999	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE	

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.


(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 18-52.216-76 Award Fee for Service Contracts (SEP 1993)

E. IMPORTANT: Contractor **X** is not, is required to sign this document and return _____ copies to the issuing office. _____

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is revise the award fee available for the seventh award fee period to reflect the Amount earned as determined by the Government. Accordingly, the following change is hereby made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY CONTRACTING OFFICER
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
	16C. DATE SIGNED SEP 10 1999

FILE

Section B., B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE, Paragraph B, the award fee available for the seventh award fee period is \$113,000 and is shown below:

"B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available/Earned Award Fee</u>
February 1, 1996 - July 31, 1996	\$96,000
August 1, 1996 - January 31, 1997	\$90,000
February 1, 1997 - July 31, 1997	\$155,772
August 1, 1997 - January 31, 1998	\$101,313
February 1, 1998 - July 31, 1998	\$128,400
August 1, 1998 - January 31, 1999	\$ 60,060
February 1, 1999 - July 31, 1999	\$ 113,000"

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
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2. AMENDMENT/MODIFICATION NO. 82	3. EFFECTIVE DATE SEP 09 1999	4. REQUISITION/PURCHASE REQ. NO. See block 12.	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-2199		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
CODE	FACILITY CODE	10B. DATED (SEE ITEM 13) 2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide incremental funding to the contract. Accordingly, the following changes are hereby made to the Contract Schedule:

A. Incremental Funding in the amount of \$57,574 is being provided as follows: funding for cost will be increased by \$57,574; funding for fee will be increased by \$0. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Lisa M Harvey</i> (Signature of Contracting Officer)	16C. DATE SIGNED 9/2/99
(Signature of person authorized to sign)			

FILE

"B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$14,860,990. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996, through October 29, 1999.

(b) An additional amount of \$874,916 is obligated under this contract for payment of fee."

B. All other terms and conditions remain unchanged.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 65	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	-20,384	-20,384	0
Mod. 69	0	0	0	5,000
Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Mod. 72	5,483,887	314,530	5,798,417	0
Mod.73	0	0	0	1,340,000
Mod. 74	-2,148,856	-116,302	-2,265,158	0
Mod. 75	0	0	0	0
Mod. 76	0	0	0	0
Mod. 77	0	0	0	342,700
Mod. 78	0	0	0	279,000
Mod. 79	0	0	0	200,000
Mod. 80	0	0	0	66,900
Mod. 81	0	0	0	0
Mod. 82	0	0	0	57,574
Total	\$18,504,313	\$883,480	\$19,387,793	\$15,793,480

Funding includes \$14,918,564 for cost and \$874,916 for fee.

Accounting and Appropriation Data:

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>Program No.</u>	<u>Amount</u>	<u>Complete/Partial</u>
RBK.1021	99	M3872	992-20-03	\$ 1,200	Complete
SC.1002	99	M3159	992-30-06	\$ 374	Complete
SLB.1015	99	A5160	282-30-02	\$36,000	Complete
SLB.1016	99	7099	282-10-01	\$20,000	Complete

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 10
2. AMENDMENT/MODIFICATION NO 83	3. EFFECTIVE DATE 12/29/99	4. REQUISITION/PURCHASE REQ NO SLB.1018	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	ADMINISTERED BY (If other than Item 6)	CODE	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
A5160 \$300,000 282-30-02-04 (complete)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt II (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause as a result of the statement of work being changed. Exhibit G is being revised to reflect the JDD statements of work that are being added. As a matter of convenience, incremental funding is also being provided. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Marianne J. Strathman Director of Federal Contracts	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY
15B. CONTRACTOR/OFFEROR 	16B. UNITED STATES OF AMERICA BY
15C. DATE SIGNED 10/28/99	16C. DATE SIGNED 10/29/99
(Signature of person authorized to sign)	(Signature of Contracting Officer)

A. Section B, B.2, is revised to increase cost by \$56,708 from \$18,504,313 to \$18,561,021. Award fee available is decreased by \$14,146 from \$883,480 to \$869,334 which is the net result of \$3,229 for this equitable adjustment and a credit of \$17,375 to reflect the fee adjustment necessary as a result of the award fee pool being reduced for the sixth and seventh award fee evaluation period.

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$18,561,021 exclusive of the award fee of \$869,334 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$19,430,355.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available/Earned Award Fee</u>
February 1, 1996 – July 31, 1996	\$96,000
August 1, 1996 – January 31, 1997	\$90,000
February 1, 1997 – July 31, 1997	\$155,772
August 1, 1997 – January 31, 1998	\$101,313
February 1, 1998 – July 31, 1998	\$128,400
August 1, 1998 – January 31, 1999	\$ 60,060
February 1, 1999 – July 31, 1999	\$ 113,000
August 1, 1999 – January 31, 2000	\$ 124,788”

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Incremental Funding in the amount of \$300,000 is being provided as follows: funding for cost will be increased by \$300,000, funding for fee will be increased by \$0. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

“B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$15,218,564. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: Feb. 1, 1996, through December 14, 1999.

(b) An additional amount of \$874,916 is obligated under this contract for payment of fee.”

C. Exhibit A, Statement of Work, Paragraph 8, last sentence of the first paragraph starting “Application development and enhancement project support is provided for the following LaRC requirements: . . . “ which was added via Mod. No. 1, is deleted in its entirety and replaced with the following:

“All Application Development and Enhancement required will be listed in Exhibit G, Job Description Documents (JDDs), and a performance-based statement or work, including metrics, will also be included.”

D. Exhibit A, Statement of Work, Paragraph 9, end of the first paragraph is revised to add the following sentence:

“All Special Studies required will be listed in Exhibit G, Job Description Documents (JDDs).”

E. Exhibit G, is revised to differentiate which JDDs are supporting Sections 8 or 9 of the Statement of Work. Exhibit G is also revised to add the statements of work for JDD GM005 and GM004 to Exhibit G as a result of this modification.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 65	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	-20,384	-20,384	0
Mod. 69	0	0	0	5,000
Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Mod. 72	5,483,887	314,530	5,798,417	0
Mod. 73	0	0	0	1,340,000
Mod. 74	-2,148,856	-116,302	-2,265,158	0
Mod. 75	0	0	0	0
Mod. 76	0	0	0	0
Mod. 77	0	0	0	342,700
Mod. 78	0	0	0	279,000
Mod. 79	0	0	0	200,000
Mod. 80	0	0	0	66,900
Mod. 81	0	0	0	0
Mod. 82	0	0	0	57,574
Mod. 83	56,708	-14,146	42,562	300,000
Total	\$18,561,021	\$869,334	\$19,430,355	\$16,093,480

Funding includes \$15,218,564 for cost and \$874,916 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Status
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	Complete
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	Complete
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	Complete
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	Complete
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	Complete
I001.00	10,460	420	\$10,880	10,880	Mod. 15	Complete
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	Complete
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	Complete
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	Complete
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	Complete
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	Complete
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	Complete
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	Complete
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	Cancelled
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	Complete
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	Complete
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	Complete
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	Complete
HA003	344,907	17,616	\$362,523	362,523	Mod. 34	Complete
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	Complete
GM003	303,302	12,518	\$315,820	300,000	N/A	Complete
HB002.01	21,853	1,046	\$22,899	22,899	N/A	Complete
AF010	1,295	78	\$1,373	1,373	Mod. 39	Cancelled
AF011	2,643	159	\$2,802	2,802	Mod. 39	Cancelled
AF012	199,302	8,757	\$208,059	180,000	Mod. 41	Complete
HB002.02	13,560	590	\$14,150	14,150	N/A	Complete
AF006	61,669	3,071	\$64,740	62,746	Mod. 26	Cancelled
AF009	187,847	8,049	\$195,896	182,681	Mod. 26	Complete
GMG001.02	744,314	31,467	\$775,781	762,018	Mod. 26	Complete
GMG002	28,507	1413	\$29,920	30,450	Mod. 26	Cancelled
HB002.03	11,412	312	\$11,724	58,902	N/A	Complete
GM003.01	TBD			200,000	N/A	Pending
HA003.01	167,018	8,973	\$175,991	174,559	N/A	Complete
HB002.04	27,052	1,125	28,177	28,177	N/A	Complete
HB003	16,463	672	17,135	19,001	N/A	Complete
GM004	33,105	1,843	\$34,948	35,000	N/A	Active
GM005	23,603	1,386	\$24,989	25,000	N/A	Active
			\$ 0			
			\$ 0			

