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# NSF Contract No. OPP-0000373 Modification No. One (01)

The purpose of this modification to NSF Contract No. OPP-0600373 is to provide additional funds, identify the Contractor's business segment responsible for the performance of work, update property inventories and assign custody for Government Furnished Equipment to the Contractor, revise property reporting and continuity of service requirements, and establish an industrial security requirement. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriations data:

01020200-5140-02XX-2542 01020200-1296-05XX-2542 01020200-1283-05XX-2542 Increase: \$23,000,000 Increase: \$ 6,000,000 Increase: \$ 1,000,000

2. Block 7 of the Contract Cover Page (SF 26) is revised to read as follows:

Raytheon Technical Services Company, Polar Services 61 Inverness Drive East, Suite 300 Englewood, Colorado 80112-5121

3. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 01	Subtotals \$39,077,040	
Est. Cost	\$9,794,040	\$0	\$29,283,000		
Billable Fee					
Award & Base Fees					
Total Allotted			A contract of the second		

Funds in the amount of \$6,000,000 are provided for the South Pole Station Modernization project. These funds may be reprogrammed in accordance with Section F5.6 of this contract among the projects identified in WBS 4.2 of the FY 2000 Program Plan. However, funds allocated to the South Pole Modernization project shall not be reprogrammed to support other contract activities. Total funding allotted to the South Pole Modernization project in FY 2000 is \$6,000,000.

Funds in the amount of \$1,000,000 are provided for the South Pole Safety and Environment project. These funds may be reprogrammed in accordance with Section F5.6 of this contract among the projects identified in WBS 4.1 of the FY 2000 Program Plan. However, funds allocated to the South Pole Safety and Environment project shall not be reprogrammed to support other contract activities. Total funding allotted to the South Pole Safety and Environment project in FY 2000 is \$1,000,000.

It is estimated that these funds are sufficient for the performance of work through June 30, 2000.

- 4. Section F3.2.1 is revised to read as follows:
  - F3.2.1 Real Property (see Attachment 4 and Attachment 4a)
- 5. Section F11, Property Reporting, is revised to read as follows:
  - F11 PROPERTY REPORTING
  - a. Definitions As used in this Subsection F11 only:
    - 1. Accountable property means any item of property acquired by capital lease, or with an acquisition cost of \$5,000 or greater with a useful life of two years or more.
    - 2. Acquisition cost means the sum of costs for design, labor, materials, transportation, and related indirect or overhead expenses (including the capitalized cost of any expansions, extensions, conversions, additions, alterations and improvements to property) as calculated in accordance with Federal Accounting Standards Advisory Board Statement of Federal Financial Accounting Standards No. 6, titled "Accounting for Property, Plant, and Equipment."
    - 3. Acquisition date means the Federal Government Fiscal Year that an item of property was accepted for use by the original contracting activity (either government or commercial).
    - 4. Assignable lease means leases of property that are not otherwise considered capital leases that reserve the rights of NSF, the contractor, or subcontractor at any tier to unilaterally assign the lease to NSF or another organization selected by NSF.
    - 5. Capital lease means leases of property with minimum lease payments of \$5,000 or greater, the leased property has a useful life of two years or greater, the minimum lease payment is being reimbursed to the contractor as a direct cost, and the lease substantially transfers all the benefits and risks of ownership to NSF. Leases that meet one or more of the following criteria shall be considered to substantially transfer all the benefits and risks of ownership to NSF.

- (a) The lease transfers ownership of the property to the contractor at the end of the lease term.
- (b) The lease contains an option for the contractor to purchase or otherwise acquire the property at a bargain price.
- 6. Capitalized property means any item of property acquired by capital lease with a minimum lease payment of \$25,000 or greater or with an acquisition cost of \$25,000 or greater, and a useful life of two years or more.
- 7. Construction-in-Progress means real property that is being constructed, but has not been accepted by NSF or is not otherwise ready for use.
- 8. **Deferred maintenance** means maintenance that was not performed when it should have been or was scheduled to be and which, therefore, is put off or delayed for a future period.
- 9. Minimum lease payment means the sum of all payments required for the right to use property for a stated period. This includes but is not limited to:
  - (a) The minimum rent required during the lease term.
  - (b) Any payment(s) or guarantee(s) required at the end of the lease term, including: (i) any amount stated to purchase the leased property; (ii) any amount stated to make up any deficiency from a specified minimum; and (iii) any amount payable for failure to renew or extend the lease at the expiration of the lease term.
- 10. **Equipment** means all plant equipment, special test equipment, and special tooling as defined at FAR Subpart 45.101(a); and all agency-peculiar property as defined at FAR Subpart 45.301.
- 11. Government property has the same meaning as defined at FAR Subpart 45.101(a).
- 12. Half-year convention means a method of calculation that recognizes a half-year of depreciation for the year a property item is available for use as determined by its acquisition date, and the year following the end of its useful life.
- 13. In-service date means the month and year that NSF received title to an item of property.
- 14. Maintenance means the act of keeping property in acceptable condition. It includes normal repairs, replacement of parts and structural components needed to preserve the property so that it continues to provide acceptable services and achieves its expected life. Maintenance excludes activities aimed at expanding the capability

of property or otherwise upgrading it to serve needs different from, or significantly greater than, those originally intended.

- 15. Material has the same meaning as defined at FAR Subpart 45.301.
- 16. Property has the same meaning as defined at FAR Subpart 45.101(a).
- 17. Real property has the same meaning as defined at FAR Subpart 45.101(a).

## b. Equipment

- I. Prior to July 15 and October 15 each year, the Contractor shall submit to the Foundation the following reports for all equipment identified as Government property in the custody of the Contractor (including equipment assigned to subcontractors and grantees), and classified as either accountable property or capitalized property. The Contractor shall also report on property classified as acquired through an assignable lease.
  - (a) A complete inventory of equipment as of June 30 and September 30 respectively.
  - (b) A complete inventory of equipment for which the contractor assumed custody during the period from October 1 of the previous year through June 30 and September 30, respectively, of the current year.
  - (c) A complete inventory of equipment for which the contractor was relieved of custody during the period from October 1 of the previous year through June 30 and September 30, respectively, of the current year.
- 2. These reports shall, at a minimum, include the following data:
  - (a) NSF Property Tag Number
  - (b) Equipment Description
  - (c) Make and/or Model
  - (d) Manufacturer
  - (e) Manufacturer's Serial Number
  - (f) Purchase Order/Subcontract No., Government Transfer Order No. or added by physical inventory
  - (g) Indicate if added by physical inventory or through Government Transfer Order

- (h) Acquisition Date
- (i) In-Service Date
- (j) Acquisition Cost or Minimum Lease Payment
- (k) Lease Term (if applicable)
- (1) Periodic Lease Payment (if applicable)
- (m) Lease Payment Period (if applicable)
- (n) Location (Geographic, or Vessel, Aircraft or Spacecraft Location)
- (o) Indicate if on Loan
- (p) Federal Supply Classification (FSC)
- (q) Annual Depreciation Expense (excluding assignable leases)
- (r) Accumulated Depreciation (excluding assignable leases)
- (s) Net Book Value (excluding assignable leases)
- 3. Equipment that is considered sensitive or hazardous and valued at less than \$5,000 may be included in this inventory as a means of control.
- 4. The straight-line method of depreciation shall be used to calculate depreciation expenses. Useful life shall be established in accordance with Internal Revenue Service Depreciation Guidelines. A half-year convention for recognizing depreciation shall be employed. Changes in useful life or salvage value shall be treated prospectively, and accounted for in future periods. No changes shall be made to previously recorded depreciation.
- 5. These reports shall be segregated into four parts.
  - (a) Equipment identified as accountable property.
  - (b) Equipment identified as capitalized property except property acquired by capital or assignable lease.
  - (b) Equipment acquired by capital lease.
  - (c) Equipment acquired by assignable lease.

## c. Real Property

1. Prior to July 15 and October 15 each year, the Contractor shall submit to the Foundation the following reports for all real property identified as Government property in the custody of the Contractor (including real property assigned to subcontractors and grantees), and classified as either accountable property or capitalized property. The Contractor shall also report on property classified as acquired through an assignable lease.

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- (a) A complete inventory of real property as of June 30 and September 30 respectively.
- (b) A complete inventory of real property for which the contractor assumed custody during the period from October 1 of the previous year through June 30 and September 30, respectively, of the current year.
- (c) A complete inventory of real property for which the contractor was relieved of custody during the period from October 1 of the previous year through June 30 and September 30, respectively, of the current year.
- 2. These reports shall, at a minimum, include the following data:
  - (a) NSF Property Number
  - (b) Item Description
  - (c) Quantity
  - (d) Purchase Order/Subcontract No. or Government Transfer Order No.
  - (e) Indicate if acquired through Government Transfer Order
  - (f) Acquisition Date
  - (g) In-Service Date
  - (h) Gross Square Footage or Acreage
  - (i) Acquisition Cost or Minimum Lease Payment
  - (j) Lease Term (if applicable)
  - (k) Periodic Lease Payment (if applicable)
  - (1) Lease Payment Period (if applicable)

- (m) Function
- (n) Location
- (o) Annual Depreciation Expense (capitalized property excluding land and assignable leases only)
- (p) Accumulated Depreciation (capitalized property excluding land and assignable leases only)
- (q) Net Book Value (capitalized property excluding land and assignable leases only)
- 3. The straight-line method of depreciation shall be used to calculate depreciation expenses. Useful life shall be established in accordance with Internal Revenue Service Depreciation Guidelines. A half-year convention for recognizing depreciation shall be employed. Changes in useful life or salvage value shall be treated prospectively, and accounted for in future periods. No changes shall be made to previously recorded depreciation.
- 4. These reports shall be segregated into four parts.
  - (a) Real property identified as accountable property.
  - (b) Real property identified as capitalized property except property acquired by capital or assignable lease.
  - (c) Real property acquired by capital lease.
  - (d) Equipment acquired by assignable lease.
- d. Construction-in-Progress
  - 1. Prior to July 15 and October 15 the Contractor shall submit to the Foundation a report of all Construction-in-Process as of June 30 and September 30 respectively.
  - 2. This report shall, at a minimum, include the following data:
    - (a) Identifying Project Number
    - (b) Project Description
    - (c) Project Location
    - (d) Acquisition Cost to Date (material cost to be calculated at the time materials are acquired and/or identified for use in the project)

# e. Deferred Maintenance

- 1. Prior to July 15 and October 15 the Contractor shall submit to the Foundation a report of all deferred maintenance for all property classified as either accountable property or capitalized property as of June 30 and September 30 respectively.
- 2. Property, whether classified as accountable property or capitalized property, shall be segregated and reported in the following categories:
  - (a) Land
  - (b) Buildings
  - (c) Other structures and facilities
  - (d) Aircraft
  - (e) Equipment
- 3. Deferred maintenance shall be measured employing either the condition assessment survey method or the total life-cycle cost method as described in Federal Accounting Standards Advisory Board Statement of Federal Financial Accounting Standards No. 6, titled "Accounting for Property, Plant, and Equipment." The reporting method shall be at the contractor's discretion. The contractor shall notify NSF of any changes in reporting method.
- 4. These reports shall, at a minimum, identify the following data:
  - (a) The method of measuring deferred maintenance for each category of property identified in paragraph e.2 of this clause.
  - (b) If the condition assessment survey method is selected, the following additional information shall be reported:
    - (1) A narrative describing the requirements or standards for acceptable operating condition.
    - (2) A narrative describing any changes in the aforementioned requirement or standards implemented during the reporting period.
    - (3) A rating describing the overall condition of the property employing the following scale: I Excellent; 2 Good; 3 Fair; 4 Poor; and 5 Very Poor. A rating of 3 Fair is considered as the minimum acceptable condition.

# NSF Contract No. OPP-0000373 Modification No. One (01)

- (4) An estimate of the dollar amount of maintenance deferred.
- (c) If the total life-cycle cost method is selected, the following additional information shall be reported:
  - (1) A narrative describing the original date of the maintenance forecast and an explanation for any changes to the forecast.

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- (2) The prior year balance of the cumulative deferred maintenance amount.
- (3) The dollar amount of maintenance that was required for the reporting period.
- (4) The dollar amount of maintenance that was actually performed during the reporting period.
- (5) The dollar amount of any adjustment to the scheduled amounts of maintenance deemed necessary.
- (6) The ending cumulative balance of deferred maintenance for the reporting period.

## f. NSF Form 1408

- 1. NSF Form 1408, titled "NSF Property in the Custody of Awardees," shall be completed and submitted to the Foundation prior to October 15 each year (notwithstanding the form's instructions). This report shall be complete as of September 30 of the current year.
- 2. An inventory of equipment classified as capitalized property shall be submitted with the completed NSF Form 1408 to support the dollar amount cited in column "f".

# g. GSA Form 1166

- 1. GSA Form 1166, titled "Quarterly Report of Real Property Owned by or Leased to the United States," shall be completed and submitted to the Foundation prior to October 15 each year. This report shall be complete as of September 30 of the current year.
- 2. Notwithstanding the form's title, annual submission is required.
- h. Standard Form 82 Standard Form 82, titled "Agency Report of Motor Vehicle Data," shall be completed and submitted to the Foundation prior to October 15 each year. This report shall be complete as of September 30 of the current year.

# NSF Contract No. OPP-0000373 Modification No. One (01)

i. Submission – All reports and inventories identified in this subsection shall be submitted as follows:

#### 1. One set to:

National Science Foundation Division of Administrative Services 4201 Wilson Boulevard, Room 295 Arlington, VA 22230 ATTN: Property Administrator

#### 2. One set to:

National Science Foundation Division of Financial Management Accounting Operations Branch 4201 Wilson Boulevard, Room 575 Arlington, VA 22230 ATTN: Branch Chief

6. Section H6, Transition, is revised to read as follows:

### H6. Transition

It is understood and acknowledged by the Contractor that its obligations under paragraphs (b) and (c) of the clause titled "Continuity of Services" of this contract shall begin six months prior to the expiration date of this contract.

7. Section II, FAR Clauses Incorporated by Reference, is revised to include the following clauses, incorporated by reference.

52.204-2 Security Requirements AUG 1996
52.237-3 Continuity of Services JAN 1991

8. In Section J1, Listing of Attachments, delete Item No. Four, Item No. Five and Item No. Six in their entirety, and substitute the following:

4.	Real Property Listing (Buildings)	7 Jun 00	4	§F3.2.1
4a.	Real Property Listing (Structures and Facilities)	30 Sep 99	2	§F3.2.1

E 010

5.	Personal Property Valued at \$25,000 or Greater Listing	30 Sep 99	9	§F3.2.2
6.	Property Valued Between \$5,000 and \$25,000 Listing	None	25	§F3.2.3

- 9. Delete Attachment 4 in its entirety, and substitute the documents identified as Attachment 4 and Attachment 4a as attached to this modification.
- 10. Delete Attachment 5 in its entirety, and substitute the enclosed document identified as Attachment 5 as attached to this modification.
- 11. Delete Attachment 6 in its entirety, and substitute the enclosed document identified as Attachment 6 as attached to this modification.

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				:			
Raytheon	Technical Services Company, Pola	ar Services					<u> </u>
	ess Drive East, Suite 300			9B. DATED (S	EE ITEM 11)		
Englewood	i, Colorado 80112-5121			TOA MODIFIC	ATION OF CONTRACT	/ ODDED A	10
			x	TOA. MODIFIC	ATION OF CONTRACT	/ ORDER I	10.
					OPP-00	00373	
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X B. Offic	A (Specify type of mounication and authority)	FAR Clause	52.2	32-22			
		<del></del>	<del></del>	<del></del>	- <b>A</b>		
E. IMPORTANT	: Contractor is not, is requi	red to sign this documer zed by UCF section headings				where feasib	le.)
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Except as provide	ed herein, all terms and conditions of the docu	ment referenced in Item 9.	A and 10	A. as heretofore	changed, remains un	changed an	d in full force and
e <sup>4</sup>							
VE AND	TITLE OF SIGNER (Type of print)			itricia S. V	E OF CONTRACTING O	FFICER (Ty	pe or print)
Name of the second			<u> </u>	·			
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<u> </u>		· 1	IUU	MIXXXII VU	wwms		19/1/00

(Signature of person authorized to sign)
NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

(Signature of Contracting Officer)

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriations data:

01020200-5140-02XX-2542 01020200-5146-02XX-2542 Increase: \$23,689,000 Increase: \$4,628,132

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 02	Subtotals		
Est. Cost	\$39,077,040	\$0	\$27,640,353	\$66,717,393		
Billable Fee						
A						
Award & Base Fees				•		
Total Allotted			·			

It is estimated that these these funds are sufficient for the performance of work through September 30, 2000.

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NATIONAL SCIENCE		\A1 11	}			
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ARLINGTON, VA 222		.7 J				
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		,				
Raytheon Technical Service		r Services				·
61 Inverness Drive East, S				9B. DATED (SEE ITEM 11)		
Englewood, Colorado 801	112-5121		-	10A. MODIFICATION OF CONTRACT	7 ORDER N	<u>O</u> .
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A. THIS CHANGE ORDER IS I	IT MODIFIES T	HE CONTRACT/ORDER	ICATIO NO. AS	NS OF CONTRACT/ORDERS, DESCRIBED IN ITEM 14. ET FORTH IN ITEM 14 ARE MADE IN	THE CONTRA	ICT ORDER NO. IN
B. THE ABOVE NUMBERED C	14, PURSUANT TO THE	AUTHORITY OF FAR 43.10	3(b).	STRATIVE CHANGES (such as change: DF:	s in paying off	ice, appropriation da
D. OTHER (Specify type of mod	dification and authority)	EAR Clause	E2	120.00		
X		FAR Clause	; o∠.	252.22		<del></del>
. IMPORTANT: Contractor				returncopies to issuing office.		
14. DESCRIPTION OF AMENDMENT	MODIFICATION (Organi.	zed by UCF section headings	s, includ	ing solicitation / contract subject matter	where feasib	le.)
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Except as provided herein, all terms a	and conditions of the doc	ument referenced in Item 9	A and	OA, as heretofore changed, remains u	nchanged an	d in full force and
TA. NAME AND TITLE OF SIGNER (7	ype of print)		1	NAME AND TITLE OF CONTRACTING VILLIAM A. Bryant; Contra		
LUB. CONTRACTOR / OFFEROR		15C. DATE SIGNED	16B	UNITED STATES OF AMERICA	· · · · · · · · · · · · · · · · · · ·	16C. DATE SIGN
			M	In A Bruin	8	9/25/
(Signature of person author	prized to sign)		14	(Signature of Contracting Officer)	)	1/10/1

NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriations data:

01020200-1296-05XX-2542	Increase: \$4,204,190
01020300-5111-02XX-2542	Increase: \$ 42,212
01020300-5112-02XX-2542	Increase: \$ 15,328
01020300-5116-02XX-2542	Increase: \$ 2,000
01020300-5130-02XX-2542	Increase: \$ 20,005
01020200-5140-02XX-2542	Increase: \$1,958,625

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 03	Subtotals	
Est. Cost	\$66,717,393	\$0	\$6,096,650	\$72,814,043	
Billable Fee					
Award & Base	<u> </u>	<u> </u>			
Fees					
Total Allotted	1	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	<del></del>	

It is estimated that these these funds are sufficient for the performance of work through September 30, 2000.

Funds in the amount of \$4,204,190 are provided for the South Pole Station Modernization project. These funds may be reprogrammed in accordance with Section F5.6 of this contract among the projects identified in WBS 4.2 of the FY 2000 Program Plan. However, funds allocated to the South Pole Modernization project shall not be reprogrammed to support other contract activities. Total funding allotted to the South Pole Modernization project in FY 2000 is \$10,204,190.

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AMENDMENT OF SOLICITATION	MODIFICATION OF C	ONTRACT 1. CONTRACT ID CODE PAGE OF P.
2. AMENDMENT / MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION / PURCHASE REQ NO. 5. PROJECT NO. (11 applicate
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CPO - CONTRACTS BRANCH, SECT	'	
4201 WILSON BOULEVARD, ROOM		
ARLINGTON, VA 22230	1473	
8. NAME AND ADDRESS OF CONTRACTOR		(/)   9A. AMENDMENT OF SOLICITATION NO.
Raytheon Technical Services Company, P	Polar Services	
61 Inverness Drive East, Suite 300		9B. DATED (SEE ITEM 11)
Englewood, Colorado 80112-5121		10A. MODIFICATION OF CONTRACT / ORDER NO.
		X X
	÷ .	OPP-0000373
CODE FACILITY CODE	<del></del>	10B. DATED (SEE ITEM 13)
	<u></u>	November 1, 1999
11. THIS	ITEM ONLY APPLIES TO AM	ENDMENTS OF SOLICITATIONS
	see atta MAPPLIES ONLY TO MODIF	ched ICATIONS OF CONTRACT/ORDERS. NO. AS DESCRIBED IN ITEM 14.
10A.		INGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN  ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date
etc.) SET FORTH IN ITEM 14, PURSUANT TO 1		
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERE		ORITY OF:
D. OTHER (Specify type of modification and authority		e 52.232·22
X   STANT: Contractor   STANT: Is not.   STANT:		
	equired to sign this docume ganized by UCF section heading	nt and returncopies to issuing office. s, including solicitation / contract subject matter where feasible.)
see attached		
	·.	
	•	
Except as provided herein, all terms and conditions of the effect.	document referenced in Item 9	9A and 10A, as heretofore changed, remains unchanged and in full force and
NAME AND TITLE OF SIGNER (Type of print)		Patricia S. Williams; Contracting Officer  Officer
15B. CONTRACTOR / OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA 16C. DATE SIGNE
		Education 11/27/00
(Signature of person authorized to sign)		(Signature of Contracting Officer)

NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE 30-105

STANDARD FORM 30 (REV. 10-83)

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, this contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriations data:

01020200-5146-02XX-2542 01020200-5140-02XX-2542 Increase: \$10,000,000 Increase: \$35,000,000

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Brieting:	Adjustment	Mod 04	Subtotals
Est. Cost	\$72,814,043	\$0	<b>\$43,971,076</b>	\$116,785,119
Billable Fee				
Award & Base Fees				
Total Allotted				

It is estimated that these funds are sufficient for the performance of work through January 31, 2001.