Total	\$3,964,133	\$176,691	\$4,140,824	\$4,238,728		
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Exhibit G

Assignment of Job Description Documents

JDD #	Description	Effective Date
SOW 8.0: Applications Development and Enhancement		
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
FA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center Budgeting	6-28-96
HB002.01	Management Information System for Lead Center Budgeting	6-16-97
HB002.02	Management Information System for Lead Center Budgeting	8-13-97
HB002.03	Management Information System for Lead Center Budgeting	12-8-97
HB002.04	Management Information System for Lead Center Budgeting	6-8-98
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Bank Card Reconciliation System	1-29-97
HA003.01	Bank Card Reconciliation System	4-3-98
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97
GM003	Center Information Management Architecture	5-29-97
GM003.01	Center Information Management Architecture	7-13-98
HB003	RTA/COP System Modifications	6-8-98
9.0, Special Studies		
GM004	Automated Management of ISB Servers – Phase 1	10-1-99
GM005	Spectrum System Design Architecture Study and Prototype	10-1-99

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD# GM004

Title: Automated Management of ISB Servers—Phase 1

NASA/LaRC Technical Monitor: John Kusterer

Scope: This is the initial task of a two-phase effort to implement automation in the management and operations of the server computers for which ISB is responsible; it is expected to be completed within 2 months. If the recommendation and plan are accepted, further refinement of this analysis using Government feedback will be required under a separate implementation task. This task is not restricted to the computers and systems identified under the existing BAMIS contract.

Background: NASA Langley Research Center is behind the mainstream in applying automation to the management and operations of computer services and needs to catch up to a level corresponding to that of commercial computer services. A wide range of tools are available, but considerable skill and experience are necessary to be able to apply them effectively.

It is expected that application of appropriate automation tools will accomplish the following objectives:

1. Improve operational availability of the systems and services from roughly .85 to .99; improvement is particularly expected in the mean time to repair system faults, as defined by restoration of service.
2. Create the opportunity for the service manager to obtain customer usage data, which can be delivered to the customers on demand and used for billing and strategic planning.
3. Improve the ability of the service manager to re-allocate resources to respond to changing demand and technology.
4. Reduce the labor cost component of the operations and support of these systems by a factor of 3.
5. Provide the ability to obtain highly accurate, faithful and current configuration identification information without an attendant, exponential increase in the labor required, thereby improving the utilization of the capital investment and ensuring the consistent implementation of system configuration.

Computer systems and services included in this study encompass the full range of ISB and OCIO responsibilities, including but not limited to the ones currently in the Business Computing Center and the Server Farm. These provide application services, database services and WWW services. Server platforms include Win/NT 4.0, SunOS 4.3, Solaris 2.7, Ultrix, and DEC OS. Application environments include: Informix, Oracle (v.6 and v.8), SQL Server (6 and 7), Sybase, Sapphire, Cold Fusion, Brio Demand and Broadcast servers, Netscape Enterprise suite of products, and Apache web servers. Additional environments that can be optionally included are Macintosh Operating System X with Web Objects servers and Sirsi Stilas (implemented as NASA GALAXIE) library management software.

No assessment of the application of NASA's ODIN contracts should be considered in this process by the Contractor. Decisions regarding the inclusion or exclusion of the individual systems have not yet been made and will not be based on the results of this study.

Statement of Work: The Contractor shall perform the following tasks:

1. **Issues Identification.** The Contractor shall identify the key issues associated with applying the Unicenter TNG software to the ISB environment. This will include security, effectiveness, operational availability, data

reporting, and operations issues as a minimum. It will also include identification of the current condition of the various systems. It will identify key parameters that should be measured in order to provide a service bureau operation of the included systems. Describe the results in the Trade Study and Concept Design (Item 1).

2. Trade Study. The Contractor shall identify the widest possible variety of approaches in which automation technology can be applied to the management and operations of ISB server computers. Verification of performance or capabilities through testing may be accomplished as required to support the development of a recommended solution. Describe in the Trade Study and Concept Design (Item 1).
3. Recommendation. The Contractor shall recommend a solution to the need for the automation of ISB's server computers. It shall include needs met, comments about the issues identified, needs which cannot be met through this solution, and comparative data regarding implementation and life cycle costs. Describe in the Trade Study and Concept Design (Item 1).
4. Implementation Plan. The Contractor shall prepare an initial draft implementation plan for setting up the recommended concept design. This will identify initial conditions, work tasks, schedule, acquisition costs and life cycle costs. It will identify key factors in the operations and maintenance of this system. It will identify any testing which must be conducted to evaluate the characteristics of the recommendation in ISB's environment. Document in Implementation Plan (Item 2).
5. Progress Reports. The Contractor shall provide biweekly status reports (Item 3) of the progress made, significant accomplishments and results, any obstacles or problems encountered, and an estimate of the resources consumed compared to the planned expenditure.

Deliverables

Item 1: Trade Study and Concept Design

Item 2: Implementation Plan

Item 3: Biweekly Progress Report

Schedule

Working Days After Award	Description
2	Meet with Government to discuss issues input
7	Deliver Table of Contents for the Trade Study (Del. 1) and the Implementation Plan (Del. 2)
7	Contractor to confirm feasibility of Government task schedule
21	Deliver Final Trade Study and Recommendation (Deliverable 1)
42	Deliver Final Implementation Plan (Deliverable 2)

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD# GM005

Title: Spectrum System Design Architecture Study and Prototype

LaRC Point of Contact: Jeanette George, Information Systems Branch
Mail Stop 158
Phone 4-3258

Scope: This JDD provides for the development of an Internet architecture development plan that can be used by NASA Langley business applications in an efficient object-based structure. The architecture will be demonstrated with a prototype of the Langley Loan System application.

The contractor will assess the present architectures and development tools and determine alternatives to meet the objectives as listed in the Statement of Work that is attached. Final acceptance testing will be conducted by ISB and OLM.

System Summary: Development of an Internet architecture development plan using the Langley Loan System application as a prototype.

General Requirements: See below.

Required Functionality: See below.

Deliverables: Item 1: Development Framework Approach
Item 2: Prototype (at least 10 operational screens)

Schedule:

Working Days After Award	Description
2	Meeting with Govt to discuss issues
7	Deliver Table of Contents for the Development Study
7	Contractor to confirm feasibility of Govt task schedule
30	Deliver Final Architecture Study and Recommendations (Deliverable 1)
40	Deliver Final Prototype (Deliverable 2)

**Statement of Work
Spectrum System Design Architecture Study and Prototype**

Purpose

The purpose of this task is to development an Internet architecture development plan that can be used by NASA Langley business applications in an efficient object-based structure. The architecture will be demonstrated with a prototype of the Langley Loan System application.