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NATIONAL SO	CIENCE FOUNDATION RACTS BRANCH, SECTION N BOULEVARD, ROOM 4	N II				CODE	
8. NAME AND ADDRESS			(V)	9A. AMENDM	NT OF SOLICITATION	NO.	<del></del>
61 Inverness Dr	nical Services Company, Pola ive East, Suite 300 orado 80112-5121	ar Services	X	9B. DATED (S	ATION OF CONTRACT	7 ORDER N	<del>0</del> .
CODE	FACILITY CODE	<del> </del>	1	10B. DATED (			
				 	Novembe	r 1, 1999	)
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extended. Offers mus methods: (a) By com of the offer submitte ACKNOWLEDGMENT TO REJECTION OF YOUR Of each telegram or letter	red solicitation is amended as set for acknowledge receipt of this documpleting Items 8 and 15, and returned; or (c) By separate letter or ted to BE RECEIVED AT THE PLACE DESUFFER. If by virtue of this amendment makes reference to the solicitation and	ment prior to the hour a ing copies of the a elegram which includes a IGNATED FOR THE RECEI you desire to change an of	nd date amendi referer PT OF fer alrea	e specified in to ment; <b>(b)</b> By accept to the soli OFFERS PRIOR ady submitted, se	he solicitation or as knowledging receipt citation and amendn TO THE HOUR AND such change may be r	amended, it of this amenent number DATE SPEC	endment on each cop rs. FAILURE OF YOU DIFIED MAY RESULT II
12. ACCOUNTING AND	APPROPRIATION DATA (If required)	see attac	hed				
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E. IMPORTANT: Cont.	ractor is not, is requi	ired to sign this documer	nt and	return conic	es to issuing office.		<del></del>
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see attached							
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Except as provided here	ein, all terms and conditions of the doc	ument referenced in Item 9	A and I	OA, as heretofo	re changed, remains u	nchanged ar	id in full force and
effect.  15A. NAME AND TITLE	OF SIGNER (Type of print)		16A.	NAME AND TITI	E OF CONTRACTING	OFFICER (TV	pe or print)
					Williams; Con		
9. CONTRACTOR / C	FFEROR	15C. DATE SIGNED	16B.	WNITED STAT	ES OF AMERICA		16C. DATE SIGNED
			X	tunanle	lan		
(Signature	of person authorized to sign)	1		(Signatur	of Contracting Officer	<del></del>	

NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE

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STANDARD FORM 30 (REV 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, this contract is hereby modified as follows:

1. In Block 12 of the form (SF 30), add the following accounting and appropriations data:

01020000-X787-0101-2542		Increase:	\$ 480,868
01020000-1922-0198-2542		 Increase:	\$ 850,640
01020200-1283-05XX-2542	A	Increase:	\$ 300,000
01020200-1296-05XX-2542		Increase:	\$ 8,000,000
01020200-5140-02XX-2542		Increase:	\$45,000,000

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Est. Cost	\$116,785,119	\$0	\$53,353,131	\$170,138,250
Billable Fee				
Award & Base Fees	<del></del>		<b>'</b> 	'
Total Allotted				

It is estimated that these funds are sufficient for the performance of work through June 30, 2001.

Funds in the amount of \$480,868 are provided for the McMurdo Joint Special Operations Center (JSOC) project. These funds may be reprogrammed in accordance with Section F5.6 of this contract among WBS KL00B5481 and WBS KL00B7762 of the FY 2001 Program Plan. However, funds allocated to the JSOC project shall not be reprogrammed to support other contract activities. Total funding allotted to the JSOC project in FY 2001 is \$480,868.

Funds in the amount of \$850,640 are provided from the NSF IT Information Technology Infrastructure Investment Fund for the Dry Valleys Communication Project and the Palmer Station Commercial SATCOM Project. These funds may be reprogrammed in accordance with Section F5.6 of this contract among WBS KL00B7717 and KL00B7735 of the FY 2001 Program Plan. However, funds allocated to these projects shall not be reprogrammed to support other contract activities. Total funding allotted from the NSF IT Information Infrastructure Investment Fund in FY 2001 is \$850,640.

Funds in the amount of \$300,000 are provided for the South Pole Safety and Environment project. These funds may be reprogrammed in accordance with Section F5.6 of this contract among the projects identified in WBS 4.1 of the FY 2001 Program Plan. However, funds allocated to the South Pole Modernization project shall not be reprogrammed to support other contract activities. Total funding allotted to the South Pole Safety and Environment project in FY 2001 is \$300,000. Total funding allotted to the South Pole Safety and Environment project is \$1,300,000.

Funds in the amount of \$8,000,000 are provided for the South Pole Station Modernization project. These funds may be reprogrammed in accordance with Section F5.6 of this contract among the

projects identified in WBS 4.2 of the FY 2001 Program Plan. However, funds allocated to the South Pole Modernization project **shall not** be reprogrammed to support other contract activities. Total funding allotted to the South Pole Station Modernization project in FY 2001 is \$8,000,000. Total funding allotted to the South Pole Station Modernization project is \$18,204,190.

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	O CONTRACTS BRANCH, SECTION		}				
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	Inverness Drive East, Suite 300		1	9B. DATED (	SEE ITEM 11)		<del></del>
	glewood, Colorado 80112 5121						
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			X	-	OPP.0	000373	
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	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED I	NTO PURSUANT TO AUTHO	ORITY C	)F:		i iu	
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. 184	PORTANT: Contractor is not, is requ	ired to sign this documer	nt and r	eturn cooi	es to issuing office	-	
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ee	attached			•			
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	t as provided herein, all terms and conditions of the doc	: :ument referenced in Item 9	A and 1	OA, as heretofo	re changed, remains u	nchanged ar	nd in full force and
ffect.	NAME AND TITLE OF SIGNER (Type of print)	<del></del>	16A.	NAME AND TIT	LE OF CONTRACTING	OFFICER (TV	rpe or print)
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	OUTDA GTOD / OFFEDOR	LIEC DATE CICAGO	L				
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(Signature of person authorized to sign)
NSN 7540-01-152-8070
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(Signature of Contracting Officer)

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA

FAR (48 CFR) 53.243

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-5140-02XX-2542 01020200-5146-02XX-2542 01020100-5205-02XX-2542 Increase: \$15,800,000 Increase: \$ 5,000,000 Increase: \$ 150,000

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Blement	Bxisting ***	Adjustments 3	SHEW MORROWS	Subtotale
Est. Cost	\$170,138,250	\$0	\$20,449,295	\$190,587,545
Billable Fee			<u> </u>	
Award & Base Fees			•	
Total Allotted				

It is estimated that these funds are sufficient for the performance of work through August 31, 2001.

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AMENDMENT OF SOLICITATION/MOD	DIFICATION OF C	ONTRA	CT	1. CONTRACT ID C	ODE	PAGE OF F
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S. ISSUED BY		7. ADM	IINISTERED B	Y (if other than Item 6)	CODE	
NATIONAL SCIENCE FOUNDATION	<del></del>	1			0002 [	
CPO - CONTRACTS BRANCH, SECTION	N II					• .
4201 WILSON BOULEVARD, ROOM 47	75					
ARLINGTON, VA 22230						
B. NAME AND ADDRESS OF CONTRACTOR		(A)	9A. AMENDME	ENT OF SOLICITATION	NO.	
Raytheon Technical Services Company, Polar 61 Inverness Drive East, Suite 300 Englewood, Colorado 80112-5121	r Services	-	9B. DATED (S	EE ITEM 11)		
Liigiewood, colorado collecte		<b> </b>	10A. MODIFIC	ATION OF CONTRACT	ORDER N	<del>10.</del>
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		4 4			000373	
CODE FACILITY CODE			10B. DATED (	•	- 1 100	<b>n</b>
11. THIS ITEM	ONLY APPLIES TO AM	ENDMEN	TS OF SOLIC	Novembe	1, 199	3
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A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (S 10A.  B. THE ABOVE NUMBERED CONTRACT/ORDER IS MOI	DIFIED TO REFLECT THE	ICATIONS NO. AS D NGES SET	DESCRIBED II	N ITEM 14. EM 14 ARE MADE IN		
etc.) SET FORTH IN ITEM 14, PURSUANT TO THE A  C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED IN		43.46				
D. OTHER (Specify type of modification and authority)  X	FAR Clause	52.2	32-22			
						<del></del>
E. IMPORTANT: Contractor Sis not, is require  14. DESCRIPTION OF AMENDMENT / MODIFICATION (Organize)	ed to sign this documer ed by UCF section headings	s, includin	urncopie a solicitation /	es to issuing office.  contract subject matter	where feasil	ole.)
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see attached						
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except as provided herein, all terms and conditions of the docur	ment referenced in Item 9	A and 10	A, as heretofor	re changed, remains u	nchanged ar	nd in full force and
effect. 15A. NAME AND TITLE OF SIGNER (Type of print)	<u></u>			E OF CONTRACTING Williams; Conf		
ONTRACTOR / OFFEROR	15C. DATE SIGNED	16B. U	NITED STAT	ES OF AMERICA	<del></del>	16C. DATE SIGNED
		A	F 1	1 11		
(Signature of person authorized to sign)		M	WASIEDO SIEDO SIED	SUANA of Contracting Officer	<del></del>	9127101

VSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-5146-02XX-2542		Increase: \$5,509,064
01020300-5112-02XX-2542		Increase: \$ 131,645
01020300-5130-02XX-2542		Increase: \$ 88,185
01020300-5113-02XX-2542		Increase: \$ 61,685
01020200-5140-02XX-2542		Increase: \$4,945,403
01020300-5115-02XX-2542		Increase: \$ 29,362
01020000-W176-0101-2542	·.	Increase: \$ 105,487

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

The state of the s	1.11	The second secon		Sans A Comment
Est. Cost	\$190,587,545	\$0	\$10,611,018	\$201,198,563
Billable Fee			. <u>.                                   </u>	
Award & Base Fees				
Total Allotted				

It is estimated that these funds are sufficient for the performance of work through October 15, 2001.

Funds in the amount of \$105,487 are provided for the MTRS/ASR8 Relocation project (FY 2001 Program Plan, WBS KL00B5487). Funds allocated to the MTRS/ASR8 Relocation project shall not be reprogrammed to support other contract activities. Total funding allotted to the MTRS/ASR8 Relocation project in FY 2001 is \$105,487.

AMENDME	NT OF SOLICITATION/MO	DIFICATION OF CO	ONTR	ACT	1. CONTRACT ID CO		B# 0990-0115 PAGE OF PAGE
. AMENDMENT / MOD	IFICATION NO.	3. EFFECTIVE DATE	4. RE	QUISITION / P	URCHASE REQ NO.	5. PROJE	CT NO. (if applicable)
	Eight (08)	per Block 16c	•	OPP-01	140428		
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	CIENCE FOUNDATION	ANT TE					
	RACTS BRANCH, SECTIO		1				
	N BOULEVARD, ROOM 4	/5					
ARLINGTON,	VA 22230	<del></del>	1				
NAME AND ADDRES	S OF CONTRACTOR		(4)	9A. AMENUM	ENT OF SOLICITATION	I NO.	
Raytheon Techi	nical Services Company, Pola	r Services					
	rive East, Suite 300			9B. DATED (S	EE ITEM 11)		
	orado 80112-5121						
				10A. MODIFIC	CATION OF CONTRACT	/ ORDER	NO.
			X		OPP 00	100272	
	L Frou ITV 000F		4	100 04750		000373	<del></del>
ODE	FACILITY CODE			10B. DATED		r 1 100	0
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C. THIS SUPPL	EMENTAL AGREEMENT IS ENTERED IN	NTO PURSUANT TO AUTHO	ORITY O	F:	<del></del>	<del></del>	
					·	· .	
D. OTHER (Spe	cily type of modification and authority)	FAR Clause	52.2	232-22		·	<u> </u>
. IMPORTANT: Cont	ractor X is not, I is requi	red to sign this documer	nt and r	eturncopic	es to issuing office.		1.
	MENDMENT / MODIFICATION (Organiz	red by UCF section headings	, includi	ng solicitation /	contract subject matter	where leasi	ble.)
ee attached							
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cept as provided here	ein, all terms and conditions of the docu	ument referenced in Item 9	A and 1	OA, as heretofoi	e changed, remains ui	nchanged a	nd in full force and
fect.	OF SIGNER (Type of print)	. <u> </u>	16A.	NAME AND TITI	E OF CONTRACTING	OFFICER (T	ype or print)
MATE WIND THEE	C. Sidiralit (Type or printy				Williams; Cont		
5B. CONTRACTOR / C	FFEROR	15C. DATE SIGNED	16B.	UNITED STAT	ES OF AMERICA	<del></del>	16C. DATE SIGNED
			La	und No	llon		9/27/07

(Signature of person authoriz SN 7540-01-152-8070 REVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA

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The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020000-W178-0101-2542 01020000-W177-0101-2542

Increase: \$ 3,011 Increase: \$38,240

2. Section B5, Contract Funding is revised to provide additional funds as follows:

Composition of the property of			West of the second	AM Subtotal Co.
Est. Cost	<b>\$2</b> 01,198,563	\$0	\$40,288	\$201,238,851
Billable Fee			***************************************	
Award & Base Fees				
Total Allotted		1		

It is estimated that these funds are sufficient for the performance of work through October 15, 2001.

Funds in the amount of \$41,251 are provided for CTBT related project activities (FY 2002 Program Plan, WBS R-PS01-221B71). Funds allocated to CTBT related project activities shall not be reprogrammed to support other contract activities. Total funding allotted to CTBT related project activities in FY 2002 is \$41,251.

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BY BY			7. A	MINISTERED BY	(if other than Item 6)	CODE	
NATIONAL	SCIENCE FOUNDATION	)E :	1			2006	
	TRACTS BRANCH, SECTI	ON II	1				
	ON BOULEVARD, ROOM						
	N, VA 22230		1				
NAME AND ADDR	ESS OF CONTRACTOR		(4)	da, amendme	ENT OF SOLICITATIO	1 NO.	
Ravtheon Tec	chnical Services Company, Po	iar Services					
61 Inverness	Drive East, Suite 300			98. DATED (S	EE ITEM 11)		
Englewood, C	Colorado 80112-5121			10A, MODIFIC	ATION OF CONTRAC	T / ORDER	NQ.
			X				
		<u> </u>	_			000373	·
DDE	FACILITY CODE	-	1	10B, DATED (		1 200	00
	11. THIS IT	EM ONLY APPLIES TO AM	IENDME	NTS OF SOLIC	November 1	r 1, 19:	9
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			Pat	ricia S. Wi	lliams; Contra	icting (	Officer
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(Signatu	ire of person authorized to sign)	1.7-2/3/	10	Signature	of Contracting Officer)	<del></del>	11/05/01
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EUX NO: : 30253053

NSF Contract No. OPP-0000373 Modification No. Nine (09)

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds, and make other mutually agreeable contract revisions concerning the headquarters facility lease. Accordingly, this contract is hereby modified as follows:

In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-5140-02XX-2542 01020200-5140-02\*\*\*-2542

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Increase: \$35,000,000 Increase: \$10,000,000

- In Section B4, Consideration (Cost-Plus-Award-Fee Services), add the following designated as Section B4.1.7, Limitation on Costs Related to Leasing of the Facility Located at 7400 South Tueson Way, Englewood, Colorado.
  - 64.1.7 Limitation on Costs Related to Leasing of the Facility Located at 7400 South Tueson Way, Englewood, Colorado
  - B4.1.7.1 Definitions As used in this subsection, the following terms shall have the meaning set forth herein.
  - B4.1.7.1.1 "Costs" has the same meaning as set forth at Section B4.1.6.1.1.
  - B4.1.7.1.2 "Damoges" has the same meaning as set forth at Section B4.1.6.1.2.
  - B4.1.7.1.3 "Proceeding" has the same meaning as set forth at Section B4.1.6.1.3.
  - B4.1.7.1.4 "Facility" means the premises as described in the office building lease between KOLL BREN FUND V L.P., a Delaware limited partnership, and RAYTHEON COMPANY, a Delaware corporation, signed August 2001.
  - B4.1.7.2 To the extent that certain costs related to leasing of the facility are otherwise allowable per FAR Subpart 31 and other classes of this contract, no costs wholsoever relate to legal and other proceedings (including matters disposed of by compromise prior to judgment) and damages (including, but not limited to payments of compensatory damages and back pay) with respect to the application or flowdown in the facility lease of FAR Clauses 52.222-26 ("Equal Opportunity"), 52.222-35 ("Affirmative Action for Special Disabled and Vietnam Era Veterans"), and 52.222-36 ("Affirmative Action for Workers with Disabilities") shall be billed to NSF or reimbursed to the Contractor under this contract where the result is an odverse finding to the Contractor or the matter is disposed of by compromise prior to judyment if the proceeding would have led to such on adverse finding.
- Section B5, Contract Funding is revised to provide additional funds as follows: 3.

		Policy Barrer 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100000
Est. Cost	\$201,238,851	\$0	\$43,949,604	\$245,188,455
Billable Pee				
Award & Base Fees			· .	
Total Allotted				

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NSF Contract No. OPP-0000373 Modification No. Nine (09)

It is estimated that these funds are sufficient for the performance of work through January 31, 2002.

- 4. In Section H, Special Contrast Requirements, add the following designated as Section H18, Lease Assignment for the Facility Located at 7400 Tueson Way, Englawood, Colorado.
  - H18. Lease Assignment for the Facility Located at 7400 Tucson Way, Englewood, Colorado.
  - H18.1 For the purposes of this subsection only, 'Yardity' has the same meaning as set forth at Section B4.1.7.1.4.
  - HI18.2 Upon expiration of this contract and Contractor failure to win a follow-on award that requires use of the facility NSF will assign the facility lease to any successor contractor, or another company or organization of its choosing, assume the lease obligation or incur the facility lease termination cost. This requirement is subject to the Contract's 'Limitation of Funds' clause.

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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT  2. ANEXQUESTIT VIOLATE ANEXCENDRAL  Ten (10)  Ber Block 16  OPP-0200865  7. ADMINISTERED BY (# after than item 6)  S. PROJECT 102. (# september 102. (* septem	TRACTOR JOFFEROR	R (Type of print) WG - OIRECTOR,	15C. DATE SIGNED	16A. N	PATRICIA S. Contracting NITED STATE	OF CONTRACTING OF WILLIAMS OF AMERICA  LIGHT OF CONTRACTING OF CON	OFFICER (Typ	2 15C. DATE SIGN
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TOTAL P.02

Increase: \$10,000,000

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds, correct an error in earlier modifications, revise property reporting requirements, and update and identify key personnel assigned to the contract. Accordingly, this contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-1296-05XX-2542

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Paragraph of the state of the s	Les El Hallet I	Administra		100 m
Est. Cost	\$245,188,455	<b>\$</b> 0	\$9,771,350	\$254,959,805
Billable Fee				
Award & Base Fees				
Total Allotted		<b>!</b>	<b>!</b>	

It is estimated that these funds are sufficient for the performance of work through January 31, 2002.

Funds in the amount of \$10,000,000 are provided for the South Pole Station Modernization project. These funds may be reprogrammed in accordance Section F5.6 of this contract among the projects identified in WBS 4.2 through WBS 4.5 of the FY 2002 Program Plan. However, funds allocated to the South Pole Station Modernization project shall not be reprogrammed to support other contract activities. Total funding allotted to the South Pole Station Modernization project in FY 2002 is \$10,000,000. Total funding allotted to the South Pole Station Modernization project is \$28,204,190.

- 3. In OPP-0000373.M01, Item No. 3; OPP-0000373.M03, Item No. 2; and OPP-0000373.M05, Item No. 2, South Pole Station Modernization project reprogramming authority is limited to WBS 4.2 of the program plans identified therein. This is incorrect. Reprogramming authority is properly limited to WBS 4.2 through WBS 4.5 of the identified program plans. Accordingly, in the second paragraph of OPP-0000373.M01, Item No. 3; in the third paragraph of OPP-0000373.M03, Item No. 5; and in the sixth paragraph of OPP-0000373.M05, Item No. 2, delete the phrase WBS 4.2 and substitute the phrase WBS 4.2 through WBS 4.5 in the second sentence. This revision is effective as of the effective dates of the respective contract modifications.
- 4. Section F11, Property Reporting, is revised to read as follows:

#### F11 PROPERTY REPORTING

- a. Definitions As used in this Subsection F11 only:
  - 1. Accountable property means any item of property acquired by capital lease, or with an acquisition cost of \$5,000 or greater with a useful life of two years or more.

- 2. Acquisition cost means the sum of costs for design, labor, materials, transportation, and related indirect or overhead expenses (including the capitalized cost of any expansions, extensions, conversions, additions, alterations and improvements to property) as calculated in accordance with Federal Accounting Standards Advisory Board Statement of Federal Financial Accounting Standards (SFFAS) No. 6, titled "Accounting for Property, Plant, and Equipment," except that software acquisition cost shall be calculated using the "National Science Foundation Software Property Asset Cost Worksheet" (see Attachment 6b). Consistent with SFFAS No. 6, expansions, extensions, conversions, additions, alterations and improvements to property shall be capitalized in accordance with the "National Science Foundation General Property, Plant and Equipment (PP&E) Policy on Depreciation of Improvements" (see Attachment 6c).
- 3. Acquisition date means the Federal Government Fiscal Year that an item of property was accepted for use by the original contracting activity (either government or commercial).
- 4. Assignable lease means leases of property that are not otherwise considered capital leases that reserve the rights of NSF, the contractor, or subcontractor at any tier to unilaterally assign the lease to NSF or another organization selected by NSF.
- 5. Capital lease means leases of property with minimum lease payments of \$5,000 or greater, the leased property has a useful life of two years or greater, the minimum lease payment is being reimbursed to the contractor as a direct cost, and the lease substantially transfers all the benefits and risks of ownership to NSF. Leases that meet one or more of the following criteria shall be considered to substantially transfer all the benefits and risks of ownership to NSF.
  - (a) The lease transfers ownership of the property to the Contractor at the end of the lease term.
  - (b) The lease contains an option for the Contractor to purchase or otherwise acquire the property at a bargain price.
- 6. Capitalized property means any item of property acquired by capital lease with a minimum lease payment of \$25,000 or greater or with an acquisition cost of \$25,000 or greater, and a useful life of two years or more.
- 7. Construction-in-Progress means real property that is being constructed, but has not been accepted by NSF or is not otherwise ready for use.
- 8. Deferred maintenance means maintenance that was not performed when it should have been or was scheduled to be and which, therefore, is put off or delayed for a future period.
- 9. Minimum lease payment means the sum of all payments required for the right to use property for a stated period. This includes but is not limited to:
  - (a) The minimum rent required during the lease term.
  - (b) Any payment(s) or guarantee(s) required at the end of the lease term, including: (i) any amount stated to purchase the leased property; (ii) any amount stated to make up any deficiency from a specified minimum; and (iii) any amount payable for failure to renew or extend the lease at the expiration of the lease term.
- 10. Equipment means all plant equipment, special test equipment, and special tooling as defined at FAR Subpart 45.101(a); and all agency-peculiar property as defined at FAR Subpart 45.301.
- 11. Government property has the same meaning as defined at FAR Subpart 45.101(a).

- 12. **Half-year convention** means a method of calculation that recognizes a half-year of depreciation for the year a property item is available for use as determined by its acquisition date, and the year following the end of its useful life.
- 13. In-service date means the month and year that NSF received title to an item of property.
- 14. Maintenance means the act of keeping property in acceptable condition. It includes normal repairs, replacement of parts and structural components needed to preserve the property so that it continues to provide acceptable services and achieves its expected life. Maintenance excludes activities aimed at expanding the capability of property or otherwise upgrading it to serve needs different from, or significantly greater than, those originally intended.
- 15. Material has the same meaning as defined at FAR Subpart 45.301.
- 16. Property has the same meaning as defined at FAR Subpart 45.101(a).
- 17. Real property has the same meaning as defined at FAR Subpart 45.101(a).
- 18. Net Gain or Loss means the difference between the net book value and the amount realized on disposal, retirement, sale, exchange or donation of any particular item of property.
- 19. Software means the application and operating system programs, procedures, rules, and any associated documentation pertaining to the operation of a computer system or program.
- 20. Commercial Off-the-Shelf Software (COTS) means software that is purchased (including licensed software) from a vendor and is ready for use with little or no change, for which the purchase price is being reimbursed to the Contractor as a direct cost.
- 21. Contractor-Developed Software means software that the cost for development, including but not limited to cost for design, programming, installation, documentation, and/or training, is being reimbursed to the Contractor as a direct cost.