Background

NASA Langley Research Center requires a structured development approach for Internet application development. Even though a wide range of tools is available, considerable skill and experience are necessary to be able to integrate and apply them effectively. Therefore, a standard development approach must be created to improve quality streamline development cycles, and reduce application life cycle costs.

It is expected that application of appropriate development tools within a structured development framework will accomplish the following objectives:

- 1) improve functional performance of the systems and services
- 2) create a standard for application development that will reduce typical development cycles by 20%;
- 3) Organize business rules, user interfaces, and database sources into functional units to reduce life cycle costs and provide for a mechanism to accurately budget future development costs. Code reuse of at least 30% should be realized once the development framework is operational.

Scope

This investigation will assess the present architectures and development tools and determine alternatives to meet the objectives listed above. A prototype will be developed using the Langley Loan Management System application to demonstrate capability and function.

The current Langley Loan Management System consists of three 10-year old dBase applications that were developed on a personal computer (PC) for use by one or two individuals. The present applications are standalone and cannot be expanded to meet the needs of the Office of Logistics Management (OLM). These applications should be replaced to meet existing requirements and provide an environment for future development. However, a development approach must first be determined so that migration of all legacy applications can benefit from a consolidated development approach.

This environment must establish a framework that is reusable and can build from stable commercial-off-the-shelf (COTS) development tools.

The investigation must determine a development architecture that can be used enterprise-wide and be compliant with up-to-date industry standards (e.g., CORBA, DCOM).

Langley Loan Management System

The current Loan Management System consists of three distinct applications:

1. Outgoing-Loan System (OLS) for outgoing loans
2. Incoming Loan System (ILS)
3. Space Act Agreement (SAA) Loans

The study will use the existing Loan System program/database and the Loan System Requirements Document for information in developing a demonstrable prototype.

System functions to consider for inclusion in the prototype include but are not limited to:

Security System:

The Loan Management System server shall be open to only LaRC users.

Application System Logon:

A User-ID and password shall be required to access the Loan Management System.

Application Security:

The System Administrator shall have the capability of assigning the User-ID's and default passwords. Users shall be required to change their password from the default password to one of their own. Users shall have an on-line menu option to change their password at any time.

Mail:

The Outgoing Loan System (OLS) shall provide the capability to revise the contents of automatically generated letter templates with mail-merge capability from database information.

Lookup Table:

The Loan Management System shall provide the capability to maintain the contents of the lookup tables for Loan Types and Loan Category enabling the user to add new codes, new descriptions, and be able to revise the description of existing codes.

People:

The Loan Management System shall provide the capability to maintain non-LaRC personnel on the people table to add/update names, phone numbers, street addresses, and e-mail addresses not available automatically from external sources.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 84	3. EFFECTIVE DATE 12/8/99	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

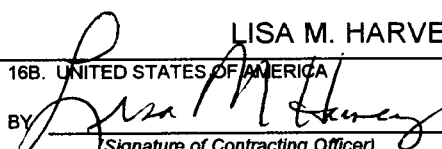
E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide incremental funding in the amount of \$1,212,700. Accordingly, the following changes are hereby made:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY 	12/8/99
		(Signature of Contracting Officer)	

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

FILE COPY

A. Incremental Funding in the amount of \$1,212,700 is being provided as follows: funding for cost will be increased by \$1,212,700, funding for fee will be increased by \$0. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

“B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$16,431,264. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996, through January 31, 2000.

(b) An additional amount of \$874,916 is obligated under this contract for payment of fee.”

B. All other contract terms and conditions remain unchanged.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 65	\$15,169,282	\$705,636	\$15,874,918	\$12,132,727
Mod. 66	0	0	0	0
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Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Mod. 72	5,483,887	314,530	5,798,417	0
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Mod. 78	0	0	0	279,000
Mod. 79	0	0	0	200,000
Mod. 80	0	0	0	66,900
Mod. 81	0	0	0	0
Mod. 82	0	0	0	57,574
Mod. 83	56,708	-14,146	42,562	300,000
Mod. 84	0	0	0	1,212,700
Total	\$18,561,021	\$869,334	\$19,430,355	\$17,306,180

Funding includes \$16,431,264 for cost and \$874,916 for fee.

Acct and Appropriation Data:

SAA.1001	A7101	\$ 200,000	complete
SLB.1021	M4004	\$ 4,500	complete
RFZ.1009	M1754	\$ 8,200	complete
SLB.1022	A5160	\$1,000,000	complete

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1 13

2. AMENDMENT/MODIFICATION NO.

85

3. EFFECTIVE DATE

1-5-00

4. REQUISITION/PURCHASE REQ. NO.

See page 2

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-2199

7. ADMINISTERED BY (If other than Item 6)

CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)

NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102

(x)

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.

NAS1-20650

X

10B. DATED (SEE ITEM 13)

2/1/96

CODE

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 3

- (x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- D. OTHER (Specify type of modification and authority)
X 52.217-9, Option to Extend the Term of the Contract (Mar 1989)

E. IMPORTANT: Contractor is not is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to exercise the fourth 12-month option period and to update Exhibit E to incorporate the most recent wage determination. Accordingly, the following changes are hereby made to the Contract Schedule:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		ROSEMARY C. FROEHLICH	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY <i>Rosemary C Froehlich</i> (Signature of Contracting Officer)	1-5-00

FILE COPY

A. Section B, B.2, is revised to increase cost by \$6,910,917 from \$18,561,021 to \$25,471,938. Award fee available is increased by \$394,030 from \$869,333 to \$1,263,363.

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$25,471,938 exclusive of the award fee of \$1,263,363 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$26,735,301.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available/Earned Award Fee</u>
February 1, 1996 – July 31, 1996	\$96,000
August 1, 1996 – January 31, 1997	\$90,000
February 1, 1997 – July 31, 1997	\$155,772
August 1, 1997 – January 31, 1998	\$101,313
February 1, 1998 – July 31, 1998	\$128,400
August 1, 1998 – January 31, 1999	\$ 60,060
February 1, 1999 – July 31, 1999	\$ 113,000
August 1, 1999 – January 31, 2000	\$ 124,788
February 1, 2000 – July 31, 2001	\$ 197,015
August 1, 2000 – January 31, 2001	\$ 197,015*

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Section F, F.1, Period of Performance, is revised to extend the period of performance by 12 months from January 31, 2000, to January 31, 2001, and will read as follows:

“F.1 Period of Performance

The period of performance of this contract shall be February 1, 1996, through January 31, 2001.”

C. Exhibit E, Register of Wage Determination and Fringe Benefits, July 1998 is deleted in its entirety and replaced with the attached Wage Determination No. 94-2544, Revision No. 18, dated June 3, 1999.

D. All other terms and conditions remain unchanged.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 65	\$15,169,282	\$705,635	\$15,874,917	\$12,132,727
Mod. 66	0	0	0	0
Mod. 67	0	0	0	299,579
Mod. 68	0	-20,384	-20,384	0
Mod. 69	0	0	0	5,000
Mod. 70	0	0	0	120,000
Mod. 71	0	0	0	950,000
Mod. 72	5,483,887	314,530	5,798,417	0
Mod. 73	0	0	0	1,340,000
Mod. 74	-2,148,856	-116,302	-2,265,158	0
Mod. 75	0	0	0	0
Mod. 76	0	0	0	0
Mod. 77	0	0	0	342,700
Mod. 78	0	0	0	279,000
Mod. 79	0	0	0	200,000
Mod. 80	0	0	0	66,900
Mod. 81	0	0	0	0
Mod. 82	0	0	0	57,574
Mod. 83	56,708	-14,146	42,562	300,000
Mod. 84	0	0	0	1,212,700
Mod. 85	6,910,917	394,030	7,304,947	0
Total	\$25,471,938	\$1,263,363	\$26,735,301	\$17,306,180

Funding includes \$16,431,264 for cost and \$874,916 for fee.