#### b. Equipment

- 1. On or before July 15 and October 15 each year, the Contractor shall submit to the Foundation the following reports for all equipment identified as Government property in the custody of the Contractor (including equipment assigned to subcontractors and grantees), and classified as either accountable property or capitalized property. The Contractor shall also report on property classified as acquired through an assignable lease.
  - (a) A complete inventory of equipment as of June 30 and September 30 respectively.
  - (b) A complete inventory of equipment for which the Contractor assumed custody during the period from October 1 of the previous year through June 30 and September 30, respectively, of the current year.
  - (c) A complete inventory of equipment for which the Contractor was relieved of custody during the period from October 1 of the previous year through June 30 and September 30, respectively, of the current year.
- 2. On or before November 15 each year, the Contractor shall submit to the Foundation a complete inventory of equipment, classified as either accountable property or capitalized property, that the Contractor assumed custody of during the month of October of the current year.
- 3. These reports shall, at a minimum, include the following data:

- (a) NSF Property Tag Number
- (b) Equipment Description
- (c) Make and/or Model
- (d) Manufacturer
- (e) Manufacturer's Serial Number
- (f) Purchase Order/Subcontract No., Government Transfer Order No. or added by physical inventory
- (g) Indicate if added by physical inventory or through Government Transfer Order
- (h) Acquisition Date
- (i) In-Service Date
- (j) Acquisition Cost or Minimum Lease Payment
- (k) Lease Term (if applicable)
- (1) Periodic Lease Payment (if applicable)
- (m) Lease Payment Period (if applicable)
- (n) Location (Geographic, or Vessel, Aircraft or Spacecraft Location)
- (o) Indicate if on Loan
- (p) Federal Supply Classification (FSC)
- (q) Annual Depreciation Expense (excluding assignable leases)
- (r) Accumulated Depreciation (excluding assignable leases)
- (s) Net Book Value (excluding assignable leases)
- (t) Amount Realized on Disposal, Retirement, Sale, Exchange, or Donation (excluding assignable leases)
- (u) Net Gain or Loss (excluding assignable leases)
- 4. Equipment that is considered sensitive or hazardous and valued at less than \$5,000 may be included in this inventory as a means of control.
- 5. The straight-line method of depreciation shall be used to calculate depreciation expenses. Useful life shall be established in accordance with Internal Revenue Service Depreciation Guidelines. A half-year convention for recognizing depreciation shall be employed. Changes in useful life or salvage value shall be treated prospectively, and accounted for in future periods. No changes shall be made to previously recorded depreciation.
- 6. These reports shall be segregated into four parts.

- (a) Equipment identified as accountable property.
- (b) Equipment identified as capitalized property except property acquired by capital or assignable lease.
- (c) Equipment acquired by capital lease.
- (d) Equipment acquired by assignable lease.

# c. Real Property

- 1. On or before July 15 and October 15 each year, the Contractor shall submit to the Foundation the following reports for all real property identified as Government property in the custody of the Contractor (including real property assigned to subcontractors and grantees), and classified as either accountable property or capitalized property. The Contractor shall also report on property classified as acquired through an assignable lease.
  - (a) A complete inventory of real property as of June 30 and September 30 respectively.
  - (b) A complete inventory of real property for which the contractor assumed custody during the period from October 1 of the previous year through June 30 and September 30, respectively, of the current year.
  - (c) A complete inventory of real property for which the contractor was relieved of custody during the period from October 1 of the previous year through June 30 and September 30, respectively, of the current year.
- 2. On or before November 15 each year, the Contractor shall submit to the Foundation a complete inventory of real property, classified as either accountable property or capitalized property, that the Contractor assumed custody of during the month of October of the current year.
- 3. These reports shall, at a minimum, include the following data:
  - (a) NSF Property Number
  - (b) Item Description
  - (c) Quantity
  - (d) Purchase Order/Subcontract No. or Government Transfer Order No.
  - (e) Indicate if acquired through Government Transfer Order
  - (f) Acquisition Date
  - (g) In-Service Date
  - (h) Gross Square Footage or Acreage
  - (i) Acquisition Cost or Minimum Lease Payment
  - (j) Lease Term (if applicable)
  - (k) Periodic Lease Payment (if applicable)

- (1) Lease Payment Period (if applicable)
- (m) Function
- (n) Location
- (o) Annual Depreciation Expense (capitalized property excluding land and assignable leases only)
- (p) Accumulated Depreciation (capitalized property excluding land and assignable leases only)
- (q) Net Book Value (capitalized property excluding land and assignable leases only)
- (r) Amount Realized on Disposal, Retirement, Sale, Exchange, or Donation (capitalized property excluding land and assignable leases only)
- (s) Net Gain or Loss (capitalized property excluding land and assignable leases only)
- 4. The straight-line method of depreciation shall be used to calculate depreciation expenses. Useful life shall be established in accordance with Internal Revenue Service Depreciation Guidelines. A half-year convention for recognizing depreciation shall be employed. Changes in useful life or salvage value shall be treated prospectively, and accounted for in future periods. No changes shall be made to previously recorded depreciation.
- 5. These reports shall be segregated into four parts.
  - (a) Real property identified as accountable property.
  - (b) Real property identified as capitalized property except property acquired by capital or assignable lease.
  - (c) Real property acquired by capital lease.
  - (d) Real property acquired by assignable lease.
- d. Construction-in-Progress
  - 1. On or before July 15 and October 15 the Contractor shall submit to the Foundation a report of all Construction-in-Process as of June 30 and September 30 respectively.
  - 2. This report shall, at a minimum, include the following data:
    - (a) Identifying Project Number
    - (b) Project Description
    - (c) Project Location
    - (d) Acquisition Cost to Date (material cost to be calculated at the time materials are acquired and/or identified for use in the project)

## e. Deferred Maintenance

- 1. On or before July 15 and October 15 the Contractor shall submit to the Foundation a report of all deferred maintenance for all property classified as either accountable property or capitalized property as of June 30 and September 30 respectively.
- 2. Property, whether classified as accountable property or capitalized property, shall be segregated and reported in the following categories:
  - (a) Land
  - (b) Buildings
  - (c) Other structures and facilities
  - (d) Aircraft
  - (e) Equipment
- 3. Deferred maintenance shall be measured employing either the condition assessment survey method or the total life-cycle cost method as described in Federal Accounting Standards Advisory Board Statement of Federal Financial Accounting Standards No. 6, titled "Accounting for Property, Plant, and Equipment." The reporting method shall be at the contractor's discretion. The contractor shall notify NSF of any changes in reporting method.
- 4. These reports shall, at a minimum, identify the following data:
  - (a) The method of measuring deferred maintenance for each category of property identified in paragraph e.2 of this clause.
  - (b) If the condition assessment survey method is selected, the following additional information shall be reported:
    - (1) A narrative describing the requirements or standards for acceptable operating condition.
    - (2) A narrative describing any changes in the aforementioned requirement or standards implemented during the reporting period.
    - (3) A rating describing the overall condition of the property employing the following scale: 1 Excellent; 2 Good; 3 Fair; 4 Poor; and 5 Very Poor. A rating of 3 Fair is considered as the minimum acceptable condition.
    - (4) An estimate of the dollar amount of maintenance deferred.
  - (c) If the total life-cycle cost method is selected, the following additional information shall be reported:
    - (1) A narrative describing the original date of the maintenance forecast and an explanation for any changes to the forecast.
    - (2) The prior year balance of the cumulative deferred maintenance amount.
    - (3) The dollar amount of maintenance that was required for the reporting period.

- (4) The dollar amount of maintenance that was actually performed during the reporting period.
- (5) The dollar amount of any adjustment to the scheduled amounts of maintenance deemed necessary.
- (6) The ending cumulative balance of deferred maintenance for the reporting period.

# f. Software

- 1. On or before July 15 and October 15 each year, the Contractor shall submit to the Foundation the following reports for all COTS and Contractor-developed software identified as Government property that, in the aggregate, cost \$500,000 or more.
  - (a) A complete inventory of software as of June 30 and September 30 respectively.
  - (b) A complete inventory of software for which the Contractor assumed custody during the period from October 1 of the previous year through June 30 and September 30, respectively, of the current year.
  - (c) A complete inventory of software for which the Contractor was relieved of custody during the period from October 1 of the previous year through June 30 and September 30, respectively, of the current year.
- 2. These reports shall, at a minimum, include the following data:
  - (a) NSF Property Number
  - (b) Item Description
  - (c) Quantity
  - (d) Make and/or Model
  - (e) Manufacturer
  - (f) Manufacturer's Serial Number
  - (g) Purchase Order/Subcontract No. or Government Transfer Order No.
  - (h) Indicate if acquired through Government Transfer Order
  - (i) Acquisition Date
  - (j) In-Service Date
  - (k) Acquisition Cost
  - (1) Useful Life
  - (m) Annual Depreciation Expense
  - (n) Accumulated Depreciation
  - (o) Net Book Value

- (b) Any restrictions on use or convertability
- 3. The straight-line method of depreciation shall be used to calculate depreciation expenses. Useful life shall be established in accordance with Internal Revenue Service Depreciation Guidelines. A half-year convention for recognizing depreciation shall be employed. Changes in useful life or salvage value shall be treated prospectively, and accounted for in future periods. No changes shall be made to previously recorded depreciation.
- 4. Acquisition cost shall be determined using the "National Science Foundation Software Property Asset Cost Worksheet" (see Attachment 6b). Software acquisition costs do not include the following:
  - (a) Any cost associated with preliminary design, evaluation, or testing of alternative software.
  - (b) Marketing surveys used in the final selection criteria for software.
  - (c) Any costs incurred to convert data, including costs to develop or obtain software to access or convert existing data, and costs to purge, correct or cleanse existing data before it is converted.
  - (d) Costs incurred after implementation is completed (e.g., repair of a design flaw or minor upgrades that extend the software's useful life).
- 5. Computer software that is integrated into and necessary to operate equipment, rather than perform an application, is considered an integral part of that equipment, and shall not be reported as software.
- 6. COTS software acquired as a "bundle" of products requires reasonable valuation of each component. Do not report software components unless the component itself is valued at \$500,000 or greater.
- 7. Software in development, but not complete as of the reporting date, for which acquisition costs are anticipated to exceed \$500,000 shall be identified and reported as work-in-progress. The software will be valued at the total cost incurred to develop the software as of the reporting date.
- 8. Software acquired prior to October 1, 2000 shall not be included in these reports.

#### g. NSF Form 1408

- 1. NSF Form 1408, titled 'NSF Property in the Custody of Awardees," shall be completed and submitted to the Foundation on or before October 15 each year (notwithstanding the form's instructions). This report shall be complete as of September 30 of the current year.
- 2. An inventory of equipment classified as capitalized property shall be submitted with the completed NSF Form 1408 to support the dollar amount cited in column '9".

### h. GSA Form 1166

- 1. GSA Form 1166, titled "Quarterly Report of Real Property Owned by or Leased to the United States," shall be completed and submitted to the Foundation on or before October 15 each year. This report shall be complete as of September 30 of the current year.
- 2. Notwithstanding the form's title, annual submission is required.

i. Standard Form 82 – Standard Form 82, titled "Agency Report of Motor Vehicle Data," shall be completed and submitted to the Foundation prior to October 15 each year. This report shall be complete as of September 30 of the current year.

k. Submission - All reports and inventories identified in this subsection shall be submitted as follows:

#### 1. One set to:

National Science Foundation
Division of Administrative Services
4201 Wilson Boulevard, Room 295
Arlington, VA 22230
ATTN: Property Administrator

## 2. One set to:

National Science Foundation
Division of Financial Management
Accounting Operations Branch
4201 Wilson Boulevard, Room 575
Arlington, VA 22230
ATTN: Branch Chief

5. In Section H2, Key Personnel, delete the table included therein and substitute the following:

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6. In Section J1, Listing of Attachments, add the following as Item No. 6b and Item No. oc respectively:

6 <b>b</b> .	National Science Foundation Software Property Asset Cost Worksheet	4 April 01	1	§F11.a.2 -and- §F11.f.5
	No. of Comment Foundation Comment Description Description	N/A	1	§F11.a.2
6c.	National Science Foundation General Property, Plant and Equipment (PP&E) Policy on Depreciation of Improvements	N/A	1	yr11.a.2

- 7. Add the enclosed document titled National Science Foundation Software Property Asset Cost Worksheet as Attachment 6b to the contract.
- 8. Add the enclosed document titled National Science Foundation General Property, Plant and Equipment (PP&E)

  Policy on Depreciation of Improvements as Attachment 6c to the contract.

4/04/01					Attachment 6
Sof		cience Foundation  y Asset Cost Worksho	eet		
Project I.D.					
<u>Description</u>					
	<u> </u>				
	<u> </u>	Direct	· · · · · · · · · · · · · · · · · · ·		
	<del> </del>	Costs			
Commercial Off the Shelf (COTS)	<del> </del>	<del> </del>			- <del></del>
Purchased Software	<del></del>	<del>  </del>		}	<del></del>
Purchase Order No.	<del></del>	-}			
Purchase Order Amount	<del> </del>	Diment		<del></del>	0.0
NSF Contractor Development Costs	<del>                                     </del>	Direct Costs			
Contract No.	<del> </del>	CUSIS			<del></del>
Contract No.	<del> </del>	<del> </del>			0.0
Consider Attiount	<del> </del>	<del> </del>		<del></del>	<u>v.v</u>
LESS : Exclusions	1	<del> </del>	<del></del>		<del></del>
a. Preliminary Design Costs		<del>                                     </del>			<del></del>
o. Marketing Survey Costs	<del> </del>	+			
. Data Conversion Costs	<del>                                     </del>	<del> </del>	· · · · · · · · · · · · · · · · · · ·	<u>_</u>	<del></del>
1. Minor Post-Implementation Costs					
Total Exclusions		(			(
	1				
NSF Internal Development Costs					
Salaries and Wages	1	Annual	% of Time	<u>Direct</u>	
	<u> </u>	Salaries	on Project	Salaries	·
Employee	<u> </u>				<del></del>
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Total Direct Salaries	1	<del> </del>	/9	0.00	<del></del>
Indirect Cost Rate	53%	†		X 1.53	
Fotal Salaries & Wages	T	<del>                                     </del>	<del></del>	0.00	0.0
		1			
Other Direct Costs	<del> </del>	Direct Costs			<del></del>
					<del></del>
ravel & Transportation	<del> </del>	<del> </del>			
Travel & Transportation Distributed General Administrative	1				
Distributed General Administrative	<del> </del>	<u> </u>			
Distributed General Administrative  Fotal Other Direct Costs		0.00			0.0

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# NATIONAL SCIENCE FOUNDATION GENERAL PROPERTY, PLANT AND EQUIPMENT (PP&E) POLICY ON DEPRECIATION OF IMPROVEMENTS

# Improvements to Capital Assets

Consistent with the Statement of Federal Financial Accounting Standards (SFFAS) No. 6, "Accounting for Property, Plant and Equipment," improvement costs should only be capitalized when the improvement increases a PP&E asset's useful life, capacity, size, or efficiency. In addition, an improvement shall only be capitalized when the cost of the improvement equals or exceeds the NSF capitalization threshold. If improvements to an asset are consistently below the capitalization threshold and it is known that the asset will eventually be over the capitalization threshold because something bigger is being built, an adjustment will be made to capitalize the asset once the assets aggregate costs are over the threshold. Further, improvements shall be capitalized and depreciated separately from the PP&E asset improved. Improvements that do not increase an asset's useful life capacity, size, or efficiency, regardless of the amount of the cost, shall be expensed.

<u>Improvements</u>. Replacement of a component with an improved component, such as replacing an engine, installing a new HVAC system or the replacing of single pane windows with double pane windows, would be considered capitalized improvements if they exceed the NSF capitalization threshold.

Improvements that do not Extend the Useful Life. Improvements that do not extend the useful life of a PP&E asset but increase the assets capacity, size or efficiency shall be depreciated over the remaining recovery period of that asset. For example, if a 10-year recovery period asset is improved after the fourth year of the asset's useful life, and the improvement increases the capacity of the asset, but does not extend its useful life, the recovery period of the improvement is 6 years—the remaining recovery period for the asset improved.

Improvements that Extend the Useful Life. Improvements that extend the useful life of a PP&E personal property asset shall be depreciated over the period that actually reflects the useful life of the improvement. For example, if a 5-year recovery period asset is improved after the third year of the asset's useful life, and the improvement extends the useful life of the original asset by 2 years, the recovery period for the improvement is 4 years. (The remaining 2 years of the asset's original useful life plus the 2 additional years of additional useful life.)

Maintenance and Repair. Maintenance and repair costs are <u>not</u> considered capitalized improvements, regardless of whether the costs exceed the NSF capitalization threshold. Examples of maintenance and repair include in kind replacement of any component of an item of real property (e.g., roof, floor, utility lines); internal reconfiguration of a building (i.e., moving of partitions or equipment); or any improvement that does not materially increase the value of the real property (e.g., painting of interior or exterior walls).

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AMENDMENT OF SOLICITATION/MO			1 1-2
2. AMENDMENT / MODIFICATION NO	3. EFFECTIVE DATE	4. REQUISITION / PURCHASE REQ NO. 5. PROJE	CT NO. (If applicable)
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NATIONAL SCIENCE FOUNDATION	<u></u>	5552	· · · · · · · · · · · · · · · · · · ·
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4201 WILSON BOULEVARD, ROOM 4	./5		
ARLINGTON, VA 22230  R. NAME AND ADDRESS OF CONTRACTOR		(/) 1 9A, AMENDMENT OF SOLICITATION NO.	<del></del>
A NAME AND ADDRESS OF CONTRACTOR		(2) 9A. AMENDMENT OF SOLICITATION NO.	
Raytheon Technical Services Company, Pola	r Services		
61 Inverness Drive East, Suite 300		98. DATED (SEE ITEM 11)	
Englowood, Calorado 80112-5121			
		16A. MODIFICATION OF CONTRACT / ORDER	NO.
		OPP-0000373	
CODE FACILITY CODE		108. DATED (SEE ITEM 13)	<del></del>
CODE FACILITY CODE		1 1	no.
11 VUICITE	A ONLY ADDITE TO AM	November 1, 195	·3
The above numbered soliditation is amended as set f			xtended. is n
extended. Offers must acknowledge receipt of this docu	ment mint to the hour o	nd date specified in the enlicitation of as amended	
methods: (a) By completing items 8 and 15, and return	ing copies of the	amendment; (b) By acknowledging receipt of this ar	nendment on sech co
of the offer submitted; or (c) By separate letter or to	slearem which includes a	reference to the solicitation and amendment numb	iers, FAILURE OF YOU
ACKNOWLEDOMENT TO BE RECEIVED AT THE PLACE DES REJECTION OF YOUR OFFER, If by virtue of this emendment	IGNATED FOR THE RECE	IPT OF OFFERS PRIOR TO THE HOUR AND DATE SPI Har pleased withmitted with change may be made by the	ECIFIED MAY RESULT
each telegram or letter makes reference to the solicitation and			- State of S
12. ACCOUNTING AND APPROPRIATION DATA (It required)			
	see attac	CATIONS OF CONTRACT/ORDERS.	
		NO. 45 DESCRIBED IN !TEM 14.	**
		NGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTI	SACT ORDER NO. IN.
ec.) SET PORTH IN ITEM 14. PURSUANT TO THE C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED II			
D. OTHER (Specify type of modification and authority)			
	P.L. 106-377; FA	R Part 43.103(a)	
E. IMPORTANT: Contractor is not is requi 14. DESCRIPTION OF AMENDMENT / MODIFICATION (Organic	red to sign this documer	nt and return 2 copies to issuing office.	No.
14. DESCRIPTION OF AMENDMENT PRODUPTED TON LONGING	red by OCF Section headings	Tillicindud sonersnou v. counsel sociect water anale was	0(c.)
see attached			
Except as provided heroin, all terms and conditions of the deci-	ament referenced in Item 9	A and ICA, as heretofore changed, remains unchanged a	ind in full force and
CHOCL.  15A. MANÉ AND TITLE OF SIGNER (TYPH OF PHOR)  TIN PROVINGIECO VICE FREEL	dent RFC	164 NAME AND TITLE OF CONTRACTING OFFICER (	YPE OF PHIND
Infar .	orvices	Commoting Officer	
ISB. CONTRACTOR OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	ISC. DATE SIGNED
tomal	100 11/22	$\mathbb{Z}$	\//
HAR	1001 11,02	1 6. T Dudwod.	111/22
(Signature of person authorized to sign)	_	(Sensture of Contracting Officer)	
SN 7540-01-152-8070	30-105	STANDARD FO	RM 80 (REV. 10-83)
REVIOUS EDITION UNUSABLE		Prescribed by 0 FAR (48 CFR) S	3 <b>\$</b> A

The purpose of this modification to NSF Contract No. OPP-0000373 is to reallocate funds from the South Pole Station Modernization project to the South Pole Safety and Environment project, and to identify the Contractor's contribution to the South Pole Safety and Environment project. Accordingly, this contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-1296-05XX-2542 01020200-1283-05XX-2542 Decrease: \$500,000 Increase: \$500,000

2. In Section B5, Contract Funding, the total amount allotted to this contract remains unchanged.

Funds in the amount of \$500,000 are reduced from the South Pole Station Modernization project. The remaining funds allotted in FY 2002 may reprogrammed among the projects identified in WBS 4.2 through WBS 4.5 of the FY 2002 Program Plan in accordance with Section F5.6 of this contract. However, funds allotted to the South Pole Station Modernization project shall not be reprogrammed to support other contract activities. Total funding allotted to the South Pole Station Modernization project in FY 2002 is \$9,500,000. Total funding allotted to the South Pole Station Modernization project is \$27,704,190.

Funds in the amount of \$500,000 are provided for the South Pole Safety and Environment project. These funds may be reprogrammed in accordance with Section F5.6 of this contract among projects identified in WBS 4.1 of the FY 2000, FY 2001 and FY 2002 program plans. However, funds allotted to the South Pole Safety and Environment project shall not be reprogrammed to support other contract activities. Total funding allotted to the South Pole Safety and Environment project in FY 2002 is \$500,000. Total funding allotted to the South Pole Safety and Environment project is \$1,800,000.

3. In Section B6, Notice Regarding Contractor Contributions to the USAP, add the following identified as Section B6.5:

B6.5 South Pole Safety and Environment project - contribution totaling \$440,144.

NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE

(Signature of person authorized to sign)

30-105

Signature of Contracting Officer)

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA

The purpose of this modification to NSF Contact No. OPP-0000373 is to provide additional funds, and formalize the Award Fee Adjustment for Contract Year No. One. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-5140-02XX-2542 01020200-5146-02XX-2542 Increase: \$35,000,000 Increase: \$5,000,000

2. Section B3, Award Fee Schedule, is revised as follows to reflect the award fee score of Contract Year No. One:

or

Period	Fee Bearing Cost	Bose Fee	Maximum Award Fee	Award Foe Earned
April 1, 2000				
through March	}			•
31, 2001 (all		1		
WBS's)	·	·		

The award fee earned amount includes the dated December 26, 2001.

described in NSF's letter to RPSC

3. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Briefing.			Sufferent
Est. Cost	\$254,959,805	\$0	\$37,774,508	\$292,734,313
Billable Fee				
Award & Base Fees		•		<b>.</b>
Total Allotted				

It is estimated that these funds will be sufficient for the performance of work through May 2002.

FROM: RAYTHEON POLAR DORMAND MAY-24-2002 12:37 FAX NO. : 3037902985 NSHYJJUNTKY**BT**IS YUL.C'

May. 24 2002 10:36AM P4

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ARLINGTON, VA 122230				·
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Raytheon Technical Services Company, Polar	e Carriane	1.		•
7400 South Tucson Way	1 241AICA2	SE DATED	(SEE ITEM 1!)	
Centennial, Colorado 80112-3938				
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CKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNECTION OF YOUR OFFER. If by virtue of this amendment you telegram or letter makes reference to the solicitation and a accounting and appropriation data (if required)	ou desire to change an of this amendment, and is re	fer already submitted ichived prior to the op	, such change may be i	made by talacram or letter, provided
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X Sactio	n H2; FAR 43.103(		<del></del>	
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The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds, revise the Contractor's address, provide for collection of billable fee at a rate of provide for submission of property reports to the Contracting Officer, update contract clauses as required by relevant Federal Acquisition Circulars, and update and identify key personnel assigned to the contract. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-5140-02XX-2542 01020200-1789-40XX-2542	Increase: \$35,000,000 Increase: \$ 194,249
01020100-5205-02XX-2542	Increase: \$ 428,000
01020300-5130-02XX-2542	Increase: \$ 30,000

2. The Contractor's name and address, identified on the Contract Cover Page (SF 26) at Block 7 and elsewhere within this contract, is revised to read as follows:

Raytheon Technical Services Company, Polar Services 7400 South Tucson Way Centennial, Colorado 80112-3938

3. In Section B3, Award Fee Schedule, the last paragraph beginning [a] ctual amount for the ... is revised to read as follows:

Actual amount for the Award Fee schedule will be fixed at the acceptance by the Foundation of the annual Program Plan (see Section F). The Contractor may bill and collect 'the agreed upon award fee amount (hereinafter referred to as 'Billable Fee') in proportion to the cost incurred for a particular period.

Effective April 1, 2002, the Contractor may bill and collect the cost incurred for a particular period.

of the billable fee in proportion to

4. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element :	Existing	Adjustments	Mod 13	Subtotale
Est. Cost	\$292,734,313	-\$98,802	\$34,639,056	\$327,274,567
Billable Fee				
Award & Base Fees				
Total Allotted				

It is estimated that these funds are sufficient for the performance of work through August 2002.

Funds in the amount of \$194,249 are provided from the National Science Foundation Trust Fund for Comprehensive Test Ban Treaty (CTBT) related project activities identified in the FY 2002 Program Plan at WBS R-PS21-221B72 only. Funds allotted to these project activities shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other project activities to support CTBT work, per the authority at Section F5.6 of this contract. Total NSF Trust Fund monies allocated to the CTBT activities identified herein is \$194,249.

- 5. In Section F11, Property Reporting, add the following designated Section F11.k.3:
  - 3. One set to:

National Science Foundation
Division of Contracts, Policy, and Oversight
4201 Wilson Boulevard, Room 475
Arlington, Virginia 22230
ATTN: Contracting Officer

6. Section H2, Key Personnel, is revised to read as follows:

Title/Position	Individual	% of Labor Effort
	)	
Program Manager		100%
Director, Science Support		100%
Chief of Operations		100%
Director, Logistics		100%
Information Systems Executive	•	100%
South Pole Redevelopment Project Manager		100%
Facilities Engineering and Construction Executive		100%
Director, Operations		100%

- 7. In Section II, FAR Clauses Incorporated by Reference, delete ...
  - 52.208-8 Helium Requirements Forecast and Required Sources for Helium (June 1997)
  - ... and substitute:
    - 52.208-8 Required Sources for Helium and Helium Usage Data (April 2002)
    - 52.208-9 Contractor Use of Mandatory Sources of Supply or Services (February 2002)

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The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020000-1647-02XX-2542	Increase: \$1,373,028
01020000-1694-02XX-2542	Increase: \$ 50,000
01020000-W594-0102-2542	Increase: \$ 114,240
01020000-W597-0102-2542	Increase: \$ 380,800
01020000-5281-05XX-2542	Increase: \$ 83,200
01020200-5140-02XX-2542	Increase: \$9,538,697
01020300-5111-02XX-2542	Increase: \$ 51,321
01020300-5112-02XX-2542	Increase: \$ 3,898
01020300-5115-02XX-2542	Increase: \$ 3,968
01020300-5116-02XX-2542	Increase: \$ 3,554
01020300-5130-02XX-2542	Increase: \$ 32,443
01020300-1629-02XX-2542	Increase: \$ 121,377

2. The issuing agency's name and address, identified on the Contract Cover Page (SF 26) at Block 5 and elsewhere within this contract, is revised to read:

National Science Foundation
Division of Acquisition and Cost Support
Contracts Branch – Section II
4201 Wilson Boulevard, Room 475
Arlington, Virginia 22230

3. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Excitation (1)	Adjustments.		Shibibically.
Est. Cost	\$327,274,567	\$0	\$11,422,420	\$338,696,987
Billable Fee	 <del></del>			
Award & Base Fees			•	<b>_</b>
Total Allotted			<u> </u>	

It is estimated that these funds are sufficient for the performance of work through October 2002.

Funds in the amount of \$114,240 are provided for Comprehensive Test Ban Treaty (CTBT) related project activities identified in the FY 2003 Program Plan at WBS R-PS31-221B71 only. Funds allotted to these project activities shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other project activities to support CTBT work, per the authority at Section F5.6 of this contract. Total funding allotted to the CTBT activities identified herein is \$114,240.

Funds in the amount of \$380,800 are provided for ANSMET II related project activities identified in the FY 2003 Program Plan at WBS R-PS31-223B91 only. Funds allotted to these project activities shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other project activities to support ANSMET II work, per the authority at Section F5.6 of this contract. Total funding allotted to the ANSMET II activities identified herein is \$380,800.

Funds in the amount of \$83,200 are provided for IceCube Research and Development project related activities identified in the FY 2003 Program Plan at WBS R-PS31-222B81 only. Funds allotted to these project activities **shall not** be reprogrammed to support other contract activities, **nor shall** funds be reprogrammed from other project activities to support IceCube Research and Development project work, per the authority at Section F5.6 of this contract. Total funding allocated to the IceCube Research and Development project activities identified herein is \$83,200.

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The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds, revise the contract work statement, identify key personnel assigned to the contract, and provide for the reporting of leased property that is not classified as Government property. Accordingly, this contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

 01020200-5140-02XX-2542
 Increase: \$40,000,000

 01020200-5146-02XX-2542
 Increase: \$10,000,000

 01020200-1296-05XX-2542
 Increase: \$ 8,000,000

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

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Est. Cost	\$338,696,987	\$0	<b>\$</b> 56,351,712	\$395,048,699
Billable Fee	<u> </u>		l .	
Award & Base Fees				
Total Allotted				

It is estimated that these funds are sufficient for the performance of work through January 2003.

Funds in the amount of \$8,000,000 are provided for the South Pole Station Modernization project. These funds may be reprogrammed in accordance Section F5.6 of this contract among the projects identified in WBS 4.2 through WBS 4.5 of the FY 2003 Program Plan. However, funds allocated to the South Pole Station Modernization project shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other contract activities to support SPSM work, per the authority at Section 5.6 of this contract. Total funding allotted to the South Pole Station Modernization project in FY 2003 is \$8,000,000. Total funding allotted to the South Pole Station Modernization project is \$35,704,190.

3. Section C7.4.6.7.2, Helicopters, is deleted in its entirety and revised to read as follows:

#### C7.4.6.7.2 Commercial Aviation

The Contractor shall coordinate and schedule all commercial helicopter and fixed-wing flight operations in Antarctica, and issue for use and maintain all helicopter external load gear. During the austral summer, the Contractor shall operate a scheduling office in the helicopter hanger (Building 129) to coordinate daily flight activities. The Contractor shall prepare and submit for NSF approval a test and inspection plan for all helicopter external load gear in NSF's inventory.

In Section F10.1, Schedule of Deliverables, add the following, designated F10.1.18 and F10.1.19 respectively:

F.10.1.x	<u>Item</u>	No.	Date	Notes
F10.1.18	Helicopter External Load Gear Test and Inspection Plan	4	November 22, 2002	
F10.1.19	Property Acquired by Assignable Lease	1	October 15, 2003	(1)

5. In Section F11.b.1, Equipment, delete the following in the first paragraph:

The Contractor shall also report on property classified as acquired through an assignable lease.

6. In Section F11.c.1, Real Property, delete the following in the first paragraph:

The Contractor shall also report on property classified as acquired through an assignable lease.

7. Section H2, Key Personnel, is revised to read as follows:

Program Manager		100%
Director, Science Support		100%
Chief of Operations	·	100%
Director, Logistics		100%
Information Systems Executive	• • • • • • • • • • • • • • • • • • •	100%
South Pole Redevelopment Project Manager		100%
Facilities Engineering and Construction Executiv	• • • • • • • • • • • • • • • • • • •	100%
Director, Operations		100%

8. Section H17, Assignment of Subcontracts, is revised to read as follows:

## H17. Assignment of Subcontracts

All subcontracts awarded by the Contractor for which the cost of the subcontract is being reimbursed to the Contractor as a direct cost (regardless of subcontract type, or property, and/or services being acquired) shall reserve NSF's rights to unilaterally assign the subcontract for administration to the Foundation or any other organization selected by NSF.

On or before October 15 of each year, the Contractor shall submit to the Foundation a complete inventory for all property acquired by assignable lease as defined at Section F11.a.4 as of September 30. The report shall, at a minimum, include the following data:

- Property description and location
- Acquisition date as defined at Section F11.a.3
- ➤ Lease term
- Minimum lease payment as defined at Section F11.a.9

- Periodic lease payment
- Cost to terminate

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Prescribed by GSA FAR (48 CFR) 53.243

The purpose of this modification to NSF Contract No. OPP-0000373 is to make administrative changes. Accordingly, this contract is hereby modified as follows:

1. In Section B2, Contract Funding, the total amount allotted to this contract remains unchanged.

Funds in the amount of \$335,315 for the South Pole Safety and Environment (SPSE) project provided by Modification No. Eleven are re-allotted to FY03 SPSE projects as identified in WBS R-PS34-280Exx of the FY03 Program Plan. FY03 funds allotted for SPSE may be reprogrammed in accordance with Section F5.6 of this contract among the projects identified in WBS R-PS34-280Exx of the FY03 Program Plan. However, fund allotted to SPSE shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other contract activities to support SPSE. Total funding allotted for SPSE in FY02 is reduced to \$164,685. Total funding allotted for SPSE in FY03 is \$335,315. Total funding allotted to SPSE remains unchanged at \$1,800,000.

Funds in the amount of \$1,946,538 for the South Pole Station Modernization (SPSM) project provided by Modification No. Three are re-allotted to FY03 SPSM projects as identified in WBS R-PS34-290Exx through WBS R-PS34-293Exx of the FY03 Program Plan. Total funding allotted for SPSM in FY00 is reduced to \$8,257,652.

Funds in the amount of \$118,245 for SPSM provided by Modification No. Five are re-allotted to FY03 SPSM projects as identified in WBS R-PS34-290Exx through WBS R-PS34-293Exx of the FY03 Program Plan. Total funding allotted for SPSM in FY01 is reduced to \$7,881,755.

Funds in the amount of \$728,300 for SPSM provided by Modification No. Ten are re-allotted to FY03 SPSM projects as identified in WBS R-PS34-290Exx through WBS R-PS34-293Exx of the FY03 Program Plan. Total funding allotted for SPSM in FY02 is reduced to \$9,271,700.

Total funding for SPSM in FY03 is increased by \$2,793,083, from \$8,000,000 to \$10,793,083. Total funding allotted to SPSM remains unchanged at \$35,704,190. FY03 funds allotted for SPSM may be reprogrammed in accordance with Section F5.6 of this contract among the projects identified in WBS R-PS34-290Exx through WBS R-PS34-293Exx of the FY03 Program Plan. However, funds allotted to SPSM shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other contract activities to support SPSM.

2. In Section G5, COTR Designation and Authority, the first paragraph is revised to read as follows:

The Contracting Officer has designated Erick Chiang, Section Head, Office of Polar Programs, Polar Research Support Section (PH: 703/292-8032, E-mail: echiang@nsf.gov) as the Contracting Officer's Technical Representative (COTR) under this contract.

3. In Section G8, NSF Property Officer Designation and Authority, the first sentence is revised to read as follows:

The Contracting Officer has designated R. Kevin Rorer, Division of Administrative Services, Property and Records Section (PH: 703/292-7560, E-mail: <a href="mailto:rrorer@nsf.gov">rrorer@nsf.gov</a>) as the cognizant NSF Property Officer under this contract.

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The purpose of this modification to NSF Contract No. OPP-0000373 is to make administrative changes. Accordingly, this contract is hereby modified as follows:

1. In Section G5, COTR Designation and Authority, the first paragraph is revised to read as follows:

The Contracting Officer has designated Susanne LaFratta, Deputy Section Head, Office of Polar Programs, Polar Research Support Section (PH: 703/292-8032, E-Mail: slafratt@nsf.gov) as the Contracting Officer's Technical Representative (COTR) under this contract.

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The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

 01020000-5281-05XX-2542
 Increase: \$ 985,400

 01020200-5140-02XX-2542
 Increase: \$34,000,000

 00010004-0237-0703-2542
 Increase: \$ 125

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

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Total Allotted				

It is estimated that these funds will be sufficient for the performance of work through June 2003.

Funds in the amount of \$985,400 are provided for IceCube Research and Development project related activities identified in the FY 2003 Program Plan at WBS R-PS31-222B81 only. Funds allotted to these project activities shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other project activities to support IceCube Research and Development project work, per the authority at Section F5.6 of this contract. Total funding allocated to the IceCube Research and Development project activities identified herein is \$1,068,600.

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Nineteen (019) per 'UED BY NATIONAL SCIENCE FOUNDATION DACS - CONTRACTS BRANCH, SECTION 1 4201 WILSON BOULEVARD, ROOM 475 ARLINGTON, VA 22230 8. NAME AND ADDRESS OF CONTRACTOR Raytheon Technical Services Company, Polar S 7400 South Tucson Way Centennial, Colorado 80112-3938 CODE FACILITY CODE 11. THIS ITEM ONLY A The above numbered solicitation is amended as set is extended, is not extended. Offers specified in the solicitation or as amended, by one copies of the amendment; (b) submitted; or (c) By separate letter or telegram which is ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR REJECTION OF YOUR OFFER. If by virtue of this amendment y telegram or letter, provided each telegram or letter makes opening hour and date specified. 12. ACCOUNTING AND APPROPRIATION DATA (If required) 13. THIS ITEM APPLIES O IT MODIFIES THE CONTR. A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify 10A. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED appropriation date, X etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUT C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUA D. OTHER (Specify type of modification and authority) 図 E. IMPORTANT: Contractor is not, office. 14. DESCRIPTION OF AMENDMENT / MODIFICATION (Organized by UCF section headings, including solicitation feasible.) see attached Except as provided herein, all terms and conditions of the document referenced in Item 9A and 10A, as heretofore changed, remains unchanged and in full force and effect. 15A. NAME AND TITLE OF SIGNER (Type of print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Patricia S. Williams; Contracting Officer UNITED STATES OF AMERICA 15B. CONTRACTOR / OFFEROR 15C. DATE SIGNED (Signature of person authorized to sign) of Contracting Officer) STANDARD FORM 30 (REV. 10-83) 30<del>-</del>105 40-01-152-8070 د

REVIOUS EDITION UNUSABLE

AMENDMENT OF SOLICITATION/MODIFICAT

EFFE

2. AMENDMENT / MODIFICATION NO.

Prescribed by GSA FAR (48 CFR) 53.243 The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020300-5111-02XX-2542

Increase: \$

65,000

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Plenens	St. A. Exieting.	Adfusiments:	Mod 19	The Submials ()
Est. Cost	\$429,039,979	\$0	\$63,153	\$429,103,132
Billable Fee				
Award & Base Fees			<b>.</b>	11
Total Allotted				

It is estimated that these funds will be sufficient for the performance of work through June 2003.

	·				·		# 0990-01	15
AMENDMEN	T OF SOLICITATION/MOD	IFICATION OF CO	ONTRA	CT	1. CONTRACT ID C	ODE	PAGE OF	Pagel 2
2. AMENDMEN'I / MODII	TICATION NO.	3. EFFECTIVE DATE	4. REC	QUISITION /	PURCHASE REQ NO.	5. PROJ	ECT NO. (if	4
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NATIONAL	SCIENCE FOUNDATION		7					
DACS - CC	NTRACTS BRANCH, SEC	TION II	ļ					
	ON BOULEVARD, ROOM		· ·					
	, VA 22230		1.					
8. NAME AND ADDRESS		<del></del>	(X)	9A. AMENDM	NT OF SOLICITATIO	N NO.	<del></del>	
		•						
	nical Services Company,	Polar Services						
7400 South Tu	•		}	9B. DATED	(SEE ITEM 11)			
Centennial, C	olorado 80112-3938							·
				10A. MODIF	CATION OF CONTRAC	T / ORDER	NO.	
	•		X		OPP-0	000373		
CODE	FACILITY CODE		-	10B Dames	(SEE ITEM 13)			
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	11. THIS ITE	M ONLY APPLIES TO A	MENDMEN	TS OF SOLT		. 1, 19		
The above numb	pered solicitation is amended					fied for	receipt of	Offers
is extended	is not extended.	Offers must ackno	owledge	receipt o	f this document	prior to	the hour a	nd date
	solicitation or as amended,	by one of the fo	llowing	methods:	(a) By compl	eting It	ems 8 and	15, and
returning	By separate letter or telegram	it; <b>(b)</b> By acknowle	dging .	receipt of	this amendment	on each	copy of the	e offer
ACKNOWLEDGMENT TO	BE RECEIVED AT THE PLACE DESIGN	NATED FOR THE RECEIP	T OF O	FERS PRIOR	TO THE HOUR AND	DATE SPEC	CIFIED MAY RE	OF YOUR ESULT IN
REJECTION OF YOUR	OFFER. If by virtue of this am	endment you desire t	o chang	e an offer	already submitted	, such ch	nange may be	made by
opening hour and da	provided each telegram or lette te specified.	er makes reference to	the so	icitation a	nd this amendment,	and 19 1	received prio	r to the
12. ACCOUNTING AND	APPROPRIATION DATA (If required)							<del>"</del>
	12 MUTO THEW A	DOLLING ONLY TO WORK	Dr.C.N.m.t.c	NO OF COMM	DAGE CORPORA	<del></del>	<del>i</del>	
		PPLIES ONLY TO MODI HE CONTRACT/ORDER N						
(3) A. THIS CHANG	E ORDER IS ISSUED PURSUANT TO:					ADE IN TH	E CONTRACT OF	RDER NO.
10A.								
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appropriation	E NUMBERED CONTRACT/ORDER IS N	MODIFIED TO REFLECT	THE AD	MINISTRATIVE	CHANGES (such a	s change	s in paying	office,
A etc.) S	ET FORTH IN ITEM 14, PURSUANT TO			(b).		N1		
C. THIS SUPPI	EMENTAL AGREEMENT IS ENTERED IN	TO PURSUANT TO AUTHOR	ITY OF:					
								<del> </del>
D. OTHER (Spe	cify type of modification and a	utnority)					•	
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E. IMPORTANT: Con	tractor 🛛 is not, 📙	is required to	sign th	is documen	t and return	copi	es to issuir	ıg
office.	AMENDMENT / MODIFICATION (Organi	and by UCF section be	adings	including	olicitation / cont	ract sub	iect matter W	here
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see attached								
		,		*.				
Except as provided	nerein, all terms and conditions	of the document refe	erenced	in Item 9A a	nd 10A, as heretoi	fore chang	ged, remains	
unchanged and in fu	ll force and effect.							
15A. NAME AND TITLE	OF SIGNER (Type of print)		16A.	NAME AND TIT	LE OF CONTRACTING	OFFICER	(Type or prin	E)
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	person authorized to sign)	30 105	ــــــــــــــــــــــــــــــــــــــ	(Signature o	of Contracting Off		RM 30 (REV.	10-831
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The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-5140-02XX-2542

Increase: \$

1,498

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Blemeites	Vic Stiffing 14	** Adjustments !!	Miss Mod 20. Ref	N Subtotale
Est. Cost	\$429,103,132	\$0	\$1,455	\$429,104,587
Billable Fee				
Award & Base Fees		• · · · · · · · · · · · · · · · · · · ·		·
Total Allotted		[		

It is estimated that these funds will be sufficient for the performance of work through June 2003.

3. EFFECTIVE DATE			1. CONTRACT ID	CODE	PAGE OF
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t; (b) By acknowled m which includes a : ESIGNATED FOR THE RE amendment you desire ter makes reference to PPLIES ONLY TO MODI	dging referen CCEIPT ( to char to the	receipt of the to the s F OFFERS PR ge an offer solicitation	this amendment olicitation and IOR TO THE HOUR already submitt and this amendment	on each o amendment n AND DATE SI ed, such cha	copy of the offer numbers. FAILURE OF PECIFIED MAY RESUL- ange may be made by
TO THE AUTHORITY OF E	FAR 43.	03 (b) .	CHANGES (such	as changes	in paying office
authority)	, <u> </u>	<del></del>			
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is required to	sign th	is documen	t and return	copies	s to issuing
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nized by UCF section	heading	s, includin	g solicitation /	contract su	ubject matter wher
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nized by UCF section	heading eference 16A.	d in Item 9.  NAME AND TITE BART BRIL  UNITED STA	g solicitation / A and 10A, as here The OF CONTRACTIN	contract su	anged, remains
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The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds, and formalize the Award Fee Adjustment for Contract Year No. Two. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020300-5111-02XX-2542

Increase: \$

8,348

2. Section B3, Award Fee Schedule, is revised as follows to reflect the award fee score of Contract Year No. Two:

 $\mathbf{or}$ 

Period	Fee Bearing Cost	Base Fee	Maximum	Award Fee	Award Fee	Earned
April 1, 2001						
through					•	
March 31, 2002						
(all WBS's)					1	

3. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 21	Subtotals
Est. Cost	\$429,104,587	-\$1,768,071	\$8,111	\$427,344,627
Billable Fee	<del></del>		<b>!</b>	
Award & Base Fees				
Total Allotted			<b>!</b> 	

It is estimated that these funds will be sufficient for the performance of work through June 2003.