Accounting and Appropriation Data:

None

EXHIBIT E, WAGE DETERMINATION

94-2544 VA, NORFOLK 06/08/99

FOR OFFICIAL USE ONLY BY FEDERAL AGENCIES PARTICIPATING IN MOU WITH DOL

REGISTER OF WAGE DETERMINATION UNDER
UNDER THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMIN.
WAGE AND HOUR DIVISION
Washington, DC 20210
Wage Determination No.: 94-2544
Revision No.: 18
Date of Last Revision: 06/03/1999

State: North Carolina, Virginia

Areas: North Carolina COUNTIES OF Camden, Chowan, Currituck, Gates,
Pasquotank, Perquimans
Virginia COUNTIES OF Gloucester, Isle of Wight, James City, Mathews,
Southampton, Surry, York, Chesapeake, Hampton, Newport News, Norfolk
Poquoson, Portsmouth, Suffolk, Virginia Beach, Williamsburg

** Fringe Benefits Required For All Occupations Included In
This Wage Determination Follow The Occupational Listing **

OCCUPATION CODE AND TITLE MINIMUM HOURLY WAGE

Administrative Support and Clerical Occupations:

01011 Accounting Clerk I	\$ 7.76
01012 Accounting Clerk II	\$ 9.80
01013 Accounting Clerk III	\$ 12.19
01014 Accounting Clerk IV	\$ 13.23
01030 Court Reporter	\$ 12.43
01050 Dispatcher, Motor Vehicle	\$ 10.61
01060 Document Preparation Clerk	\$ 9.38
01070 Messenger (Courier)	\$ 7.62
01090 Duplicating Machine Operator	\$ 9.38
01110 Film/Tape Librarian	\$ 9.28
01115 General Clerk I	\$ 7.51
01116 General Clerk II	\$ 9.24
01117 General Clerk III	\$ 11.49
01118 General Clerk IV	\$ 12.84
01120 Housing Referral Assistant	\$ 13.25
01131 Key Entry Operator I	\$ 8.82
01132 Key Entry Operator II	\$ 11.10
01191 Order Clerk I	\$ 8.50
01192 Order Clerk II	\$ 11.12
01261 Personnel Assistant (Employment) I	\$ 9.49
01262 Personnel Assistant (Employment) II	\$ 10.97
01263 Personnel Assistant (Employment) III	\$ 11.58
01264 Personnel Assistant (Employment) IV	\$ 13.27
01270 Production Control Clerk	\$ 13.78
01290 Rental Clerk	\$ 9.97

01300 Scheduler, Maintenance	\$ 9.97
01311 Secretary I	\$ 9.97
01312 Secretary II	\$ 11.60
01313 Secretary III	\$ 13.25
01314 Secretary IV	\$ 15.53
01315 Secretary V	\$ 16.30
01320 Service Order Dispatcher	\$ 10.67
01341 Stenographer I	\$ 10.10
01342 Stenographer II	\$ 11.34
01400 Supply Technician	\$ 13.23
01420 Survey Worker (Interviewer)	\$ 10.80
01460 Switchboard Operator-Receptionist	\$ 8.08
01510 Test Examiner	\$ 11.60
01520 Test Proctor	\$ 11.60
01531 Travel Clerk I	\$ 7.57
01532 Travel Clerk II	\$ 8.08
01533 Travel Clerk III	\$ 8.62
01611 Word Processor I	\$ 10.00
01612 Word Processor II	\$ 11.27
01613 Word Processor III	\$ 12.62

Automatic Data Processing Occupations:

03010 Computer Data Librarian	\$ 8.26
03041 Computer Operator I	\$ 9.25
03042 Computer Operator II	\$ 10.70
03043 Computer Operator III	\$ 13.25
03044 Computer Operator IV	\$ 15.34
03045 Computer Operator V	\$ 16.31
03071 Computer Programmer I 1/	\$ 15.39
03072 Computer Programmer II 1/	\$ 17.42
03073 Computer Programmer III 1/	\$ 20.76
03074 Computer Programmer IV 1/	\$ 24.75
03101 Computer Systems Analyst I 1/	\$ 19.38
03102 Computer Systems Analyst II 1/	\$ 22.32
03103 Computer Systems Analyst III 1/	\$ 27.48
03160 Peripheral Equipment Operator	\$ 9.50

Automotive Service Occupations:

05005 Automobile Body Repairer, Fiberglass	\$ 16.22
05010 Automotive Glass Installer	\$ 14.79
05040 Automotive Worker	\$ 14.79
05070 Electrician, Automotive	\$ 15.49
05100 Mobile Equipment Servicer	\$ 13.37
05130 Motor Equipment Metal Mechanic	\$ 16.22
05160 Motor Equipment Metal Worker	\$ 14.79
05190 Motor Vehicle Mechanic	\$ 16.22
05220 Motor Vehicle Mechanic Helper	\$ 12.61
05250 Motor Vehicle Upholstery Worker	\$ 14.07
05280 Motor Vehicle Wrecker	\$ 14.79
05310 Painter, Automotive	\$ 15.49
05340 Radiator Repair Specialist	\$ 14.07
05370 Tire Repairer	\$ 13.37
05400 Transmission Repair Specialist	\$ 16.22

Food Preparation and Service Occupations:

07010 Baker	\$ 8.68
07041 Cook I	\$ 7.85
07042 Cook II	\$ 8.68
07070 Dishwasher	\$ 6.96
07100 Food Service Worker (Cafeteria Worker)	\$ 6.30
07130 Meat Cutter	\$ 9.85
07250 Waiter/Waitress	\$ 6.58

Furniture Maintenance and Repair Occupations:

09010 Electrostatic Spray Painter	\$ 17.81
09040 Furniture Handler	\$ 12.89
09070 Furniture Refinisher	\$ 15.49
09100 Furniture Refinisher Helper	\$ 12.61
09110 Furniture Repairer, Minor	\$ 14.07
09130 Upholsterer	\$ 15.49

General Service and Support Occupations:

11030 Cleaner, Vehicles	\$ 6.96
11060 Elevator Operator	\$ 6.05
11090 Gardener	\$ 8.91
11121 Housekeeping Aide I	\$ 6.70
11122 Housekeeping Aide II	\$ 7.46
11150 Janitor	\$ 6.96
11210 Laborer, Grounds Maintenance	\$ 7.57
11240 Maid or Houseman	\$ 6.24
11270 Pest Controller	\$ 8.25
11300 Refuse Collector	\$ 6.96
11330 Tractor Operator	\$ 8.49
11360 Window Cleaner	\$ 7.57

Health Occupations:

12020 Dental Assistant	\$ 10.26
12040 Emergency Medical Tech./Paramedic Ambulance Driver	\$ 10.26
12071 Licensed Practical Nurse I	\$ 9.40
12072 Licensed Practical Nurse II	\$ 10.55
12073 Licensed Practical Nurse III	\$ 11.80
12100 Medical Assistant	\$ 9.46
12130 Medical Laboratory Technician	\$ 10.11
12160 Medical Record Clerk	\$ 10.13
12190 Medical Record Technician	\$ 12.71
12221 Nursing Assistant I	\$ 6.66
12222 Nursing Assistant II	\$ 7.49
12223 Nursing Assistant III	\$ 8.17
12224 Nursing Assistant IV	\$ 9.17
12250 Pharmacy Technician	\$ 11.44
12280 Phlebotomist	\$ 10.55
12311 Registered Nurse I	\$ 14.62
12312 Registered Nurse II	\$ 17.88
12313 Registered Nurse II, Specialist	\$ 17.88