AMENDME	NT OF SOLICITATION/MOD	IFICATION OF CO	ONTRA	СТ	1. CONTRACT ID		PAGE OF PAGES 1 2
2. AMENDMENT / MOD	IFICATION NO.	3. EFFECTIVE DATE		QUISITION /	PURCHASE REQ	5. PROJEC	CT NO. (if
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	SON BOULEVARD, ROOM 4		1				
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8. NAME AND ADDRESS	I, VA 22230		(X)	I QA AMENDM	ENT OF SOLICITATI	ON NO	
8. NAME AND ADDRESS	or CONTRACTOR		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	JA. AMENDI	ENT OF SOLICITATI	ON NO.	
Ravtheon Tech	nical Services Company, Po	olar Services	j	1	•		
7400 South Tu				9B. DATED	(SEE ITEM 11)		<del></del>
	colorado 80112-3938		1	Į			
			<del></del>	10A. MODIF	ICATION OF CONTRA	CT / ORDER	NO.
•		•	x				
					OPP-0	000373	
CODE	FACILITY CODE		1	10B. DATED	(SEE ITEM 13)		
	1	•		1	Novembe	r 1, 199	9
	11. THIS ITEM	ONLY APPLIES TO A	MENDME	NTS OF SOLI		<del></del>	
The above number	bered solicitation is amended	as set forth in I	tem 14	. The hou	r and date speci	fied for	receipt of Offers
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12. ACCOUNTING AND	APPROPRIATION DATA (If required	()					
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		E CONTRACT/ORDER N					
B. THE ABOVI appropriatio etc.)	SET FORTH IN ITEM 14, PURSUANT T	ODIFIED TO REFLECT	THE AD	MINISTRATIVE			_ · · · · · · · · · · · · · · · · · · ·
C. THIS SUPP	LEMENTAL AGREEMENT IS ENTERED IN	VTO PURSUANT TO AUTHO	ORITY O	F:			
					· <del></del>		
X D. OTHER (Sp.	ecify type of modification and a	FAR Clause	52.2	232-22			
E. IMPORTANT: Con office.	tractor X is not,	is required to	sign tl	his documen	t and return	copies	s to issuing
	AMENDMENT / MODIFICATION (Organ	ized by UCF section	heading	s, includin	g solicitation /	contract si	bject matter where
feasible.)							
	•						
see attached	-						
						•	
				* *			
	herein, all terms and condition	s of the document re	ference	ed in Item 9	A and 10A, as her	etofore cha	inged, remains
	OF SIGNER (Type of print)		16A.	NAME AND TIT	TLE OF CONTRACTING	OFFICER /	Type or print)
		•	1				
			1	Patricia	S. Williams;	Contrac	ting Officer
15B. CONTRACTOR / C	FFEROR	15C. DATE SIGNED	16B.		TES OF AMERICA	COMELAC	16C. DATE SIGNED
			1, 74		/ <u> </u>		
À	·		Yas	lucios N u	lleams		711/03
(Signature of	person authorized to sign)	1	1	(Signature o	f Contracting Off	icerl	

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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The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds, and make a correction to the total funds allotted to FY02 SPSM activities. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

 01020200-5140-02XX-2542
 Increase: \$18,000,000

 01020000-5281-05XX-2542
 Increase: \$256,238

 01020200-6109-02XX-2542
 Increase: \$1,000,000

 01020000-V120-0103-2542
 Increase: \$483,486

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

( Element)	Experie	Adjustments	WWW.Moi.2251Vi	ANTE SUBBLE LES
Est. Cost	\$427,344,627	\$0	\$19,178,746	\$446,523,373
Billable Fee				
Award & Base Fees		L	·	· ·
Total Allotted			1	

It is estimated that these funds will be sufficient for the performance of work through August 2003.

Funds in the amount of \$256,238 are provided for IceCube Research and Development project related activities identified in the FY 2003 Program Plan at WBS R-PS31-222B81 only. Funds allotted to these project activities shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other project activities to support IceCube Research and Development project work, per authority F5.6 of this contract. Total funding allotted to IceCube Research and Development activities identified herein is \$1,324,838.

Funds in the amount of \$483,486 are provided for NASA's Long Duration Balloon (LDB) project related activities identified in the FY 2003 Program Plan at WBS R-PS35-245F39 only. Funds allotted to these project activities shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other project activities to support NASA's Long Duration Balloon project work, per authority F5.6 of this contract. Total funding allotted to LDB activities identified herein is \$483,486.

3. A calculation error resulted in an incorrect total of funds available for FY02 SPSM activities in Modification No. Sixteen, Item No. 1, 5th paragraph. This total did not take into account the \$500,000 reduction per Modification No. Eleven. The total amount of funds allotted to FY02 SPSM activities is hereby changed to \$8,771,700.

AMENDME	NT OF SOLICITATION/MOD	DIFICATION OF CO	NTRACT	1	. CONTRACT ID C	ODE	PAGE OF F	
AMENDMENT / MODIFIC	CATION NO.	3. EFFECTIVE DATE	4. REQUISITI	ION / PURCI	HASE REQ NO.	5. PROJE	CT NO. (if applicat	
Twent	ty-three (023)	per Block 16c		OPP-0350	188			
UED BY	<del></del>	per Block 100	<del></del>		other than Item 6)	1		
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	ENCE FOUNDATION	<b>0</b> 1111						
,	RACTS BRANCH, SECTI							
	BOULEVARD, ROOM 47	5					-	
ARLINGTON, V		<del></del>	<del> </del>		·			
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7400 South Tucsor			9B. [	DATED (SEE	TEM 11)	······································		
Centennial, Colorad	do 80112-3938							
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DE	PACILITY CODE		108.	DATED (SEE		oor 1 1000	3	
	11. THIS ITEM	ONLY APPLIES TO AME	NDMENTS OF	SOLICITA	TIONS	per 1, 1999	<b>9</b>	<del></del>
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and the second s	e receipt of this document prior to t		•					
	5, and returning copies of the							
parate letter or telegram	which includes a reference to the solici	itation and amendment num	bers. FAILURE	OF YOUR A	CKNOWLEDGME	NT TO BE RE	ECEIVED AT THE	PL
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STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-5140-02XX-2542	Increase: \$25,000,000
01020300-5111-02XX-2542	Increase: \$ 10,000
01020300-5115-02XX-2542	Increase: \$ 43,400
01020300-5112-02XX-2542	Increase: \$ 112,940
01020000-5281-05XX-2542	Increase: \$ 2,729,300

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 23	Subtotals
Est. Cost	\$446,523,373	\$0	\$27,102,881	\$473,626,254
Billable Fee		I	T	
Award & Base Fees				
Total Allotted				

It is estimated that these funds will be sufficient for the performance of work through October 2003.

Funds in the amount of \$289,800 are provided for the IceCube Research and Development project for the activities identified in the FY 2003 Program Plan at WBS R-PS31-222B81 only. Funds allotted to these project activities shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other contract activities to support IceCube Research and Development project work, per the authority at Section F5.6 of this contract. FY 2003 funding for the IceCube Research and Development project totals \$1,614,638.

Funds in the amount of \$2,439,500 are provided for the IceCube Research and Development project for the activities identified in the draft FY 2004 Program Plan at WBS R-PS46-260H00 through WBS R-PS46-H260H04, and WBS R-PS46-261H01 through WBS R-PS46-261H06. These funds may be reprogrammed in accordance with Section F5.6 of this contract among the aforementioned FY 2004 IceCube Research and Development project sub-WBS's. However, funds allotted to these project activities shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other contract activities to support IceCube Research and Development project work, per the authority at Section F5.6 of this contract. FY 2004 funding for the IceCube Research and Development project totals \$2,439,500.

Total funding allotted to the IceCube Research and Development activities identified herein is \$4,054,138.

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(Signature of Contracting Officer)

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA

FAR (48 CFR) 53.243

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020100-5205-02XX-2542	Increase: \$1,151,107
01020300-5130-02XX-2542	Increase: \$ 37,001
01020300-5112-02XX-2542	Increase: \$ 10,962
01020300-5111-02XX-2542	Increase: \$ 1,227
02000000-9170-02XX-2542	Increase: \$ 250,000
01020200-5140-0103-2542	Increase: \$2,620,000
01020200-5140-0102-2542	Increase: \$2,000,000
01020200-5140-02XX-2542	Increase: \$1.302,127

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments.	Mod 24	Subtotals
Est. Cost	<b>\$</b> 473,626,254	\$0	\$7,156,781	\$480,783,035
Billable Fee	<u>'</u>		<u>.</u>	
Award & Base Fees				•
Total Allotted			1	<b>1</b>

It is estimated that these funds are sufficient for the performance of work through October 2003.

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E. IMPORTANT: Contractor is not, is required to sign this document and return copies to issuing office.  14. DESCRIPTION OF AMENDMENT / MODIFICATION (Organized by UCF section headings, including solicitation / contract subject matter feasible.)  See attached  Except as provided herein, all terms and conditions of the document referenced in Item 9A and 10A, as heretofore changed, remain unchanged and in full force and effect.  15A. NAME AND TITLE OF SIGNER (Type of print)  Bart Bridwell; Contracting Officer  15B. CONTRACTOR / OFFEROR  15C. DATE SIGNED  16B. UNITED STATES OF AMERICA  16C. DATE	X  B. THE ABOVE NUMBERED CONTRACT/ORDER IS MO appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT T C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED IN	O THE AUTHORITY OF F TO PURSUANT TO AUTHO	AR 43.1	03 (b) .	CHANGES (such a	s changes	in paying office,
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ISN 7540-01-152-8070 30-105 STANDARD FORM 30 (REV. 1) REVIOUS EDITION UNUSABLE Prescribed by GSA	Except as provided herein, all terms and conditions unchanged and in full force and effect.  15A. NAME AND TITLE OF SIGNER (Type of print)  15B. CONTRACTOR / OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16A.	Bart Bri	A and 10A, as here the of contracting dwell; Contracting TES OF AMERICA	otofore charactery Officer)	anged, remains  (Type or print)  Eficer  16C. DATE SIGNED

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-5140-02XX-2542

Increase: \$50,000,000

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 25	Subtotals
Est. Cost	\$480,783,035	\$0	\$48,579,062	\$529,362,097
Billable Fee			<b>]</b>	
	· · · · · · · · · · · · · · · · · · ·	•	•	
Award & Base Fees		<b>L</b>	<b>L</b>	
Total Allotted		<b>.</b>	l	

It is estimated that these funds will be sufficient for the performance of work through January 2004.

AMENDMENT OF SOLICITATION	MODIFICATION	OF CONTRACT	1. CONTRACT ID CO	DE	PAGE	OF PAGE
2. AMENDMENT/MODIFICAITON NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCH	ASE REQ. NO.	5. PROJEC	T NO. (If ap	2 plicble)
ัฐาnty-Six (026)	See Block 16c	N/A	* * * * * * * * * * * * * * * * * * *	}		
JED BY CODE		7. ADMINISTERED BY (I	fother than Item 6)	CODE	1	<del></del>
reational Science Foundation						<del></del>
Division of Acquisition and Cost Support						
4201 Wilson Boulevard, Room 475						
Arlington, VA 22230						
8. NAME AND ADDRESS OF CONTRACTOR (No., street, cou	unty, State and ZIP Code)	<u> </u>	(X) 9A. AMENDMEN	IT OF SOLICI	ATION NO.	
			<del>                                     </del>			
Raytheon Technical Services Company, Polar Services			9B. DATED (SEE	ITEM 11)		
7400 South Tucson Way			A MARVETON	**************************************	U <del>zn (                                   </del>	055 110
Centennial, Colorado 80112-3938			10A. MODIFICA	TION OF CO		
			10B. DATED (SE	E ITEM 11)		PP-000037
		v e	X TOB. DATED (SE			
CODE FA	CILITY CODE		November 1,	1999		
11. THIS ITEM	M ONLY APPLIES TO	AMENDMENTS OF	SOLICITATIONS			
13. THIS ITEM OF IT MODIFIES 1  CHECK ONE A. THIS CHANGE ORDER IS ISSUED PURS NO. IN ITEM 10A.	THE CONTRACT/ORI	ODIFICATION OF CO DER NO. AS DESCRI Y) THE CHANGES SET FORT	BED IN ITEM 14.		INTRACT O	RDER
B. THE ABOVE NUMBERED CONTRACT/C appropriation date, etc.) SET FORTH IN C. THIS SUPPLEMENTAL AGREEMENT IS	I ITEM 14, PURSUANT TO T	THE AUTHORITY OF FAR 43		anges in payi	ing office,	
D. OTHER (Specify type of modification an	d authority)				·	
		nis document and retu			e issuing	office.
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organ	ized by UCF section heading	gs, including solicitation/cont	ract subject matter whe	re feasible.)		
see attached						
Except as provided herein, all terms and conditions of the do- 15A. NAME AND TITLE OF SIGNER (Type or print)	cument referenced in Item 9	A or 10A, as heretofore cha 16A. NAME AND TITLE OF	<u> </u>			fect.
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		Bart Bridwell, Contractir	ng Officer			
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	1.6B. UNITED STATES OF	MERICA	<del></del>		ATE SIGNE
		1527/7	releval		121-	27/04
(Signature of person authorized to sign)	<del></del> 1	(Signature	e of Contracting Officer)		-1 76	*1154

The purpose of this modification to NSF Contract No. OPP-0000373 is to formalize the award fee adjustment for Contract Year No. Three. Accordingly, the contract is hereby modified as follows:

 Section B3, Award Fee Schedule, is revised as follows to reflect the award fee score of Contract Year No. Three:

Period	Fee Bearing Cost	Base Fee	Maximum Award Fee	Award Fee Earned
April 1, 2002 through March 31,	· · · · · · · · · · · · · · · · · · ·			
2003 (all WBS's)				

2. Section B5, Contract Funding, is revised to formalize the award fee adjustment for Contract Year Three as follows:

Element	Existing	Adjustments	Mod 26	Subtotals
Est. Cost	\$529,362,097	-\$937,787	\$0	\$528,424,310
Billable Fee	1	• • • • • • • • • • • • • • • • • • •	ı	
Award & Base Fees				
Total Allotted				

2. AMFNDMEN	Diviciti Si OCCIONITATION	I/MODIFICATION	OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAG
	IT/MODIFICATION NO.	3. EFFECTIVE DATE	4, REQUISITION/PURCHA	ASE REQ. NO. 5. PRO	OJECT NO. (If applicable)
11y 30 10		See Block 16c	OPP-0427250		
'ED BY	CODE	Coo Block 100	7. ADMINISTERED BY (IF		
al Scie	nce Foundation		7		
	equisition and Cost Support				
	Boulevard, Room 475	•	j		
Arlington, VA	ADDRESS OF CONTRACTOR (No., street, or	nunty State and ZIP Code)		(X) 9A. AMENDMENT OF SO	OLICIATION NO
). NAIVIE AND	ADDRESS OF CONTINCTON (No., shoat, or	ourky, Otale and Eli Godo,		(X) JOH: AIMENDINETY OF OR	ocion flott 110,
Raytheon Tec	chnical Services Company, Polar Servi	ces		9B. DATED (SEE ITEM 1	1)
7400 South Ti	ucson Wav				·
	olorado 80112-3938			10A. MODIFICATION OF	F CONTRACT/ORDER NO.
zorneriinar, O	0.0.000			10B. DATED (SEE ITEM	OPP-0000373
				X TOB. DATED (SEE ITEM	117
CODE	TE	ACILITY CODE		November 1, 1999	
		M ONLY APPLIES TO	AMENDMENTS OF		
? ACCOUNTI		ONLY APPLIES TO MO			
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The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds and increase the value of the contract. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-5140-02XX-2542 01020200-1296-05XX-2542 Increase: \$30,000,000 Increase: \$15,000,000

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Elemenu	Existing	Adjustments	Mgd 27	Subtotals
Est. Cost	\$528,424,310	\$0	\$43,721,156	\$572,145,466
Billable Fee			<b>!</b>	
Award & Base Fees		<b>-</b>	<u> </u>	
Total Allotted		l	<b>!</b>	<b>.</b>

It is estimated that these funds will be sufficient for the performance of work through May 2004.

Funds in the amount of \$15,000,000 are provided for South Pole Station Modernization project. These funds may be reprogrammed in accordance with Section F5.6 of this contract among the projects identified in WBS R-PS44-29 and all subordinate WBSs of the FY 2004 Program Plan. However, funds allocated to the South Pole Station Modernization project shall not be reprogrammed to support other contract activities, nor shall funds be reprogrammed from other contract activities to support South Pole Station Modernization project work, per the authority of Section F5.6 of this contract. Total funding allotted to South Pole Station Modernization project in FY 2004 is \$15,000,000. Total funding allotted to the South Pole Modernization project is \$50,704,190.

3. The total value of this contract is hereby increased to \$591,530,016, per the authority of Section B1 of this contract.

	SOLICITATION	/MODIFICATION (	OF CONTRACT	1. CONTRACT ID CO	DE I	AGE OF PAG
2 AMENDMENT/MODIFICATION		3. EFFECTIVE DATE	4. REQUISITION/PURCHA	ASE BEO NO	5. PROJECT N	1 2
-Eight (028)	·· <del>···</del>	i .	1	SOL FILM, INU.	J. FRUDEUI N	o. (म् applicble)
DBY	CODE	See Block 16c	OPP-0440581 7. ADMINISTERED BY (If	other than Item 6)	CODE T	
		<u> </u>	- ADMINISTERED BY (II	other than (terri O)	LODE	
National Science Foundation				N.		
Division of Acquisition and Co	ist Support					
4201 Wilson Boulevard, Roon	n 475		•			
Arlington, VA 22230	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
B. NAME AND ADDRESS OF CON	TRACTOR (No., street, co	ounty, State and ZIP Code)		(X) 9A. AMENDMEN	T OF SOLICIATI	ON NO.
					•	
Raytheon Technical Services	Company Polar Service	:es	*	9B. DATED (SEE	ITEM 111	
- <b>-</b>	Company, I diai Corrie			BB. DATED (SEE	HEWITT	
400 South Tucson Way				10A. MODIFICA	TION OF CONTR	ACT/ORDER NO
Centennial, Colorado 80112-3	3938			OPP-0000		, to the Entitle.
			į.	X 10B. DATED (SE		
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CODE	FA	ACILITY CODE		November 1	, 19 <b>99</b>	
	11. THIS ITE	M ONLY APPLIES TO	AMENDMENTS OF	SOLICITATIONS	<del>"</del>	
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The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional fund, increase the value of the contract, add Mr. Louis DeMaria as the Chief of Operations and South Pole Redevelopment Manager, and delete the section entitled "Utility Aircraft." Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020200-5140-02XX-2542 01020200-5146-02XX-2542 Increase: \$25,000,000 Increase: \$10,000,000

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 28	Subtotals
Est. Cost	\$572,145,466	\$0	\$34,005,344	\$606,150,810
Billable Fee	<del></del>	• • • • • • • • • • • • • • • • • • •		
Award & Base Fees		• • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	
Total Allotted			1	

It is estimated that these funds will be sufficient for the performance of work through September 2004.

- 3. The total value of this contract is hereby increased to \$626,530,016 per the authority of Section B1 of this contract.
- 4. Revise Section H2, "Key Personnel," to add as the Chief of Operations and South Pole Redevelopment Manager. Section H2 will now read as follows:

Title/Position	Individual	% of Labor Effort
Program Manager		100%
Director, Science Support		100%
Chief of Operations and South Pole Redevelopment		
Project Manager		100%
Director, Logistics	•	100%
Information Systems Executive		100%
Facilities Engineering and Construction Executive		100%
Director, Operations	*.	100%

5. Delete Section C7.4.6.7.1, "Utility Aircraft," in its entirety and reserve for future use per the authority of the "Changes" clause.

AMENDMENT OF SOLICITATION	/MODIFICATION	OF CONTRACT	1. CONTRACT ID COL	PAGE OF PAGE
2. AMENDMENT/MODIFICAITON NO.	3. EFFECTIVE DATE	I4. REQUISITION/PURCHA	SE REO. NO.	TE PROJECT NO (15 and 14 )
	<b>+</b>	1	SE NEW. (NO.	5. PROJECT NO. (If applicable)
venty-Nine (029)	see Item 16c	not applicable		<u></u>
ED BY CODE	L	7. ADMINISTERED BY (If	other than Item 6)	CODE
ial Science Foundation				
ivision of Contracts and Complex Agreements			•	
201 Wilson Boulevard, Room 475				
rlington, VA 22230				
NAME AND ADDRESS OF CONTRACTOR (No., street, co	ounty, State and ZIP Code)		(X) 9A. AMENDMENT	OF SOLICIATION NO.
aytheon Technical Services Company, Polar Servic	es		1	
100 South Tucson Way			9B. DATED (SEE I	TEM 11)
entennial, Colorado 80112-3938		4		
	÷	*.	10A. MODIFICAT	ION OF CONTRACT/ORDER NO.
			· L	OPP-000037
			X 10B. DATED (SEE	ITEM 11)
ODE FA	ACILITY CODE		November 1,	1999
	<u> </u>	AMENDMENTS OF	OLICITATIONS	<del></del>
<u>a de la companya de</u>				
ACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR ur desire to change an offer already submitted, such chan lendment, and is received prior to the opening hour and do . ACCOUNTING AND APPROPIRATION DATA (If required	ge may be made by telegran ate specified.			
applicable				<del></del>
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B. THE ABOVE NUMBERED CONTRACT/C appropriation date, etc.) SET FORTH IN				nges in paying office,
C. THIS SUPPLEMENTAL AGREEMENT IS	ENTERED INTO PURSUANT	TO AUTHORITY OF:	<del></del>	<del></del>
			4.	
D. OTHER (Specify type of modification ar	nd authority)	<del></del>	<del></del>	<del></del>
X FAR 52.217-9 "Option to Extend to		(MAR 1989)		
	<del></del>			
		nis document and retu		ies to the issuing office.
DESCRIPTION OF AMENDMENT/MODIFICATION (Organ	nized by UCF section heading	s, including solicitation/contra	ect subject matter where	feasible.)
e attached				
				•
cept as provided herein, all terms and conditions of the do	ocument referenced in Item 9	A or 10A, as heretofore chan	ged, remains unchanged	and in full force and effect.
A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF		
- S				
		Bart Bridwell; Contractir	g Officer	
CONTRACTOR/OFFEROR	115C. DATE SIGNED	MEB. UNITED STATES OF A	<u> </u>	116C. DATE SIGNED
5B. CONTRACTOR/OFFEROR	TOO. DATE GIGHED	1 < \ < ·		) So. DATE STORES
		1 _ <u></u>	Devell_	
(Signature of person authorized to sign)	<b>.</b>	(Signature	of Contracting Officer)	9/23/04

The purpose of this modification to NSF Contract No. OPP-0000373 is to exercise the Government's option to extend the contract's performance period. Accordingly, the contract is hereby modified as follows:

- 1. Per Section F1, FAR Clause 52.217-9, the Government hereby exercises its option to extend the contract's period of performance. This contract, as modified, expires March 31, 2010.
- 2. As a result, the total value of the contract is increased by \$545,913,111, from \$626,530,016 to \$1,172,443,127.

AMEN	MENT OF SOLICITATION/	MODIFICATION	OF CONTRACT	1.0	CONTRACT ID COD	E	PAGE	OF PAGES
2. AMENDMENT	T/MODIFICAITON NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCH	ASE R	EQ. NO.	5. PROJECT	NO. (If an	plicble)
tv (030)		see Item 16c	·		OPP-0455188		•	
D BY	CODE		7. ADMINISTERED BY (I	f other		CODE	<del>T</del>	
Ixial Scier	nce Foundation		<b>-</b>				l	·
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Arlington, VA				1.00	IOA AMENIDAGUE	OF 400 1014	71011110	
-	ADDRESS OF CONTRACTOR (No., street, cou			(X)	9A. AMENDMENT	OF SOLICIA	TION NO.	
Raytheon Tecl	hnical Services Company, Polar Service	)S						
7400 South Tu	ıcson Way				9B. DATED (SEE I	TEM 11)	•	
Contonnial Co	plarada 80112 3038	•						
Centenniai, Ct	olorado 80112-3938		*		10A. MODIFICATI	ON OF CON	TRACT/O	RDER NO.
				İ			0	PP-0000373
				l <sub>x</sub>	10B. DATED (SEE	ITEM 11)		<del></del>
				]				
CODE		CILITY CODE			November 1,	1999		
	11. THIS ITEM	ONLY APPLIES TO	AMENDMENTS OF	SOL	CITATIONS			
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Х	appropriation date, etc.) SET FORTH IN  C. THIS SUPPLEMENTAL AGREEMENT IS I			.103(Б	).			
	D. OTHER (Specify type of modification and	d authority)	· · · · · · · · · · · · · · · · · · ·			T		
X	FAR Clause 52.232-22					2		
E. IMPORTA	ANT: Contractor X is not,	is required to sign th	nis document and ret	ırn -	сор	ies to the	issuing	office.
14. DESCRIPTION	ON OF AMENDMENT/MODIFICATION (Organi	ized by UCF section heading	s, including solicitation/cont	ract su	bject matter where	feasible.)	·	<del></del>
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see attached								
•								
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Event or	ded herein, all terms and conditions of the do	nument referenced in Item 0	Δ or 10Δ as heretofore obs	ngad .	remains unchanced	and in full 6	rce and el	ifect.
	ID TITLE OF SIGNER (Type or print)	Samuel tolerand at item 8	16A. NAME AND TITLE OF					
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			Bart Bridwell, Contract	ing Ol	ficer			
15B, CONTRAC	TOR/OFFEROR	15C. DATE SIGNED	68. UNITED STATES OF	AMERI	CA		16C. E	DATE SIGNED
			Wate In	`cli	ul		SEP	28 2007
(Sie	gnature of person authorized to sign)		(Signatur	e of Co	ontracting Officer)		-  ~ -'	*

The purpose of this modification to NSF Contract No. OPP-0000373 is to make an administrative change, provide additional funding, correct an error in Modification No. Fourteen (014), and revise the date for receipt of the FY 2005 draft program plan. Accordingly, the contract is hereby modified as follows:

1. In Block 5 of the contract cover page (SF 26) and elsewhere within the contract where the issuing contracting activity is identified, the text is revised to read as follows:

National Science Foundation Division of Contracts and Complex Agreements 4201 Wilson Boulevard, Room 475 Arlington, VA 22230

2. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

01020000-V749-0104-2542	Increas	e: \$	268,000
01020000-V610-0104-2542	Increas	e: \$	47,985
01020000-V761-0104-2542	Increas	e: \$	3,382,022
01020000-V598-0104-2542	Increas	e: \$	48,436
01020100-5205-02XX-2542	Increas	e: \$	299,9 <b>99</b>
01020200-1296-05XX-2542	Increas	e: \$	1,100,000
01020300-5130-02XX-2542	Increas	e: \$	487,230
01020300-5112-02XX-2542	Increas	e: \$	10,742
01020300-5116-02XX-2542	Increas	e: \$	12,459
01020300-5111-02XX-2542	Increas	e: \$	18,628
01020300-5113-02XX-2542	Increas	e: \$	1,282
01020300-5115-02XX-2542	Increas	e: \$	14,065
01020200-5140-02XX-2542	Increas	ə: \$	20,000,000

3. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 30	Subtotals
Est. Cost	\$606,150,810	\$0	\$24,960,746	\$631,111,556
Billable Fee	 			. 1
Award & Base Fees			· · · · · · · · · · · · · · · · · · ·	
Total Allotted				

It is estimated that these funds will be sufficient for the performance of work through October 2004.

Funds in the amount of \$268,000 are provided for the project titled *Expansion of Efforts for the Collection of Meteorites in Antarctica* (ANSMET II) as identified in the FY 2004 Program Plan at WBS R-PS41-223B91. Funds allotted to this project **shall not** be reprogrammed to support other contract activities, **nor shall** funds be reprogrammed from other project activities to support the *Expansion of Efforts for the Collection of Meteorites in Antarctica* project, per authority of Section F5.6. Funding allotted to this project totals \$268,000. These funds are available for reimbursement of expenses through September 30, 2009.

By OPP-0000373.M14, Item No. 3, \$114,240 was provided for Comprehensive Test Ban Treaty (CTBT) activities as identified at the FY 2003 Program Plan WBS R-PS31-221B71. This is incorrect. The correct WBS is FY 2003 Program Plan WBS R-PS31-221B73. Accordingly, in the third paragraph of OPP-0000373.M14, Item No. 3, the term WBS R-PS31-221B71 is revised to read WBS R-PS31-221B73. These funds are available for reimbursement of expenses through September 30, 2008. This revision is effective September 27, 2002.

Funds in the amount of \$85,240 for Comprehensive Test Ban Treaty activities provided by Modification No. Fourteen are re-allotted to Comprehensive Test Ban Treaty activities as described at FY 2004 Program Plan WBS R-PS45-246F57. Total funding for FY 2003 CTBT activities is reduced to \$29,000. These funds remain available for reimbursement of expenses through September 30, 2008.

Funds in the amount of \$47,985 are made available for the project titled *Palmer Facility for the International Monitoring Station* as identified in the FY 2004 Program Plan at WBS R-PS45-246F57. Funds allotted to this project **shall not** be reprogrammed to support other contract activities, **nor shall** funds be reprogrammed from other project activities to support this project, per authority of Section F5.6. FY 2004 funding allotted to this project totals \$47,985. These funds are available for reimbursement of expenses through September 30, 2009. Funding allotted to this project totals \$133,225.

Funds in the amount of \$3,382,022 are made available for the project titled *Balloon Launch Support* in *Antarctica* for project activities in FY 2004 through FY 2006. The FY 2004 Program Plan WBS is R-PS45-245F66. The Contracting Officer's Technical Representative will identify the FY 2005 and FY 2006 Program Plan WBS for this project at a later date. Funds allotted to this project **shall not** be reprogrammed to support other contract activities, **nor shall** funds be reprogrammed from other project activities to support this project, per authority of Section F5.6. Funding allotted to this project totals \$3,382,022. These funds are available for reimbursement of expenses through September 30, 2009.

Funds in the amount of \$48,436 are made available for the project titled EOS AQUA AMSR-E for partial support of the project activities as identified in the FY 2004 Program Plan at WBS R-PS41-220B64. These funds **shall not** be reprogrammed to support other contract activities per authority of Section F5.6. These funds are available for reimbursement of expenses through September 30, 2009.

Funds in the amount of \$1,100,000 are made available for South Pole Station Modernization (SPSM) project activities as described in the FY 2004 Program Plan at WBS R-PS44-29 and all subordinate WBSs. Funds allotted to this project **shall not** be reprogrammed to support other contract activities, **nor shall** funds be reprogrammed from other project activities to support SPSM, per authority of Section F5.6. Total funding allotted to SPSM in FY 2004 is \$16,100,000. Total funding allotted to SPSM is \$51,804,190. These funds are available until deobligated for reimbursement of expenses.

4. In Section F10, Schedule of Contract Deliverables, Paragraph F10.1 is deleted in its entirety and revised to read as follows:

F10.1 The following schedule identifies the deliverables required by this contract. Other deliverables may be required by the Program Plan or other written documentation. Reporting format shall be developed by the Contractor and approved by NSF.

F10.1.x	ltem	No.	Date	Notes
F10.1.1	Draft Program Plan for Period One	12	July 31, 2000	(1)(9)
F10.1.2	Final Program Plan for Period One	12	September 15, 2000	(1)

F10.1.x	Item	No.	Date	Notes
F10.1.3	Quarterly Technical & Monthly Financial Reports	12	January 15, 2000	(2)(3)(4)
F10.1.4	After Operations Report	12	April 30, 2001	(1)
F10.1.5	Long-Range Plan for Period Two through Six	12	July 31, 2000	(1)
F10.1.6	Management Manuals	12	November 1, 2001	(5)
F10.1.7	Annual Report for the USAP Master Permit	12	July 31, 2000	(1)(6)
F10.1.8	Property Inventories			(7)
F10.1.9	Draft USAP IT Enterprise Strategic Plan	4	24 mon after K award	
F10.1.10	Final USAP IT Enterprise Strategic Plan	4	30 mon after K award	(8)
F10.1.11	USAP Business Enterprise Strategic Plan	4	24 mon after K award	
F10.1.12	USAP Information Architecture Study	4	24 mon after K award	
F10.1.13	USAP Mission Oper & Mgmt Sys Re-design Study	4	12 mon after K award	
F10.1.14	USAP IT Sys Life Cycle Mgmt Plan	4	14 mon after K award	
F10.1.15	USAP Technology Architecture Plan	4	18 mon after K award	
F10.1.16	USAP IT Enterprise Long-Range Implementation PI	4	18 mon after K award	(1)
F10.1.17	Technology Trends Assessment	4	14 mon after K award	(1)
F10.1.18	Helicopter External Load Gear Test and Inspection Plan	4	November 22, 2004	
F10.1.19	Property Acquired by Assignable Lease	1	October 15, 2003	(1)

Note (1): Annually thereafter

Note (2) Technical Reports Quarterly thereafter except in the quarter the After-Operations report is due

Note (3): Financial Reports Monthly thereafter

Note (4): Financial Reports to be submitted electronically

Note (5): Reviewed and changes submitted annually

Note (6): To be submitted electronically and available on World Wide Web

Note (7): Per this contract's Property Reporting clause

Note (8): Bi-annually thereafter

Note (9): The FY 2005 Draft Program Plan is due August 27, 2004

AMENDMENT OF SOLICITATION	I/MODIFICATION	OF CONTRACT	1. CONTRACT ID COD	E PAGE OF PAGES
2. AMENDMENT/MODIFICAITON NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCH	ASE REQ. NO.	5. PROJECT NO. (If applicble)
√ 'v-One (031)	see Item 16c		OPP-0457059	
JED BY CODE		7. ADMINISTERED BY (I	other than Item 6)	CODE
National Science Foundation				<del></del>
Division of Contracts and Complex Agreements				
4201 Wilson Boulevard, Room 475				
Arlington, VA 22230			4.	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, or	ounty, State and ZIP Code)	<del></del>	(X) 9A. AMENDMENT	OF SOLICIATION NO.
Raytheon Technical Services Company, Polar Servi	ces			
7400 South Tucson Way			98. DATED (SEE IT	(EM 11)
Centennial, Colorado 80112-3938				
			10A. MODIFICATI	ON OF CONTRACT/ORDER NO.
			10B. DATED (SEE	OPP-0000373
		• ,	X TOB. DATED (SEE	TI EIVI TT
CODE	ACILITY CODE		November 1,	1999
11. THIS ITE	M ONLY APPLIES TO	AMENDMENTS OF	SOLICITATIONS	
or (c) By separate letter or telegram which includes a refer PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR your desire to change an offer already submitted, such cha amendment, and is received prior to the opening hour and	R TO THE HOUR AND DATE S inge may be made by telegran	SPECIFIED MAY RESULT IN I	REJECTION OF YOUR OFF	ER. If by virtue of this amendment
12. ACCOUNTING AND APPROPIRATION DATA (If require	od)			
13. THIS ITEM	ONLY APPLIES TO MO	ODIFICATION OF CO	NTRACTS/ORDERS	
CHECK ONE A. THIS CHANGE ORDER IS ISSUED PUR				IN THE CONTRACT ORDER
NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT appropriation date, etc.) SET FORTH				ges in paying office,
C. THIS SUPPLEMENTAL AGREEMENT I	S ENTERED INTO PURSUANT	TO AUTHORITY OF:		
D. OTHER (Specify type of modification a	and authority)		<del></del>	
1711 012000 02.202 22			<del> </del>	
E. IMPORTANT: Contractor X is not,	is required to sign th	nis document and reti	ırn ——— cop	ies to the issuing office.
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Orga	nized by UCF section heading	gs, including solicitation/cont	ract subject matter where	feasible.)
see attached				
see attached				
· ·				
Except as provided herein, all terms and conditions of the o	locument referenced in item 9		<del></del>	
154 NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF	CONTRACTING OFFICER	(Type or print)
		Bart Bridwell, Contract	ng Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	168. UNITED STATES OF		16C. DATE SIGNED
		I Sant Su	le el	
(Signature of person authorized to sign)		(Signature	of Contracting Officer)	SEP 3 0

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

 01020200-V859-0104-2542
 Increase: \$ 5,820

 01020300-5111-02XX-2542
 Increase: \$ 5,079

 01020300-5115-02XX-2542
 Increase: \$ 136

 01020200-5140-02XX-2542
 Increase: \$10,762,577

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 31	Subtotals
Est. Cost	\$631,111,556	\$0	\$10,467,439	\$641,578,995
Billable Fee			<b>!</b> -	
Award & Base Fees				
Total Allotted	<u>'</u>			

It is estimated that these funds are sufficient for the performance of work through mid-November 2004.

Funds in the amount of \$5,820 are made available for the project titled *Weddell Sea Ship Time* (NOAA CORC/Arches Program) for partial support of the project activities as identified in the FY 2004 Program Plan at WBS R-PS41-220B64. These funds **shall not** be reprogrammed to support other contract activities per authority of Section F5.6. These funds are available for reimbursement of expenses through September 30, 2009.

	MENT OF SOLICITATION	/MODIFICATION	OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT	MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCH	ASE REQ. NO. 5. PROJEC	T NO. (If applicable)
*y-Two (032	2)	see Item 16c		OPP-0500537	
QUED BY	CODE		7. ADMINISTERED BY (I	f other than Item 6) CODE	T
Scienc	e Foundation	· · · · · · · · · · · · · · · · · · ·	7		<del></del> _
	tracts and Complex Agreements				
	oulevard, Room 475	•	<b>1</b>		
Arlington, VA 2					
B. NAME AND A	DDRESS OF CONTRACTOR (No., street, co	unty, State and ZIP Code)		(X) 9A. AMENDMENT OF SOLIC	IATION NO.
aytheon Techi	nical Services Company, Polar Service	∋s			
400 South Tuc	son Way			9B. DATED (SEE ITEM 11)	
entennial, Col	orado 80112-3938			104 NODIFICATION OF CO	WTD LOT ODGES NO
				10A. MODIFICATION OF CO	
				100 DATED (SEE ITEM 14)	OPP-0000373
				X 10B. DATED (SEE ITEM 11)	5.
2005		ACILITY CODE	<del></del>	November 1, 1999	
CODE		M ONLY APPLIES TO	AMENDMENTS OF		
	71. 1110111	TOTAL ALLEG TO	,	COLIGITATIONS	
3	G AND APPROPIRATION DATA (If required	i)	<del></del>		
e attached	<u> </u>				
( \		ONLY APPLIES TO MO THE CONTRACT/ORD			
CHECK ONE	<ul> <li>THIS CHANGE ORDER IS ISSUED PUR NO. IN ITEM 10A.</li> </ul>	SUANT TO: (Specify authority	y) THE CHANGES SET FOR	TH IN ITEM 14 ARE MADE IN THE CO	ONTRACT ORDER
	B. THE ABOVE NUMBERED CONTRACT/ appropriation date, etc.) SET FORTH II				ing office,
C	C. THIS SUPPLEMENTAL AGREEMENT IS	ENTERED INTO PURSUANT	TO AUTHORITY OF:		
	O. OTHER (Specify type of modification a	nd authority)	Au .		
X	D. OTHER (Specify type of modification at FAR Clause 52.232-22	nd authority)			
х		nd authority) is required to sign th	nis document and ret	urn copies to the	ne issuing office.
X E. IMPORTA	FAR Clause 52.232-22	is required to sign th			ne issuing office.
X E. IMPORTA	FAR Clause 52.232-22  NT: Contractor X is not,	is required to sign th			ne issuing office.
X E. IMPORTA	FAR Clause 52.232-22  NT: Contractor X is not,	is required to sign th			ne issuing office.
X E. IMPORTA	FAR Clause 52.232-22  NT: Contractor X is not,	is required to sign th			ne issuing office.
X E. IMPORTA	FAR Clause 52.232-22  NT: Contractor X is not,	is required to sign th			ne issuing office.
X E. IMPORTA 4. DESCRIPTIO	FAR Clause 52.232-22  NT: Contractor X is not,	is required to sign th			ne issuing office.
X E. IMPORTA 4. DESCRIPTIO	FAR Clause 52.232-22  NT: Contractor X is not,	is required to sign th			ne issuing office.
X E. IMPORTA	FAR Clause 52.232-22  NT: Contractor X is not,	is required to sign th			ne issuing office.
X E. IMPORTA 14. DESCRIPTIO Description	FAR Clause 52.232-22  NT: Contractor X is not, NOT AMENDMENT/MODIFICATION (Organ	is required to sign th	s, including solicitation/con	tract subject matter where feasible.)	
X E. IMPORTA  14. DESCRIPTIO  ee attached  Except as provid	FAR Clause 52.232-22  NT: Contractor X is not, NOF AMENDMENT/MODIFICATION (Organized Herein, all terms and conditions of the december 2.232-22	is required to sign th	s, including solicitation/cont the solicitation on the solicitation of the solicitatio	tract subject matter where feasible.)	force and effect.
X E. IMPORTA  14. DESCRIPTIO  ee attached  Except as provid	FAR Clause 52.232-22  NT: Contractor X is not, NOT AMENDMENT/MODIFICATION (Organ	is required to sign th	s, including solicitation/cont the solicitation on the solicitation of the solicitatio	tract subject matter where feasible.)	force and effect.
X E. IMPORTA  14. DESCRIPTIO  ee attached  Except as provid	FAR Clause 52.232-22  NT: Contractor X is not, NOF AMENDMENT/MODIFICATION (Organized Herein, all terms and conditions of the december 2.232-22	is required to sign th	s, including solicitation/cont the solicitation on the solicitation of the solicitatio	tract subject matter where feasible.)  anged, remains unchanged and in full	force and effect.
E. IMPORTA  14. DESCRIPTIO  ee attached  Except as provid  15A. NAME AND	FAR Clause 52.232-22  NT: Contractor  is not,  i	is required to sign th	ps, including solicitation/cons PA or 10A, as heretofore cha	tract subject matter where feasible.)  anged, remains unchanged and in full F CONTRACTING OFFICER (Type or p	force and effect.
X E. IMPORTA  14. DESCRIPTIO  ee attached  Except as provid	FAR Clause 52.232-22  NT: Contractor  is not,  i	is required to sign the nized by UCF section heading occument referenced in Item 9	os, including solicitation/consistence of the solicitation of the	tract subject matter where feasible.)  anged, remains unchanged and in full F CONTRACTING OFFICER (Type or p	force and effect. print)

The purpose of this modification to NSF Contract No. OPP-0000373 is to provide additional funds. Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

14000000-5281-05XX-2542 14020000-1296-05XX-2542 14020000-5140-02XX-2542 Increase: \$ 2,492,100 Increase: \$12,556,600 Increase: \$50,000,000

2. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 31	Subtotal <b>s</b>
Est. Cost	\$641,578,995	\$0	\$63,200,097	\$704,779,092
Billable Fee				
Award & Base Fees				
Total Allotted			<b>.</b>	

It is estimated that these funds are sufficient for the performance of work through March 2005.

Funds in the amount of \$12,556,600 are made available for South Pole Station Modernization (SPSM) project activities. The appropriate WBS will be identified upon acceptance of the FY 2005 Program Plan. These funds **shall not** be reprogrammed to support other contract activities, **nor shall** funds be reprogrammed from other projects to support SPSM, per authority of Section F5.6. Total funding allotted to SPSM in FY 2005 is \$12,556,600. Total funding allotted to SPSM is \$64,360,790. These funds are available until deobligated for reimbursement of expenses.

Funds in the amount of \$2,492,100 are made available for IceCube Research and Development project related activities. The appropriate WBS will be identified upon acceptance of the FY 2005 Program Plan. These funds **shall not** be reprogrammed to support other contract activities, **nor shall** funds be reprogrammed from other projects to support IceCube Research and Development project activities, per authority of Section F5.6. Total funding allotted to IceCube project activities in FY 2005 is \$2,492,100. Total funding allotted to IceCube is \$6,546,238. These funds are available until deobligated for reimbursement of expenses.

AMENDMENT OF SOLICITATION/N	MODIFICATION	OF CONTRACT	1. CONTRACT ID COL	P.	AGE OF	PAGES
2. AMENDMENT/MODIFICAITON NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHA	SE REQ. NO.	5. PROJECT NO	O. (If applict	ole)
Thirty-Three (033)	see Item 16c		PRSS-0531503			
SSUED BY CODE		7. ADMINISTERED BY (If	other than Item 6)	CODE		<del></del>
I Science Foundation		7		<b></b>		•
L on of Contracts and Complex Agreements						
4201 Wilson Boulevard, Room 475		1		* *		
Arlington, VA 22230  8. NAME AND ADDRESS OF CONTRACTOR (No., street, coun	sty State and ZIP Code)	<del></del>	(X) 9A. AMENDMENT	OF SOLICIATIO	ON NO	
Raytheon Technical Services Company, Polar Services	•		(X) 9A. AMENDMENT	OF BOLICIATI	DIV NO.	
7400 South Tucson Way			9B. DATED (SEE	TEM 11)		
Centennial, Colorado 80112-3938			10A. MODIFICAT	ION OF CONTR	ACT/ODDER	2 NO
			TOA. WIODIFICAT	ION OF COMIN		1 NO. 0000373
			10B. DATED (SEE	ITEM 11)	1100-1	
			X TOB. DATED (SEE	•		
CODE FAC	ILITY CODE		November 1,	1999		-
	ONLY APPLIES TO	AMENDMENTS OF	SOLICITATIONS			<del></del>
	HE CONTRACT/ORI	LECT THE ADMINISTRATIVE	BED IN ITEM 14. H IN ITEM 14 ARE MAD CHANGES (such as cha	E IN THE CONTI		R
C. THIS SUPPLEMENTAL AGREEMENT IS EL						
D. OTHER (Specify type of modification and FAR Clause 52.232-22	authority)					
E. IMPORTANT: Contractor X is not, is	s required to sign th	nis document and retu	ırn ——— co	oies to the i	ssuing of	ffice.
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organiz	ed by UCF section heading	s, including solicitation/contr	act subject matter where	feasible.)	· · · · · · · · · · · · · · · · · · ·	
		•	-	,		
see attached						
	•					
			•			
Except as provided herein, all terms and conditions of the doc	ument referenced in Item 0	A or 104 as heretofore cha-	nged remains unchange	f and in full forc	e and effect	
15A, NAME AND TITLE OF SIGNER (Type or print)	amont referenced in Item 8	16A. NAME AND TITLE OF				· ·
The state of the s			•			
		Bart Bridwell, Contraction	ng Officer		• .	
NTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNDIED STATES OF	MERICA Judevel	<del></del>	APR 1	<b>4</b> 2005
(Signature of person authorized to sign)		(Signature	of Contracting Officer)		[""	

The purpose of this modification to NSF Contract No. PRSS-0000373 is to revise the contract number to reflect a change in NSF's internal accounting practice, and provide additional funds. Accordingly, the contract is hereby modified as follows:

- 1. In Block 2 of the contract cover page (SF 26), and elsewhere within this contract where the contract number is identified, delete the text *OPP-0000373* and substitute *PRSS-0000373*.
- 2. In Block 12 of this form (SF 30), add the following accounting and appropriations data:

14020000-5146-02XX-2542 14020000-5140-02XX-2542 Increase: \$10,000,000 Increase: \$40,000,000

3. Section B5, Contract Funding, is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 33	<b>Subtotals</b> \$753,358,154	
Est. Cost	\$704,779,092	\$0	\$48,579,062		
Billable Fee			· · · · · · · · · · · · · · · · · · ·		
Award & Base Fees			<u> </u>	· · · · · · · · · · · · · · · · · · ·	
Total Allotted	<u>'</u>				

It is estimated that these funds are sufficient for the performance of work through August 2005.