12314 Registered Nurse III	\$ 21.64
12315 Registered Nurse III, Anesthetist	\$ 21.64
12316 Registered Nurse IV	\$ 25.93

Information and Arts Occupations:

13002 Audiovisual Librarian	\$ 13.75
13011 Exhibits Specialist I	\$ 15.02
13012 Exhibits Specialist II	\$ 18.25
13013 Exhibits Specialist III	\$ 20.27
13041 Illustrator I	\$ 15.02
13042 Illustrator II	\$ 18.25
13043 Illustrator III	\$ 20.27
13047 Librarian	\$ 15.81
13050 Library Technician	\$ 11.02
13071 Photographer I	\$ 11.33
13072 Photographer II	\$ 15.02
13073 Photographer III	\$ 18.25
13074 Photographer IV	\$ 20.27
13075 Photographer V	\$ 24.53

Laundry, Drycleaning, Pressing and Related Occups:

15010 Assembler	\$ 5.83
15030 Counter Attendant	\$ 5.83
15040 Dry Cleaner	\$ 7.18
15070 Finisher, Flatwork, Machine	\$ 5.83
15090 Presser, Hand	\$ 5.83
15100 Presser, Machine, Drycleaning	\$ 5.83
15130 Presser, Machine, Shirts	\$ 5.83
15160 Presser, Machine, Wearing Apparel, Laundry	\$ 5.83
15190 Sewing Machine Operator	\$ 7.66
15220 Tailor	\$ 8.13
15250 Washer, Machine	\$ 6.28

Machine Tool Operation and Repair Occupations:

19010 Machine-Tool Operator (Toolroom)	\$ 15.49
19040 Tool and Die Maker	\$ 17.84

Materials Handling and Packing Occupations:

21010 Fuel Distribution System Operator	\$ 13.37
21020 Material Coordinator	\$ 14.02
21030 Material Expediter	\$ 14.02
21040 Material Handling Laborer	\$ 8.56
21050 Order Filler	\$ 8.46
21071 Forklift Operator	\$ 10.36
21080 Production Line Worker (Food Processing)	\$ 10.54
21100 Shipping/Receiving Clerk	\$ 10.18
21130 Shipping Packer	\$ 10.18
21140 Store Worker I	\$ 8.40
21150 Stock Clerk (Shelf Stocker; Store Worker II)	\$ 10.51
21210 Tools and Parts Attendant	\$ 12.54
21400 Warehouse Specialist	\$ 12.07

Mechanics and Maintenance and Repair Occupations:

23010 Aircraft Mechanic	\$ 17.75
23040 Aircraft Mechanic Helper	\$ 13.80
23050 Aircraft Quality Control Inspector	\$ 18.53
23060 Aircraft Servicer	\$ 15.39
23070 Aircraft Worker	\$ 16.18
23100 Appliance Mechanic	\$ 15.49
23120 Bicycle Repairer	\$ 13.37
23125 Cable Splicer	\$ 16.22
23130 Carpenter, Maintenance	\$ 15.49
23140 Carpet Layer	\$ 17.01
23160 Electrician, Maintenance	\$ 16.22
23181 Electronics Technician, Maintenance I	\$ 14.09
23182 Electronics Technician, Maintenance II	\$ 14.41
23183 Electronics Technician, Maintenance III	\$ 15.44
23260 Fabric Worker	\$ 14.07
23290 Fire Alarm System Mechanic	\$ 16.22
23310 Fire Extinguisher Repairer	\$ 13.37
23340 Fuel Distribution System Mechanic	\$ 16.22
23370 General Maintenance Worker	\$ 14.79
23400 Heating, Refrigeration and Air-Conditioning Mechanic	\$ 16.22
23430 Heavy Equipment Mechanic	\$ 16.22
23440 Heavy Equipment Operator	\$ 16.22
23460 Instrument Mechanic	\$ 16.22
23470 Laborer	\$ 9.68
23500 Locksmith	\$ 15.49
23530 Machinery Maintenance Mechanic	\$ 16.18
23550 Machinist, Maintenance	\$ 16.22
23580 Maintenance Trades Helper	\$ 12.61
23640 Millwright	\$ 18.65
23700 Office Appliance Repairer	\$ 15.49
23740 Painter, Aircraft	\$ 15.49
23760 Painter, Maintenance	\$ 15.49
23790 Pipefitter, Maintenance	\$ 16.22
23800 Plumber, Maintenance	\$ 15.49
23820 Pneudraulic Systems Mechanic	\$ 16.22
23850 Rigger	\$ 16.22
23870 Scale Mechanic	\$ 14.79
23890 Sheet-Metal Worker, Maintenance	\$ 16.22
23910 Small Engine Mechanic	\$ 14.79
23930 Telecommunications Mechanic I	\$ 16.22
23931 Telecommunications Mechanic II	\$ 19.48
23950 Telephone Lineman	\$ 16.22
23960 Welder, Combination, Maintenance	\$ 16.22
23965 Well Driller	\$ 16.22
23970 Woodcraft Worker	\$ 16.22
23980 Woodworker	\$ 13.37

Personal Needs Occupations:

24570 Child Care Attendant	\$ 6.34
24580 Child Care Center Clerk	\$ 9.10
24600 Chore Aide	\$ 5.92

24630 Homemaker \$ 9.58

Plant and System Operation Occupations:

25010 Boiler Tender \$ 16.22
25040 Sewage Plant Operator \$ 17.21
25070 Stationary Engineer \$ 16.22
25190 Ventilation Equipment Tender \$ 12.61
25210 Water Treatment Plant Operator \$ 17.21

Protective Service Occupations:

27004 Alarm Monitor \$ 8.29
27006 Corrections Officer \$ 11.91
27010 Court Security Officer \$ 11.91
27040 Detention Officer \$ 11.91
27070 Firefighter \$ 13.19
27101 Guard I \$ 6.93
27102 Guard II \$ 8.29
27130 Police Officer \$ 14.25

Stevedoring/Longshoremen Occupational Services:

28010 Blocker and Bracer \$ 14.18
28020 Hatch Tender \$ 12.33
28030 Line Handler \$ 12.33
28040 Stevedore I \$ 13.57
28050 Stevedore II \$ 14.90

Technical Occupations:

29010 Air Traffic Control Specialist, Center 2/ \$ 24.90
29011 Air Traffic Control Specialist, Station 2/ \$ 17.17
29012 Air Traffic Control Specialist, Terminal 2/ \$ 18.91
29023 Archeological Technician I \$ 11.43
29024 Archeological Technician II \$ 12.85
29025 Archeological Technician III \$ 15.87
29030 Cartographic Technician \$ 15.87
29035 Computer Based Training (CBT) Specialist/Instructor \$ 20.26
29040 Civil Engineering Technician \$ 18.25
29061 Drafter I \$ 10.07
29062 Drafter II \$ 11.33
29063 Drafter III \$ 14.24
29064 Drafter IV \$ 17.30
29081 Engineering Technician I \$ 12.06
29082 Engineering Technician II \$ 12.90
29083 Engineering Technician III \$ 15.89
29084 Engineering Technician IV \$ 19.25
29085 Engineering Technician V \$ 22.48
29086 Engineering Technician VI \$ 27.78
29090 Environmental Technician \$ 15.87
29100 Flight Simulator/Instructor (Pilot) \$ 23.32
29150 Graphic Artist \$ 17.62
29160 Instructor \$ 17.51
29210 Laboratory Technician \$ 11.86