OMB#	0990-0115

AMENDMENT OF SOLICITATION/MOD	DIFICATION OF CO	ONTRACT		1. CONTRACT ID	CODE	PAGE OF PAGES	
2. AMENOMENT / MODIFICATION NO.	3. EFFECTIVE DATE	4. REQ	UISITION 7	PURCHASE REQ	5. PROJEC	27 NO. (1f	
Thirty Four(034)	per Block 16c	NO.	PRSS-0	552520	app.icab	ie)	
SSUED BY	<del></del>	7. ADM	INISTERED B	Y (if other tha		<del></del>	
NATIONAL SCIENCE FOUNDATION	· L	-			CODE		
Division of Contracts and Compl 4201 WILSON BOULEVARD, ROOM 475 ARLINGTON, VA 22230							
ANDINOTORY VII 22200		ł					
6. NAME AND ADDRESS OF CONTRACTOR Raytheon Technical Services Compa Services 7400 South Tuscan Way	any, Polar	(X)		ENT OF SOLICITAT	CION NO.		
Centennial, CO 80112-3938	** .		<u> </u>			·	
		х	10A. MODIF	CATION OF CONT	-0000373	NO.	
CODE FACILITY CODE		<b>ተ</b>	10B. DATED	(SEE ITEM 13)	0000373	<del></del>	
		]		Novemb	er 1, 19	99	
11. THIS IT	EM ONLY APPLIES TO A						
YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE IN REJECTION OF YOUR OFFER. If by virtue of this telegram or letter, provided each telegram or lethe opening hour and date specified.  12. ACCOUNTING AND APPROPRIATION DATA (If required)	amendment you desire tter makes reference ed)	to chang to the s	ge an offer	already submitt	ed, such ch	ange may be made b	
	See atta		NC OF COM	DACE (ODDEDC			
	THE CONTRACT/ORDER N						
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO	e (Specify authority)	THE CHA	NGES SET FO	RTH IN ITEM 14	ARE MADE IN	THE CONTRACT ORDER	
B. THE ABOVE NUMBERED CONTRACT/ORDER IS appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED	TO THE AUTHORITY OF I	FAR 43.1	03(b).	CHANGES (such	as changes	in paying office	
X D. OTHER (Specify type of modification and	l authority)			<del> </del>			
B. OTHER (Specify type of modification and	FAR Clause	52.2	32-22				
E. IMPORTANT: Contractor is not, 14. DESCRIPTION OF AMENDMENT / MODIFICATION (Org. feasible.)	is required to sign					issuing office. ubject matter wher	
See attached.							
Except as provided herein, all terms and conditi- unchanged and in full force and effect.	ons of the document re						
15A. NAME AND TITLE OF SIGNER (Type of print)		P	atricía	LE OF CONTRACTI Williams .ng Officer	NG OFFICER	(Type or print)	
15B. CONTRACTOR / OFFEROR	15C. DATE SIGNED			TES OF AMERICA		16C DATE SIGNE	
	-	Jan	mas	Villiam	· · · · · ·	9114/05	
(Signature of person authorized to sign) SN 7540-01-152-8070	30-105	<del></del>	signature o	f Contracting C		4 30 (REV. 10-83)	
REVIOUS EDITION UNUSABLE	32, 400			Pr	escribed by R (48 CFR)	GSA	

OD

The purpose of this modification to NSF Contract PRSS-0000373 is provide additional funds.

Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriation data:

14030000-5111-02XX-2542	Increase: \$	15,000
14030000-5112-02XX-2542	Increase \$	111,496
14030000-5115-02XX-2542	Increase \$	17,000
14030000-5130-02XX-2542	Increase \$	25,700
14030000-5247-02XX-2542	Increase \$	7,496
14020000-5140-02XX-2542	Increase \$	
14020000-5146-02XX-2542	Increase \$	7,710,274

2. Section B, "Supplies/Services and Prices/Costs," subsection B.8, "(Incremental) Contract Funding," is revised to provide additional funds as follows:

Contract I unump	<del></del>	Wide additional ful		
Element	Existing	Adjustments	Mod 034	Subtotals
· · · · · · · · · · · · · · · · · · ·			•	
Est. Cost	\$753,358,154	\$0	\$44,176,196	\$797,534,350
Billable Fee	<del></del>	•		
			1	
Award & Base			·	
Fees				
		1	1	
Total Allotted		· · · · · · · · · · · · · · · · · · ·		

4. It is understood that these funds are estimated to be sufficient for the performance of work through September 30, 2005.

					OME	h 0000 0111
	<del></del>			1. CONTRACT ID		# 0990-0115 PAIN OF
AMENDMENT OF SOLICITATION/MOD	IFICATION OF C					7ACCC 2
2. AMENUMENT / MODIFICATION NO.	3. EFFECTIVE DATE	4, RE	QUISITION /	PURCHASE REQ	5. PROC	ECT NO. (11
Thirty Five(035)	per Block 16c		PRSS-0	552520		
CODE		?. AC	MINISTERED 8	Y (if other than	Item 0) 0002	
NATIONAL SCIENCE FOUNDATION Division of Contracts and Comple 4201 WILSON BOULEVARD, ROOM 475 ARLINGTON, VA 22230	x Agreements					
3. NAME AND ADDRESS OF CONTRACTOR		(X)	9A. AMENDM	ENT OF SOLICITATI	CN NO.	
Raytheon Technical Services Compar	ny, Polar					
Services 7400 South Tuscan Way Centennial, CO 80112-3938			9B. DATED	(SEE ITEM 11)	<del></del> .	<del> </del>
Centennial, Co 80112-3930		-	10A. MODIF	ICATION OF CONTRA	CT / CRDE	R NO.
		X				
		1	 		0000373	
CODE FACILITY CODE			10B. DATED	(SEE ITEM 13)	_ 1 10	.00
11 THIS ITEM	ONLY APPLIES TO A	MENDME	NTS OF SOLI	Novembe	r 1, 19	
The above numbered solicitation is amended	l as set forth in 1	Item 14	. The hou	r and date spec	ified for	receipt of Offer
specified in the solicitation or as amended, returning copies of the amendment submitted; or (c) By separate letter or telegray YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DIN REJECTION OF YOUR OFFER. If by virtue of this at telegram or letter, provided each telegram or letter the opening hour and date specified.	t; (b) By acknowle m which includes a ESIGNATED FOR THE RI amendment you desire ter makes reference	dging referer ECEIPT to cha	receipt of ice to the s OF OFFERS PR nge an offer	this amendment olicitation and IOR TO THE HOUR already submitte	on each amendment AND DATE :	copy of the offe numbers. FAILURE O SPECIFIED MAY RESUL hange may be mage b
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C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED II	NIO PURSUANT TO AUTH	OKITY O	r:			
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	s required to sign					issuing office.
14. DESCRIPTION OF AMENDMENT / MODIFICATION (Organifeasible.)	nized by UCF section	heading	gs, includin	g solicitation /	contract .	subject matter wher
See attached.		٠				

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

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

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

30-105

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

Patricia S. Williams

15B. CONTRACTOR / OFFEROR 15C. DATE SIGNED Contracting Officer
16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

(Signature of Contracting Officer)

9/22/05

NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

The purpose of this modification to NSF Contract PRSS-0000373 is to formalize the Award Fee Adjustment for Contract Year No. Four, and to adjust the distribution of operational funds added in Mod. 034.

Accordingly, the contract is hereby modified as follows:

1. Section B3, "Award Fee Schedule," is revised as follows to reflect the award fee score of for Contract Year No. Four:

Period	Fee Bearing Cost	Base Fee	Maximum Award Fee	Award Fee Earned
April 1, 2003	<del> </del> ,			
through March 31, 2004 (all WBS's)				

2. Section B, "Supplies/Services and Prices/Costs," subsection B.8, "(Incremental)
Contract Funding." is revised to show distribution of funds as follows:

Contract Funding, is revised to show distribution of funds as follows:						
Element	Existing	Adjustments	Mod 034	Subtotals		
Est. Cost	\$753,358,154	\$0	\$42,920,763	\$796,278,917		
				······································		
Billable Fee						
	-					
Award & Base						
Fees			LI			
Total Allotted	<del></del>					

3. Section B5, Contract Funding, is revised to formalize the award fee adjustment for Contract Year Four as follows:

Element	Existing	Adjustments	Mod 035	Subtotals
Est. Cost	\$797,534,350	-\$1,203,417	\$0	\$796,330,933
Billable Fee				
			: 1	
Award & Base				
Fees	1	1		
		1		
Total Allotted				

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Centennial, CO 80112					·		·
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CODE FACILITY COD	DE		-	10B. DATED	PRSS-( ) (SEE ITEM 13)	3000373	
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specified in the solicitation	of the amendment; letter or telegram MED AT THE PLACE DES by virtue of this ame th telegram or lette ied.	by one of the fo  (b) By acknowled which includes a SIGNATED FOR THE RE endment you desire r makes reference to	llowing dging : referen CEIPT ( to chan to the	y methods: receipt of ce to the s OF OFFERS PR age an offer	(a) By compl this amendment solicitation and a RIOR TO THE HOUR A already submitte	eting Ite on each mendment AND DATE S d, such ch	ems 8 and 15, and copy of the offer numbers. FAILURE OF PECIFIED MAY RESULT ange may be made by
	13. THIS ITEM APP	See atta		ONS OF CONT	RACT/ORDERS.		
		CONTRACT/ORDER N				•	_ <del></del>
A. THIS CHANGE ORDER IS I	SSUED PURSUANT TO: (	Specify authority)	THE CHA	ANGES SET FO	ORTH IN ITEM 14 AR	E MADE IN	THE CONTRACT ORDER
B. THE ABOVE NUMBERED CO appropriation date, etc.) SET FORTH IN C. THIS SUPPLEMENTAL AGRE	ITEM 14, PURSUANT TO	THE AUTHORITY OF	AR 43.	103(b).	E CHANGES (such a	s changes	in paying office,
X D. OTHER (Specify type of	modification and au			222 22			<del></del>
E. IMPORTANT: Contractor		FAR Clause required to sign	this o	document an			issuing office.
14. DESCRIPTION OF AMENDMENT / M feasible.)	ODIFICATION (Organia	zed by UCF section	heading	s, includin	g solicitation /	contract s	ubject matter where
	•	•		*			
See attached.					•		

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

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

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Patricia S. Williams Contracting Officer
16B. UNITED STATES OF AMERICA 15B. CONTRACTOR / OFFEROR 15C. DATE SIGNED (Signature of person authorized to sign) of Contracting Officer) 30-105

9130/05

16C. DATE SIGNED

NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

The purpose of this modification to NSF Contract PRSS-0000373 is to: provide additional funds, to correct the Award Fee adjustment accomplished in Mod 035, and to make administrative changes in Section G5.

Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriation data:

14020000-5140-02XX-2542       Inc.         14020000-5146-02XX-2542       Inc.         14000000-T218-0105-2542       Inc.         14030000-5112-02XX-2542       Inc.         14030000-5116-02XX-2542       Inc.	rease: \$ 250,000 rease \$ 633,698 rease \$ 3,686,159 rease \$ 353,720 rease \$ 14,405 rease \$ 5,900
	rease \$ 15,953

2. Section B5, Contract Funding, is revised to correct the award fee adjustment for Contract Year Four (Mod 035) as follows:

Element	Existing	Adjustments	Mod 035	Subtotals
Est. Cost	\$796,278,917	-\$1,203,417	\$0	\$795,075,500
Billable Fee				
Award & Base Fees	<del></del>		•	
Total Allotted	<del></del>			

3. Section B, "Supplies/Services and Prices/Costs," subsection B.8, "(Incremental) Contract Funding," is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 036	Subtotals
Est. Cost	\$795,075,500	\$0	\$4,815,374	\$799,890,874
Billable Fee				
Award & Base Fees			4	
Total Allotted				

4. In Section G5, COTR Designation and Authority, the first paragraph is revised to read as follows:

The Contracting Officer has designated Brian Stone, Deputy Manager, Office of Polar Programs, Polar Research Support Section (PH: 703/292-8032, E-Mail: <u>bstone@nsf.gov</u>) as the Contracting Officer's Technical Representative (COTR) under this contract.

5. It is understood that these funds are estimated to be sufficient for the performance of work through October 30, 2005.

AMENDMENT OF SOLICITATION/MODIFICATION	ON OF CONTR	ACT	1. CONTRACT ID	CODE	PAGE OF PAGES
C. AMENDMENT / MODIFICATION NO. 3. EFFECT		REQUISITION /	PURCHASE REQ		1 2
- · · · · · · · · · · · · · · · · · · ·	Block No.	PRSS-0	601518	applicab.	le)
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NATIONAL SCIENCE FOUNDATION				CODE	<del></del>
Division of Contracts and Complex Agree 4201 WILSON BOULEVARD, ROOM 475 ARLINGTON, VA 22230	ments				
8. NAME AND ADDRESS OF CONTRACTOR	(X)	9A. AMENDM	ENT OF SOLICITATI	ON NO.	<del></del>
Raytheon Technical Services Company, Pola Services 7400 South Tuscan Way Centennial, CO 80112-3938	ar	9B. DATED	(SEE ITEM 11)	<del>- 1</del>	
		10A. MODIF	ICATION OF CONTRA	CT / ORDER	NO.
	X		DDCC	0000373	
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	t exec		Novembe	r 1, 199	99
11. THIS ITEM ONLY APP  The above numbered solicitation is amended as set f				(e) - A (e	5 055
specified in the solicitation or as amended, by one of returning copies of the amendment; (b) By submitted; or (c) By separate letter or telegram which in YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED IN REJECTION OF YOUR OFFER. If by virtue of this amendment y telegram or letter, provided each telegram or letter makes the opening hour and date specified.  12. ACCOUNTING AND APPROPRIATION DATA (If required)	acknowledging ncludes a refer FOR THE RECEIPT you desire to ch	receipt of ence to the s OF OFFERS PR ange an offer	this amendment olicitation and a NIOR TO THE HOUR. already submitte	on each of amendment r AND DATE Si d, such ch	numbers, FAILURE OF PECIFIED MAY RESULT ange may be made by
S	ee attached				
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etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTI C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUAN	HORITY OF FAR 4: NT TO AUTHORITY	0F:			
X D. OTHER (Specify type of modification and authority) FAF	R Clause 52	.232-22			· · · · · · · · · · · · · · · · · · ·
	ed to sign this				issuing office.
14. DESCRIPTION OF AMENDMENT / MODIFICATION (Organized by UC feasible.)	or section heads	ngs, includin	g solicitation /	CONTRACT S	abject matter where
See attached.					
Except as provided herein, all terms and conditions of the dunchanged and in full force and effect.	document referer	ced in Item 9	A and 10A, as her	etofore ch	anged, remains
15A. NAME AND TITLE OF SIGNER (Type of print)	1 6A	Patricia	TLE OF CONTRACTIN S. Williams ing Officer	G OFFICER	(Type or print)
15B. CONTRACTOR / OFFEROR 15C. DA	TE SIGNED 168	UNITED STA	TES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)		TUCOSNO	HOM	ficor)	10/14/25
	30-105	(Signacure (	Pre		

The purpose of this modification to NSF Contract PRSS-0000373 is to provide additional funds.

Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriation data:

14020000-5140-02XX-2542	Increase \$30,000,000
14030000-5113-02XX-2542	Increase \$ 11,042
14030000-5111-02XX-2542	Increase \$ 79,235
14010000-5205-02XX-2542	Increase \$ 265,121
14010000-5280-02XX-2542	Increase \$ 8,750

2. Section B, "Supplies/Services and Prices/Costs," subsection B.8, "(Incremental) Contract Funding," is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 037	Subtotals \$829,370,629	
Est. Cost	\$799,890,874	\$0	\$29,479,755		
Billable Fee	l				
Award & Base Fees			· 		
Total Allotted					

3. It is understood that these funds are estimated to be sufficient for the performance of work through November 30, 2005.

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C. AMENDMENT / MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION /	FURCHASE REQ	5. PROJEC	
Thirty Eight(038)	per Block 16c	PRSS-0	608767	applicabl	a)
SSUED BY		7. ADMINISTERED B	Y (if other than		
NATIONAL SCIENCE FOUNDATION Division of Contracts and Comple 4201 WILSON BOULEVARD, ROOM 475 ARLINGTON, VA 22230	x Agreements			CODE	
8. NAME AND ADDRESS OF CONTRACTOR		(X) 9A. AMENDMI	ENT OF SOLICITATION	ON NO.	<del></del>
Raytheon Technical Services Compan Services 7400 South Tuscan Way Centennial, CO 80112-3938	y, Polar	9B. DATED	(SEE ITEM 11)	·	NO .
		x			
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CODE FACILITY CODE		TOB. DATED	November	- 1 100	۵
11 THIS ITEM	ONLY APPLIES TO F	MENDMENTS OF SOLI		. 1, 199	
returning copies of the amendment submitted; or (c) By separate letter or telegra YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DIN REJECTION OF YOUR OFFER. If by virtue of this a telegram or letter, provided each telegram or letter the opening hour and date specified.  12. ACCOUNTING AND APPROPRIATION DATA (If required)	m which includes a ESIGNATED FOR THE R mendment you desire er makes reference	reference to the se ECEIPT OF OFFERS PR to change an offer to the solicitation	olicitation and a IOR TO THE HOUR A already submitted	mendment no AND DATE SP d. such cha	umbers. FAILURE OF ECIFIED MAY RESULT nge may be made by
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X D. OTHER (Specify type of modification and a		e 52.232-22			
E. IMPORTANT: Contractor X is not, I	s required to sign	n this document and	d return	copies to	issuing office.
14. DESCRIPTION OF AMENDMENT / MODIFICATION (Organ feasible.)					
See attached.					

15C. DATE SIGNED

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

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

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

Patricia S. Williams Contracting Officer

15B. CONTRACTOR / OFFEROR

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of Contracting Officer)

12/20/05

(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

## NSF Contract PRSS-0000373 Modification No. Thirty-Eight (038)

The purpose of this modification to NSF Contract PRSS-0000373 is to provide additional funds.

Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriation data:

14000000-015F-05XX-2542 14020000-1296-05XX-2542 Increase \$ 3,208,100 Increase \$ 8,597,100

2. Section B, "Supplies/Services and Prices/Costs," subsection B.8, "(Incremental) Contract Funding." is revised to provide additional funds as follows:

Element			Mod 038	Subtotals \$840,831,988	
Est. Cost			\$11,461,359		
Billable Fee					
Award & Base Fees	······································	· · · · · · · · · · · · · · · · · · ·	1		
Total Allotted					

3. It is understood that these funds are estimated to be sufficient for the performance of work through December 31, 2005.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE.		
2. AMENDMENT/MODIFICATION NO.	3. EFFECT		4. REQUISITION	י ופעות	PCHASE NO	E 000	1 of 2 JECT NO. (If applicable)
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lational Science Foundation		<u> </u>	See Item		, , , , , , , , , , , , , , , , , , , ,	<b>-</b> /	
Attn: Patricia S. Williams Mail C	ode: DACS	· .					
Division of Acquisition & Cooper		port					
4201 Wilson Boulevard, Room 4	75						
Arlington, VA 22230  8, NAME AND ADDRESS OF CONTRAC	TOR /No. of	root county State and	Zia Coda)		9A. AMENDMENT	OF COL	ICITATION NO
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7400 South Tucsan Way	ompany, i	Oldi Oci vices			9B. DATED (SEE	ITEM 11	· · · · · · · · · · · · · · · · · · ·
Centennial, CO 80112-3938				L	SB. DATED (SEE	ricivi ii)	,
				$\boxtimes$			ONTRACT/ORDER NO.
Attn: Lee Anne Hess							0000373
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AT THE PLACE DESIGNATED FOR THE RE by virtue of this amendment you desire to cha reference to the solicitation and this amendment 12. ACCOUNTING AND APPROPRIATIO	ange an offer a ent, and is red	already submitted, such c selved prior to the opening	hange may be ma	de by to	elegram or letter, prov	IN REJE	CTION OF YOUR OFFER h telegram or letter makes
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e <sub>wi</sub> st							
Except as provided herein, all terms and condition	ns of the docu	ment referenced in Item 9A	or 10A, as heretofo	re chan	ged, remains unchang	ad and in f	ull force and effect
15A. NAME AND TITLE OF SIGNER (Typ							FICER (Type or print)
				Patric	ia S. Williams, (	Contrac	ting Officer
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED	STATE	S OF AMERICA	<del>-,</del>	16C. DATE SIGNI
ВУ	<del></del>		BY LOUIS		Millom		01/31/06
(Signature of person authorized to	sign)	20.405	l (Sig		of Contracting Offic		(000 0
NSN 7540-01-152-8070 PREVIOUS EDITION NOT USABLE		30-105			NDARD FORM 30 inbed by GSA	(REV. 10-8:	3) (GRC Overprint 09/01

Prescribed by GSA FAR (48 CFR) 53.243

14. Description of Amendment/Modification (cont.)

The purpose of this modification to NSF Contract PRSS-0000373 is to:

- a. establish two key personnel positions; and
- b. approve the RPSC Fiscal Year 2006 Program Plan at a level of \$143,920,081

Therefore the following items will be revised as follows:

A. Section H – "Special Contract Requirements"

i. H.2. KEY PERSONNEL

This section is revised to add the following positions:

Title	Individual	Percent of Labor Effort
Medical Director Environmental Health & Safety Director	ctor	100% 100%

- B. Section F "Deliveries or Performance"
  - i. F.2. PROGRAM PLAN

This plan's approval does not: (1) constitute a determination of the allowability of any costs under this contract: (2) authorize incurring cumulative contract costs in excess of the funds allocated to NSF Contract No. ARC-0520837 per the clause titled Limitation of Funds; or (3) authorize expenditures of otherwise restricted funds for purposes other than those set forth in the contract and its modifications.