29240 Mathematical Technician	\$ 15.87
29361 Paralegal/Legal Assistant I	\$ 10.80
29362 Paralegal/Legal Assistant II	\$ 13.12
29363 Paralegal/Legal Assistant III	\$ 16.05
29364 Paralegal/Legal Assistant IV	\$ 19.42
29390 Photooptics Technician	\$ 18.25
29480 Technical Writer	\$ 15.02
29491 Unexploded Ordnance Technician I	\$ 15.82
29492 Unexploded Ordnance Technician II	\$ 19.15
29493 Unexploded Ordnance Technician III	\$ 22.95
29494 Unexploded Safety Escort	\$ 15.82
29495 Unexploded Sweep Personnel	\$ 15.82
29620 Weather Observer, Senior 3/	\$ 14.72
29621 Weather Observer, Combined Upper Air & Surface Programs 3/	\$ 13.60
29622 Weather Observer, Upper Air 3/	\$ 13.60

Transportation/Mobile Equipment Operation Occupys:

31030 Bus Driver	\$ 9.42
31260 Parking and Lot Attendant	\$ 6.98
31290 Shuttle Bus Driver	\$ 9.01
31300 Taxi Driver	\$ 8.50
31361 Truckdriver, Light Truck	\$ 9.01
31362 Truckdriver, Medium Truck	\$ 9.42
31363 Truckdriver, Heavy Truck	\$ 11.18
31364 Truckdriver, Tractor-Trailer	\$ 11.18

Miscellaneous Occupations:

99020 Animal Caretaker	\$ 7.00
99030 Cashier	\$ 6.23
99041 Carnival Equipment Operator	\$ 8.49
99042 Carnival Equipment Repairer	\$ 8.91
99043 Carnival Worker	\$ 6.05
99050 Desk Clerk	\$ 7.00
99095 Embalmer	\$ 17.63
99300 Lifeguard	\$ 6.16
99310 Mortician	\$ 17.63
99350 Park Attendant (Aide)	\$ 7.74
99400 Photofinishing Worker (Photo Lab Tech., Darkroom Tech)	6.91
99500 Recreation Specialist	\$ 13.04
99510 Recycling Worker	\$ 8.52
99610 Sales Clerk	\$ 6.16
99620 School Crossing Guard (Crosswalk Attendant)	\$ 6.96
99630 Sports Official	\$ 6.16
99658 Survey Party Chief (Chief of Party)	\$ 9.49
99659 Surveying Technician (Instr. Person/Surveyor Asst./Instr.)	\$ 8.63
99660 Surveying Aide	\$ 5.92
99690 Swimming Pool Operator	\$ 8.68
99720 Vending Machine Attendant	\$ 8.52
99730 Vending Machine Repairer	\$ 9.98
99740 Vending Machine Repairer Helper	\$ 8.52

**** Fringe Benefits Required For All Occupations Included In This Wage Determination ****

HEALTH & WELFARE: Life, accident, and health insurance plans, sick leave, pension plans, civic and personal leave, severance pay, and savings and thrift plans. Minimum employer contributions costing an average of \$2.56 per hour computed on the basis of all hours worked by service employees employed on the contract.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 8 years; 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with predecessor contractors in the performance of similar work at the same Federal facility. (See 29 CFR 4.173)

HOLIDAYS: Minimum of ten paid holidays per year: New Year's Day, Martin Luther King Jr.'s Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

1/ Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See 29 CFR 4.156)

2/ **APPLICABLE TO AIR TRAFFIC CONTROLLERS ONLY - NIGHT DIFFERENTIAL:** An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.

3/ **WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY:** If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employee (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

**** UNIFORM ALLOWANCE ****

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$4.25 per week (or \$.85 cents per day).

However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Titles and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by the Second Supplement, dated August 1995, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE
{Standard Form 1444 (SF 1444)}

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. {See Section 4.6 (C)(vi)} When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation) and computes a proposed rate).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title), a Federal grade equivalency (FGE) for each proposed classification), job description), and rationale for proposed wage rate), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).

4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.

5) The contracting officer transmits the Wage and Hour decision to the contractor.

6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 86	3. EFFECTIVE DATE 3/16/00	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
--	---

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) NCI Information Systems, Inc. 8260 Greensboro Drive, Suite 400 McLean, VA 22102	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-20650
		10B. DATED (SEE ITEM 13) 2/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 18-52.216-76 Award Fee for Service Contracts (SEP 1993)

E. IMPORTANT: Contractor X is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is revise the award fee available for payment for the eighth award fee period to reflect the amount earned as determined by the Government. Accordingly, the following change is hereby made to the Contract Schedule.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LISA M. HARVEY CONTRACTING OFFICER	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Lisa M Harvey</i> (Signature of Contracting Officer)	16C. DATE SIGNED 3/16/00
(Signature of person authorized to sign)			



A. Section B., B.2, ESTIMATED COST, AWARD FEE, AND FIXED FEE, Paragraph B, is revised to reflect the award fee available for the eighth award fee period in the amount of \$114,805 as reflected below:

"B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available/Earned Award Fee</u>
February 1, 1996 - July 31, 1996	\$96,000
August 1, 1996 - January 31, 1997	\$90,000
February 1, 1997 - July 31, 1997	\$155,772
August 1, 1997 - January 31, 1998	\$101,313
February 1, 1998 - July 31, 1998	\$128,400
August 1, 1998 - January 31, 1999	\$ 60,060
February 1, 1999 - July 31, 1999	\$ 113,000
August 1, 1999 - January 31, 2000	\$ 114,805"

B. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 **2**

2. AMENDMENT/MODIFICATION NO. **87**
3. EFFECTIVE DATE **MAR 20 2000**
4. REQUISITION/PURCHASE REQ. NO. **See Block 12**
5. PROJECT NO. (if applicable)

6. ISSUED BY
CODE
**National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-2199**
7. ADMINISTERED BY (if other than Item 6)
CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
**NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102**
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-20650
10B. DATED (SEE ITEM 13)
2/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide incremental funding in the amount of \$1,703,200. Accordingly, the following changes are hereby made:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
LISA M. HARVEY
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED
16B. UNITED STATES OF AMERICA
BY *Lisa M Harvey*
(Signature of Contracting Officer)
16C. DATE SIGNED
3/20/00
(Signature of person authorized to sign)

FILE COPY

A. Incremental Funding in the amount of \$1,703,200 is being provided as follows: funding for cost will be increased by \$1,528,200, funding for fee will be increased by \$175,000. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

“B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$17,959,464. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996, through August 3, 2000.

(b) An additional amount of \$1,049,916 is obligated under this contract for payment of fee.”

B. All other contract terms and conditions remain unchanged.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 84	\$18,561,021	\$869,334	\$19,430,355	\$17,306,180
Mod. 85	6,910,917	394,030	7,304,947	0
Mod. 86	0	0	0	0
Mod. 87	0	0	0	1,703,200
Total	\$25,471,938	\$1,263,364	\$26,735,302	\$19,009,380

Funding includes \$17,959,464 for cost and \$1,049,916 for fee.

Acct and Appropriation Data:

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>Program No.</u>	<u>Amount</u>	<u>Complete/Partial</u>
SLB.1028	00	A5487	282-30-02-14	\$ 75,000	Complete
SLB.1029	00	A5487	282-30-02-14	\$ 150,000	Complete
SLB.1039	00	A5160	282-30-02-04	\$1,230,000	Complete
SLB.1040	00	A5063	282-10-08-00	\$ 2,800	Complete
RFC.1046	00	M3235	992-20-03-31	\$ 9,500	Complete
SMB.1003	00	M3213	992-20-09-32	\$ 46,000	Complete
	00	M4012	992-30-12-01	\$ 46,000	Complete
SMB.1004	00	M3213	992-20-09-32	\$ 4,500	Complete
SMB.1005	00	M3213	992-20-09-32	\$ 4,500	Complete
SMB.1006	00	M3213	992-20-09-32	\$ 10,900	Complete
SCB.1013	00	M3971	992-30-06-02	\$ 15,000	Complete
SA.1006	00	A5000	282-10-01-07	\$ 15,000	Complete
SC.1004	00	M3159	992-30-06-01	\$ 84,000	Complete
RFZ.1019	00	M1754	997-18-00-16	\$ 10,000	Complete
Total				\$1,703,200	

NOTE: \$216,000 on PR SC.1004 is released.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

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1 2

2. AMENDMENT/MODIFICATION NO.

88

3. EFFECTIVE DATE

4. REQUISITION/PURCHASE REQ. NO.

See Block 12

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

7. ADMINISTERED BY (If other than Item 6)

CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-2199

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)

NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.

NAS1-20650

10B. DATED (SEE ITEM 13)

2/1/96

CODE

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to provide incremental funding in the amount of \$528,900. Accordingly, the following changes are hereby made:

(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		LISA M. HARVEY	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY Lisa M Harvey	5/2/00
		(Signature of Contracting Officer)	

FILE COPY

A. Incremental Funding in the amount of \$528,900 is being provided as follows: funding for cost will be increased by \$493,900, funding for fee will be increased by \$35,000. Accordingly, Section B., B-3, Contract Funding, is revised as follows:

"B.3 CONTRACT FUNDING (NASA 18-52.232.81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government on this contract is \$18,453,364. This allotment is for Business and Administrative Management Information Services (BAMIS) and covers the following estimated period of performance: February 1, 1996, through September 3, 2000.

(b) An additional amount of \$1,084,916 is obligated under this contract for payment of fee."

B. All other contract terms and conditions remain unchanged.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 84	\$18,561,021	\$869,334	\$19,430,355	\$17,306,180
Mod. 85	6,910,917	394,030	7,304,947	0
Mod. 86	0	0	0	0
Mod. 87	0	0	0	1,703,200
Mod. 88	0	0	0	528,900
Total	\$25,471,938	\$1,263,364	\$26,735,302	\$19,538,280

Funding includes \$18,453,364 for cost and \$1,084,916 for fee.

Acct and Appropriation Data:

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>Program No.</u>	<u>Amount</u>	<u>Complete/Partial</u>
SLB.1042	00	R24056	258-80-00-30	\$ 8,500	Complete
SLB.1046	00	M4069	992-30-02-11	\$ 60,000	Complete
SCB.1019	00	M3971	992-30-06-02	\$ 7,000	Complete
RFZ.1025	00	M1754	997-18-00-16	\$ 2,400	Complete
SA.1007	00	A7142	282-10-90-90	\$ 59,000	Complete
SA.1008	00	A5003	282-10-01-06	\$ 4,000	Complete
SAA.1002	00	A7101	282-10-01-99	\$ 250,000	Complete
SC.1007	00	M3971	992-30-06-02	\$ 28,000	Complete
SI.2056	00	A5063	282-10-08-00	\$ 110,000	Complete
Total				\$ 528,900	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
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1 6

2. AMENDMENT/MODIFICATION NO. 89
3. EFFECTIVE DATE **MAY 12 2000**
4. REQUISITION/PURCHASE REQ. NO. N/A
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001
7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
NCI Information Systems, Inc.
8260 Greensboro Drive, Suite 400
McLean, VA 22102
(x) 9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
x NAS1-20650
10B. DATED (SEE ITEM 13)
2/1/96
CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt II (APR 1984)
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to provide for a full and equitable adjustment pursuant to the Changes clause as a result of the statement of work being changed. Accordingly, Exhibit G is being revised to reflect the JDD statement of work that is being added. The following changes are hereby made to the Contract Schedule:

EXECUTED BY ALL PARTIES
(continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
Marianne J. Strathman
Director of Federal Contracts
15B. CONTRACT ID OF OFFEROR
15C. DATE SIGNED
5/11/00
Signature of person authorized to sign

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
LISA M. HARVEY
16B. UNITED STATES OF AMERICA
BY *Rosa M Harvey*
(Signature of Contracting Officer)
16C. DATE SIGNED
5/12/00

FILE COPY

A. Section B, B.2, is revised to increase cost by \$104,612 from \$25,471,938 to \$25,576,550. Award fee available is increased by \$5,277 from \$1,263,364 to \$1,268,641.

“B.2 ESTIMATED COST, AWARD FEE, AND FIXED FEE

A. The estimated cost of this contract is \$25,576,550 exclusive of the award fee of \$1,268,641 and fixed fee* of \$0. The total estimated cost, award fee, and fixed fee is \$26,845,191.

B. The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available/Earned Award Fee</u>
February 1, 1996 – July 31, 1996	\$96,000
August 1, 1996 – January 31, 1997	\$90,000
February 1, 1997 – July 31, 1997	\$155,772
August 1, 1997 – January 31, 1998	\$101,313
February 1, 1998 – July 31, 1998	\$128,400
August 1, 1998 – January 31, 1999	\$ 60,060
February 1, 1999 – July 31, 1999	\$113,000
August 1, 1999 – January 31, 2000	\$124,788
February 1, 2000 – July 31, 2000	\$202,292
August 1, 2000 – January 31, 2001	\$197,015”

*A fixed fee amount will be inserted if the Government exercises any of the six one-month options to extend the contract term as set forth in H.12, Options.

B. Exhibit G, Job Description Documents (JDDs), Section 9, is revised to add the statement of work for GM005.01 as a result of this modification.

CONTRACT TABULATION

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Through Mod. 84	\$18,561,021	\$869,334	\$19,430,355	\$17,306,180
Mod. 85	6,910,917	394,030	7,304,947	0
Mod. 86	0	0	0	0
Mod. 87	0	0	0	1,703,200
Mod. 88	0	0	0	528,900
Mod. 89	104,612	5,277	109,889	0
Total	\$25,576,550	\$1,268,641	\$26,845,191	\$19,538,280

Funding includes \$18,453,364 for cost and \$1,084,916 for fee.

DEFINITIZED JOB DESCRIPTION DOCUMENTS (JDD) INCLUSIVE OF FUNDING

JDD Number	Estimated Cost	Award Fee	CPAF	Funding	Modification Definitized	Status
AF001.00	\$31,500	\$1,264	\$32,764	\$32,764	Mod. 5	Complete
GMG001.00	92,033	3,693	\$95,726	95,726	Mod. 8	Complete
AF002.00	38,524	1,572	\$40,096	41,367	Mod. 15	Complete
AF003.00	14,907	666	\$15,573	13,736	Mod. 15	Complete
HA001.00	14,022	838	\$14,860	14,860	Mod. 15	Complete
I001.00	10,460	420	\$10,880	10,880	Mod. 15	Complete
HA002.00	149,390	7,180	\$156,570	156,570	Mod. 16	Complete
AF004.00	85,324	3,579	\$88,903	80,980	Mod. 17	Complete
GI001.00	23,810	1,091	\$24,901	24,901	Mod. 20	Complete
GM001.00	81,457	3,493	\$84,950	84,950	Mod. 20	Complete
HB001.00	93,058	4,857	\$97,915	97,915	Mod. 20	Complete
GM002.00	61,189	2,943	\$64,132	64,132	Mod. 22	Complete
AF001.01	168,720	6,529	\$175,249	173,533	Mod. 28	Complete
AF005.00	56,583	2,435	\$59,018	51,105	Mod. 28	Cancelled
AF007.00	211,467	11,172	\$222,639	222,639	Mod. 28	Complete
DA001.00	37,835	1,523	\$39,358	39,358	Mod. 28	Complete
GMG001.01	407,960	16,022	\$423,982	423,982	Mod. 28	Complete
HB002.00	126,808	5,241	\$132,049	132,049	Mod. 28	Complete
HA003	344,907	17,616	\$362,523	362,523	Mod. 34	Complete
HA004	71,234	3,098	\$74,332	75,000	Mod. 36	Complete
GM003	303,302	12,518	\$315,820	300,000	N/A	Complete
HB002.01	21,853	1,046	\$22,899	22,899	N/A	Complete
AF010	1,295	78	\$1,373	1,373	Mod. 39	Cancelled
AF011	2,643	159	\$2,802	2,802	Mod. 39	Cancelled
AF012	199,302	8,757	\$208,059	180,000	Mod. 41	Complete
HB002.02	13,560	590	\$14,150	14,150	N/A	Complete
AF006	61,669	3,071	\$64,740	62,746	Mod. 26	Cancelled
AF009	187,847	8,049	\$195,896	182,681	Mod. 26	Complete
GMG001.02	744,314	31,467	\$775,781	762,018	Mod. 26	Complete
GMG002	28,507	1413	\$29,920	30,450	Mod. 26	Cancelled
HB002.03	11,412	312	\$11,724	58,902	N/A	Complete
GM003.01	TBD			200,000	N/A	Pending
HA003.01	167,018	8,973	\$175,991	174,559	N/A	Complete
HB002.04	27,052	1,125	28,177	28,177	N/A	Complete
HB003	16,463	672	17,135	19,001	N/A	Complete
GM004	33,105	1,843	\$34,948	35,000	N/A	Complete
GM005	23,603	1,386	\$24,989	25,000	N/A	Complete
GM005.01	104,612	5,277	109,889	110,000	N/A	Active
Total	\$4,068,745	\$181,968	\$4,250,713	\$4,408,728		

Exhibit G
Assignment of Job Description Documents:

JDD #	Description	Effective Date
SOW 8.0: Applications Development and Enhancement		
AF001	OSEMA Management Information System	2-06-96
AF001.01	OSEMA Management Information System	6-19-96
GMG001	IOG COTS Database	2-29-96
GMG001.01	IOG COTS Database	6-19-96
GMG001.02	IOG COTS Database	12-1-96
AF002	OSEMA Technology Assessment	3-14-96
AF003	OSEMA Budge Module Update	3-14-96
HA001	Integrated Financial Management Program	3-14-96
I001	HSR Management Information System PCD Mods	3-14-96
HA002	Credit Card Reconciliation System	4-02-96
AF004	NASA Automated Audit Mgmt. Sys. Enh. (OSEMA)	4-10-96
GI001	Facility Maintenance Augmentation Database	5-03-96
GM001	MIS System Plan for LaRC	5-03-96
HB001	EPRS Mods to Support FAB	5-03-96
DA001	Workforce Management System for Aero Division	6-17-96
AF005	Development of MIS Applications	6-19-96
AF007	OSEMA Computer Infrastructure Support	6-19-96
HB002	Management Information System for Lead Center Budgeting	6-28-96
HB002.01	Management Information System for Lead Center Budgeting	6-16-97
HB002.02	Management Information System for Lead Center Budgeting	8-13-97
HB002.03	Management Information System for Lead Center Budgeting	12-8-97
HB002.04	Management Information System for Lead Center Budgeting	6-8-98
GM002	Combined Federal Campaign Application	7-03-96
GMG002	LaRC's Data Warehousing and Implementation	12-01-96
AF006	SYBASE Conversion of OSEMA MIS Budget Module	12-01-96
AF009	Badge and Pass System	12-01-96
HA003	Bank Card Reconciliation System	1-29-97
HA003.01	Bank Card Reconciliation System	4-3-98
AF010	Facility Database	2-11-97
AF011	Badge and Pass System Application Expansion	2-11-97
AF012	Development of a Personnel Database Module	2-28-97
HA004	Current State Processing Analysis System	3-14-97
GM003	Center Information Management Architecture	5-29-97
GM003.01	Center Information Management Architecture	7-13-98
HB003	RTA/COP System Modifications	6-8-98

9.0, Special Studies		
GM004	Automated Management of ISB Servers—Phase 1	10-1-99
GM005	Spectrum System Design Architecture Study and Prototype	10-1-99
GM005.01	Spectrum System Design Architecture Development and Implementation of (1) Langley Loan System (LLS) and (2) Langley Grant Property System (LGPS)	5-5-00

**Job Description Document
for
BAMIS Contract (NAS1-20650)**

JDD# GM005.01

Title: Spectrum System Design Architecture Development and Implementation of (1) Langley Loan System (LLS) and (2) Langley Grant Property System (LGPS)

LaRC Point of Contact: Jeanette George, Information Systems Branch, MS 158,
Phone 4-3258

Scope: This JDD provides for the development and implementation of:

- (1) a distributed architecture system to track incoming loans, outgoing loans, and loans provided under the Space Act Agreements.
- (2) a separate system using the same type architecture to track Grant Property.

The contractor will provide technical support, consulting, training, and the coordination of the development and implementation of this effort. Final acceptance testing will be conducted by the LPOC and OLM.

System Summary: The current systems are ten-year old databases, developed with a PC database, that need to be updated to satisfy current needs and provide an environment for future development. They are primarily standalone systems which one or two individuals utilize. The systems cannot be expanded to meet the needs of OLM.

General Requirements: Transform prototype Langley Loan System and the Langley Grant Property System into production versions using the prototype developed as a result of the Spectrum System Design Architecture Study methodology completed under JDD GM005 (Document Id: LLS-SDD dated 03/02/00)

Required Functionality:

Included in the Software Design Description (SDD) of the Langley Loan System dated 03/03/00. Also reference JDD# GM005.

In addition:

- Prepare the Software Design Description (SDD) for the Langley Grant Property System using same prototype as the Langley Loan System. Must be reviewed by the Government for approval.

- Present a schedule of tasks for the development of these two systems. This schedule shall include at least but not limited to tasks, dates, schedules, milestones.

- Conduct necessary training that includes an overview presentation, the functionality of the two systems, sufficient time for questions and answers, and the capability for the customer to easily operate the systems with day-to-day live data.

- Conduct acceptance testing in cooperation with LPOC and OLM. Both systems must conform to the SDD. The Contractor shall be available to correct any problems identified during testing.

- Provide monthly status updates. These status updates shall include but not be limited to any problems encountered and the impacts of those problems; decisions made by the contractor not in the JDD or SDD; changes in any computer screens as they are being developed; demonstration of conformance of the systems to functional requirements; changes in schedule, including reason why; and effort expended during the past week.

- Provide a copy of the testing checklist.

Metric:

- Delivery of the SDD that identifies OLM needs, provides the proposed schedule, allows efficient time for customer testing, and provides for the identification of costs for the software, DBMS, hardware, development, and training.

- Delivery of the User Guide Document and On-line help, which explains the purpose of the user guide and provides step-by-step easy-to-understand instructions using text and screen graphics.

- Delivery of training that meets requirements specified above.

- Performance of the system during acceptance testing and the demonstrated conformance of the system to the approved SDD. The timeliness of the Contractor's response to problem inquires and the resolution to problems shall also be evaluated.

- Completion of all work within the accepted schedule and cost.

Milestones:

Both systems installed and
available for production use

May 31, 2000