C. All other terms and conditions remain unchanged and in effect,

(End of Modification)

OMB#	0990-	-0115
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AMENDMENT OF SOLICITATION/MO	DIFICATION OF CO	ONTRAC!	r 1. CONTRACT II	CODE	PAGE OF PAGES
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Division of Contracts and Compl	ex Agreements				
4201 WILSON BOULEVARD, ROOM 475					
ARLINGTON, VA 22230					
8. NAME AND ADDRESS OF CONTRACTOR		(X)	9A. AMENDMENT OF SOLICITA	TION NO.	
Raytheon Technical Services Compa	any, Polar				
Services		l  -	9B. DATED (SEE ITEM 11)		<del></del>
7400 South Tuscan Way		1 1	9B. DATED (SEE ITEM II)		
Centennial, CO 80112-3938		<del></del>	10A. MODIFICATION OF CONT	PACT / OPDER	NO
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		^	PRSS	-0000373	
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		} }	Novemb	er 1, 199	99
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IN REJECTION OF YOUR OFFER. If by virtue of this telegram or letter, provided each telegram or lette opening hour and date specified.  12. ACCOUNTING AND APPROPRIATION DATA (If requir	etter makes reference t	to change to the sc	e an offer already submit- licitation and this amend	ed, such cha	ange may be made b received prior t
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etc.) SET FORTH IN ITEM 14, PURSUANT	TO THE AUTHORITY OF E	AR 43.10	3(b).		
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X D. OTHER (Specify type of modification and		<del></del>		···	
	FAR Clause	52.23	2-22	<del></del>	
E. IMPORTANT: Contractor is not,	is required to sign				issuing office.
14. DESCRIPTION OF AMENDMENT / MODIFICATION (Org feasible.)	anized by UCF section	neadings,	including solicitation ,	contract su	bject matter where
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The purposes of this modification to NSF Contract PRSS-0000373 are:

- 1. Update the "Key Personnel" clause
- 2. Provide additional funds

Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriation data:

14020000-5140-02XX-2542

Increase \$ 40,000,000

2. Section B, "Supplies/Services and Prices/Costs," subsection B.8, "(Incremental) Contract Funding," is revised to provide additional funds as follows:

		<del></del>	Subtotals
\$840,831,988	\$0	\$38,834,951	\$879,666,939
<u> </u>		<b>.</b> 	
<u> </u>	1		
	\$840,831,988	\$840,831,988 \$0	\$840,831,988 \$0 \$38,834,951

3. Section H, "Special Contract Requirements," subsection H.2, "Key Personnel," is updated as follows:

Title	Individual	Individual - Current	Percent of Labor Effort
	1	1	1
Program Manager			100%
Environmental, Health & Safety Directo.	1		100%
Medical Director		<del></del>	100%
Director Science Support	T	_	100%
Chief of Operations and South Pole		1	100%
Redevelopment Project Manager	1		
Chief of Operations			
South Pole Redevelopment Project			
Manager/PMO Manager			
Director Logistics	)		100%
Director Information Systems		· <del></del>	100%
,			
Director FEMC			100%
Operations Director			100%

- 4. It is understood that these funds are estimated to be sufficient for the performance of work through June 2006.
- 5. All other terms and conditions remain unchanged and in effect.

					OMB	# 0990-0	115
AMENDMENT OF SOLICITATION/MODI	FICATION OF CO	ONTRA	CT	1. CONTRACT ID		PAGE PAGE	OF GES
2. AMENDMENT / MODIFICATION NO.	3. EFFECTIVE DATE	4. RE	QUISITION /	PURCHASE REQ	5. PROJ	1 ECT NO. (11	3
Forty-one(041)	per Block	NO.			applica	ble)	
SSUED BY	16c	7. ADI	MINISTERED I	BY (if other than	Item 6)	<del></del>	
CODE		1			CODE		
NATIONAL SCIENCE FOUNDATION Division of Contracts and Complex 4201 WILSON BOULEVARD, ROOM 475 ARLINGTON, VA 22230	Agreements						
8. NAME AND ADDRESS OF CONTRACTOR		(X)	9A. AMENDM	ENT OF SOLICITATI	ON NO.		
Raytheon Technical Services Compan Services	y, Polar		·				
7400 South Tuscan Way			9B. DATED	(SEE ITEM 11)		<del></del>	
Centennial, CO 80112-3938			101 1007		-	<del></del>	
		X	IUA, MODIF	CATION OF CONTRA			
CODE FACILITY CODE	<del></del>	4	10B. DATE	PRSS- (SEE ITEM 13)	0000373	3	
			100, 5	Novembe	r 1, 19	999	
11. THIS ITEM  The above numbered solicitation is amended	ONLY APPLIES TO A			CITATIONS			
specified in the solicitation or as amended, returning copies of the amendment submitted; or (c) By separate letter or telegram YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DE IN REJECTION OF YOUR OFFER. If by virtue of this ar telegram or letter, provided each telegram or letter the opening hour and date specified.  12. ACCOUNTING AND APPROPRIATION DATA (If required)	; (b) By acknowle m which includes a SIGNATED FOR THE RE mendment you desire er makes reference	dging referen ECEIPT ( to char	receipt of ce to the s OF OFFERS Pl nge an offer	this amendment solicitation and RIOR TO THE HOUR already submitted	on each amendment AND DATE ed, such c	copy of to numbers. F SPECIFIED Mange may be	TAILURE OF MAY RESULT be made by
	See atta						
	PLIES ONLY TO MODI E CONTRACT/ORDER N						,
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO:							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MO appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT T	O THE AUTHORITY OF	FAR 43'.	103(b).	E CHANGES (such	as change	s in payin	g office,
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED IN	TO PURSUANT TO AUTHO	ORITY O	F:				
X D. OTHER (Specify type of modification and a	uthority) FAR Clause	52.2	232-22				<del></del>
E. IMPORTANT: Contractor X is not, i	s required to sign	this	document an	nd return	copies t	o issuing	office.
14. DESCRIPTION OF AMENDMENT / MODIFICATION (Organifeasible.)	ized by UCF section	heading	gs, includin	g solicitation /	contract	subject mat	ter where
See attached.							
Except as provided herein, all terms and conditions	of the document re	eference	ed in Item 9	A and 10A, as her	etofore c	hanged, rem	ains

unchanged and in full force and effect.

unchanged and in full force and effect.

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

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Jillian Pate
Contracting Officer

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

Morto

(Signature of Contracting Officer)

STANDARD FORM 30 (REV. 10-83)

30-105

Prescribed by GSA FAR (48 CFR) 53.243

PREVIOUS EDITION UNUSABLE

NSN 7540-01-152-8070

15B. CONTRACTOR / OFFEROR

The purposes of this modification to NSF Contract PRSS-0000373 are:

- 1. Update the "Key Personnel" clause
- 2. Provide additional funds
- 3. Reduce the program manager WBS (R-PS60-201) by \$200,000 to reflect the removal of RBI payments from the annual program plan.

Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriation data:

14020000-5140-02XX-2542

Increase \$ 35,000,000

2. Section B, "Supplies/Services and Prices/Costs," subsection B.8, "(Incremental) Contract

Funding," is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 041	Subtotals
Est. Cost	\$879,666,939	\$0	\$33,980,583	\$913,647,522
Billable Fee	' - r		1	<u>.</u>
Award & Base Fees				
Total Allotted	<del>-</del>	1	<b>1</b>	

3. Section H, "Special Contract Requirements," subsection H.2, "Key Personnel," is updated as follows:

Title	Individual	Individual - Current	Percent of Labor Effort
		1	
Program Manager		T	100%
Environmental, Health & Safety Director			100%
Medical Director		***************************************	100%
Director Science Support	1	1	100%
Chief of Operations and South Pole		}	100%
Redevelopment Project Manager			
Chief of Operations			
South Pole Redevelopment Project			
Manager/PMO Manager			
Director Logistics			100%
Director Information Systems			100%
Director FEMC	<del>-i-</del>	· · · · · · · · · · · · · · · · · · ·	100%
Operations Director		<del> </del>	100%

- 4. It is understood that these funds are estimated to be sufficient for the performance of work through August 2006.
- 5. All other terms and conditions remain unchanged and in effect.

<u> </u>		<u> </u>				OMB#	0990-01	15
	ENT OF SOLICITATION/MOD				1. CONTRACT ID	CODE	PAGE PAGE 1	OF S 2
2. AMENDMENT / MOI		3. EFFECTIVE DATE	4. RE	QUISITION /	PURCHASE REQ	5. PROJE applicat	CT NO. (if	
Forty-tv	vo (042)	per Block	1			apprica	10,	
SSUED BY		16c	7 AD	MINISTERED	BY (if other than	Ttom 61		
· - 1	CODE		1	111111111111111111111111111111111111111	, const char	CODE		
	SCIENCE FOUNDATION	n						
	of Contracts and Complo ON BOULEVARD, ROOM 475	ex Agreements	<u> </u>					
	, VA 22230		}					
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. NAME AND ADDRES	ss of contractor echnical Services Compa	ny Polar	(X)	9A. AMENDA	MENT OF SOLICITAT	ION NO.		
Services	compa	illy, lotar					.*	
7400 South				9B. DATED	(SEE ITEM 11)	<del></del>	<del></del>	
Centennial,	CO 80112-3938					·		
			x	10A. MODII	FICATION OF CONTR	ACT / ORDER	NO.	
			^		PRSS-	-0000373		
ODE	FACILITY CODE	<del></del>	1	10B. DATE	(SEE ITEM 13)			
						er 1, 19	99	
7 mbs shores no	11. THIS ITE mbered solicitation is amende	M ONLY APPLIES TO A						0664
10A.	IT MODIFIES T		FICATION AS	DESCRIBED 1	IN ITEM 14. ORTH IN ITEM 14 P			
appropriati etc.)	VE NUMBERED CONTRACT/ORDER IS LON date, SET FORTH IN ITEM 14, PURSUANT PPLEMENTAL AGREEMENT IS ENTERED	TO THE AUTHORITY OF	FAR 43.	103(b).	E CHANGES (such	as changes	in paying	offic
X D. OTHER (S	Specify type of modification and	authority) FAR Clause	52 1	232-22			· · · · · · · · · · · · · · · · · · ·	
. IMPORTANT: Co	ontractor X is not,	is required to sign			nd return	copies to	issuing o	ffice
	F AMENDMENT / MODIFICATION (Orga	nized by UCF section	heading	gs, includir	g solicitation /	contract s	ubject matt	er whe
easible.)					*			
See attached.								
				4				
	d herein, all terms and condition	ons of the document re	ference	ed in Item 9	A and 10A, as he	retofore ch	anged, rema	ins
5A. NAME AND TIT	LE OF SIGNER (Type of print)		} · ·	Jillian :	TLE OF CONTRACTION Pate ing Officer	G OFFICER	(Type or pr	int)
5B. CONTRACTOR /	OFFEROR	15C. DATE SIGNED			TES OF AMERICA	<del></del>	16C. DATE	SIGN
			/	1.11-	()-A-			,
				Mon	- Va		1050	2 <b>/t</b> . 0
	f person authorized to sign)		17	(Signature	of Contracting Of			
N 7540-01-152-8 EVIOUS EDITION		30-105	1		Pre	NDARD FORM scribed by (48 CFR)		10-83
						,/		

The purpose of this modification to NSF Contract PRSS-0000373 are:

1. Provide additional funds

Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriation data:

14020000-5140-02XX-2542	Increase \$	11,979,998
14020000-5146-02XX-2542	Increase \$	25,751,496
14020000-T441-0106-2542	Increase \$	40,100
14020000-T305-0106-2542	Increase \$	61,107
14020000-1789-40XX-2542	Increase \$	67,647
14020000-5140-02XX-2542	Increase \$	100,000
14040000-5187-02XX-2542	Increase \$	4,862,507
14030000-5113-02XX-2542	Increase \$	192,018
14030000-5112-02XX-2542	Increase \$	10,000
14030000-5111-02XX-2542	Increase \$	91,285
14030000-5130-02XX-2542	Increase \$	162,111

2. Section B, "Supplies/Services and Prices/Costs," subsection B.8, "(Incremental) Contract Funding." is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 042	Subtotals
Est. Cost	\$913,647,522	\$0	42,056,572	\$955,704,094
Billable Fee			<b>!</b>	
Award & Base	<u> </u>			
Fees				· · · · · · · · · · · · · · · · · · ·
Total Allotted	·			

3. All other terms and conditions remain unchanged and in effect.

					OMB	# 0990-0115
AMENDMEN	T OF SOLICITATION/MOD	FICATION OF CO	ONTRACT	1. CONTRACT ID	CODE	PAGE OF PAGES 1 2
2. AMENDMENT / MODI	FICATION NO.	3. EFFECTIVE DATE	4. REQUISITION /	PURCHASE REQ		ECT NO. (if
Forty-thi	ree (043)	per Block 16c	NO.		applica.	ble)
SSUED BY	CODE	<del></del>	7. ADMINISTERED E	Y (if other than		
Division o	CIENCE FOUNDATION f Contracts and Comple N BOULEVARD, ROOM 475	x Agreements			CODE	
8. NAME AND ADDRESS	OF CONTRACTOR	<del></del>	(X) 9A. AMENDM	ENT OF SOLICITAT	ION NO.	
Services 7400 South T	chnical Services Compar Cuscan Way CO 80112-3938	ny, Polar		(SEE ITEM 11)		
CODE	FACILITY CODE		100 00000	PRSS- (SEE ITEM 13)	0000373	<del></del>
CODE	PACILITY CODE		TOB. DATED	Novembe	. r 1 10	100
	11. THIS ITEM	ONLY APPLIES TO A	MENDMENTS OF SOLI		1 1, 13	773
YOUR ACKNOWLEDGMENT IN REJECTION OF YOU telegram or letter, the opening hour an	copies of the amendment By separate letter or telegra TO BE RECEIVED AT THE PLACE D ROFFER. If by virtue of this a provided each telegram or let- d date specified.  APPROPRIATION DATA (If required	m which includes a ESIGNATED FOR THE RE mendment you desire ter makes reference	reference to the s CCEIPT OF OFFERS PR to change an offer	olicitation and IOR TO THE HOUR already submitte	amendment AND DATE : ed, such c	numbers. FAILURE OF SPECIFIED MAY RESULT hange may be made by
		See atta				
		PPLIES ONLY TO MODI IE CONTRACT/ORDER N				
10A.	GE ORDER IS ISSUED PURSUANT TO:	(Specify authority)	THE CHANGES SET FO	RTH IN ITEM 14 A		
	n date, SET FORTH IN ITEM 14, PURSUANT LEMENTAL AGREEMENT IS ENTERED I					
X D. OTHER (Sp.	ecify type of modification and		2 52.232-22		··································	
E. IMPORTANT: Con		s required to sign				s issuing office.
14. DESCRIPTION OF feasible.)	AMENDMENT / MODIFICATION (Organ	ized by UCF section	headings, includin	g solicitation /	contract	subject matter where
See attached.						

unchanged and in full force and effect.

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

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

Jillian Pate

Contracting Officer

30-105

15B. CONTRACTOR / OFFEROR 15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

18 Sport 1/16

16C. DATE SIGNED

(Signature of person authorized to sign)
NSN 7540-01-152-8070

/ (319)

(Signature of Contracting Officer)

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA

Prescribed by GSA FAR (48 CFR) 53.243

PREVIOUS EDITION UNUSABLE

# NSF Contract PRSS-0000373 Modification No. Forty-three (043)

The purpose of this modification to NSF Contract PRSS-0000373 is:

- 1. To correct the approved funding amount in Mod 039 from \$143,920,081 to \$164,062,482.
- 2. All other terms and conditions remain unchanged and in effect.

0990	

AMENDMENT OF SOLICITATION/MO	DIFICATION OF CO	ONTRA	CT	1. CONTRACT ID	CODE	PAGE OF PAGES
2. AMENDMENT / MODIFICATION NO.	3. EFFECTIVE DATE		QUISITION /	PURCHASE REQ		ECT NO. (if
Forty-four (044)	per Block 16c	NO.			applicai	ble)
SSUED BY	<del></del>	7. AD	MINISTERED	BY (if other tha		
NATIONAL SCIENCE FOUNDATION	E [	-			CODE	
Division of Contracts and Compl 4201 WILSON BOULEVARD, ROOM 475 ARLINGTON, VA 22230						
8. NAME AND ADDRESS OF CONTRACTOR	<del></del>	(X)	9A. AMENDM	ENT OF SOLICITAT	ION NO.	<del></del>
Raytheon Technical Services Comp. Services 7400 South Tuscan Way	any, Polar		9B. DATED	(SEE ITEM 11)	<del></del>	<del></del>
Centennial, CO 80112-3938						t - 4
			10A. MODIF	ICATION OF CONTE	ACT / ORDE	R NO.
		X		55.66	0000000	
CODE FACILITY CODE		-}	10B DATED	(SEE ITEM 13)	-0000373	  - <del> </del>
TACIBITI CODE		İ.	100. 5.1122		er 1, 19	199
11. THIS IT	EM ONLY APPLIES TO A	MENDMEN	TS OF SOLI			<del></del>
submitted; or (c) By separate letter or telegroup ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE IN REJECTION OF YOUR OFFER. If by virtue of this telegram or letter, provided each telegram or letter the opening hour and date specified.	DESIGNATED FOR THE Ris amendment you desire etter makes reference	ECEIPT ( to char	OF OFFERS PR nge an offer	IOR TO THE HOUR already submitt	AND DATE Sed, such cl	SPECIFIED MAY RESULT mange may be made by
12. ACCOUNTING AND APPROPRIATION DATA (If requir	<sup>red)</sup> See atta	ched				
	APPLIES ONLY TO MODI THE CONTRACT/ORDER N	FICATIO				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO	O: (Specify authority)	THE CHA	ANGES SET FO	ORTH IN ITEM 14 A	ARE MADE IN	THE CONTRACT ORDER
B. THE ABOVE NUMBERED CONTRACT/ORDER IS appropriation date, etc.) SET FORTH IN ITEM 14, PURSUAN C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED	T TO THE AUTHORITY OF	FAR 43.	103(b).	CHANGES (such	as changes	s in paying office
		· ·				
X D. OTHER (Specify type of modification and	FAR Clause	e 52.2	232-22	···		
E. IMPORTANT: Contractor is not,	is required to sign					issuing office.
14. DESCRIPTION OF AMENDMENT / MODIFICATION (Org feasible.)	ganized by UCF section	heading	rs, includin	g solicitation /	contract s	subject matter where
See attached.						
Except as provided herein, all terms and conditiunchanged and in full force and effect.	ons of the document re			·		
15A. NAME AND TITLE OF SIGNER (Type of print)		1	Jillian 1	rLE OF CONTRACTI Pate Ing Officer	NG OFFICER	(Type or print)
15B. CONTRACTOR / OFFEROR	15C. DATE SIGNED			TES OF AMERICA		16C. DATE SIGNED
	_		Mille	12	(	28 Spt'
(Signature of person authorized to sign)		1/	Signature o	of Contracting O		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-105	,		Pro	ANDARD FOR escribed b R (48 CFR)	

## NSF Contract PRSS-0000373 Modification No. Forty-four (044)

The purposes of this modification to NSF Contract PRSS-0000373 are:

- 1. Provide additional funds
- 2. Approve a FY 2007 Funding Limit until the Final Program Plan can be approved

Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriation data:

14020000-5140-02XX-2542	Incre	ase \$	1,120,950
14000000-5284-02XX-2542	Incre	ase \$	29,700
14020000-T659-0106-2542	Incre	ase \$	294,948
14020000-T713-0106-2542	Incre	ase \$	551,978
14030000-5111-02XX-2542	Incre	ase \$	21,528
14030000-5112-02XX-2542	Incre	ase \$	54
14030000-5116-02XX-2542	Incre	ase \$	1,098
14020000-T702-0106-2542	Incre	ase \$	310,527

2. Section B, "Supplies/Services and Prices/Costs," subsection B.8, "(Incremental) Contract Funding," is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 044	Subtotals
Est. Cost	\$955,704,094	\$0	2,262,896	\$957,966,990
Billable Fee				
Award & Base Fees	<u> </u>			
Total Allotted	<del>-</del>	T	· · · · · · · · · · · · · · · · · · ·	

3. Section F - "Deliveries or Performance," Subsection F.2, "Program Plan"

In lieu of a Program Plan Approval, the NSF authorizes RPSC a funding limit NTE \$144,377,002 until such time as the final Annual Program Plan for Fiscal Year 2007 can be approved.

4. All other terms and conditions remain unchanged and in effect.

OMB# 0	9	9(	)	0	1	1	5
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AMENDMENT OF SOLICITATION/M	ODIFICATION OF CO	ONTRA	CT	1. CONTRACT ID C	CODE	PAGE OF PAGES 1 2
2. AMENDMENT / MODIFICATION NO.	3. EFFECTIVE DATE		QUISITION /	PURCHASE REQ		ECT NO. (if
Forty-five (045)	per Block 16c	NO.	PRSS-0	653762	applica.	bie)
SSUED BY		7. AL	MINISTERED E	Y (if other than		
NATIONAL SCIENCE FOUNDATION Division of Contracts and Comp 4201 WILSON BOULEVARD, ROOM 47 ARLINGTON, VA 22230					CODE	
	· · · · · · · · · · · · · · · · · · ·	<u> </u>				·
8. NAME AND ADDRESS OF CONTRACTOR Raytheon Technical Services Com Services	pany, Polar	(X)_		ENT OF SOLICITATION  (SEE ITEM 11)	ON NO.	
7400 South Tuscan Way Centennial, CO 80112-3938					·	
		x	10A. MODIF	ication of contra-	CT / ORDE	
CODE FACILITY CODE	<del></del>	1	10B. DATED	(SEE ITEM 13)		· · · · · · · · · · · · · · · · · · ·
	ITEM ONLY APPLIES TO A	1	<u> </u>	November	1, 19	99
returning copies of the amend submitted; or (c) By separate letter or tell YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACIN REJECTION OF YOUR OFFER. If by virtue of th telegram or letter, provided each telegram or the opening hour and date specified.  12. ACCOUNTING AND APPROPRIATION DATA (If requ	CE DESIGNATED FOR THE RI is amendment you desire letter makes reference	reference ECEIPT to cha	nce to the s OF OFFERS PR nge an offer	olicitation and a IOR TO THE HOUR A already submitted	mendment ND DATE : d, such c	numbers. FAILURE O SPECIFIED MAY RESUL hange may be made b
	See atta		4			
	M APPLIES ONLY TO MODI S THE CONTRACT/ORDER N					
A. THIS CHANGE ORDER IS ISSUED PURSUANT 10A.	TO: (Specify authority)	THE CH	ANGES SET FO	RTH IN ITEM 14 AR		
B. THE ABOVE NUMBERED CONTRACT/ORDER I appropriation date, etc.) SET FORTH IN ITEM 14, PURSUA C. THIS SUPPLEMENTAL AGREEMENT IS ENTERE	ANT TO THE AUTHORITY OF	FAR 43.	103(b).	CHANGES (such a	s change	s in paying office
X D. OTHER (Specify type of modification a	and authority) FAR Clause	e 52.	232-22			
E. IMPORTANT: Contractor is not,	is required to sign	this	document an	d return	copies to	o issuing office.
14. DESCRIPTION OF AMENDMENT / MODIFICATION (Offeasible.)	rganized by UCF section	headin	gs, includin	g solicitation / o	contract .	subject matter wher
See attached.		•				
Except as provided herein, all terms and condiunchanged and in full force and effect.	tions of the document re	eference	ed in Item 9 <i>1</i>	A and 10A, as here	etofore c	nanged, remains
15A. NAME AND TITLE OF SIGNER (Type of print)		1.	Jillian E	rie of contracting Pate .ng Officer	OFFICER	(Type or print)
15B. CONTRACTOR / OFFEROR	15C. DATE SIGNED			res of america	A	28 Sept.
(Signature of person authorized to sign)			(Signature o	f Contracting Off	icer)	را ماد در
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-105		1	Pres	DARD FOR cribed b (48 CFR)	

The purpose of this modification to NSF Contract PRSS-0000373 is:

1. Provide additional funds

Accordingly, the contract is hereby modified as follows:

1. In Block 12 of this form (SF 30) add the following accounting and appropriation data:

14030000-5115-02XX-2542	Increase \$	171
14040000-5187-02XX-2542	Increase \$	1,813
14040000-5188-02XX-2542	Increase \$	51,429

2. Section B, "Supplies/Services and Prices/Costs," subsection B.8, "(Incremental) Contract Funding," is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 045	Subtotals
	1			
Est. Cost	\$957,966,990	\$0	\$51,857	\$958,018,847
	}		1	
Billable Fee				
		1	4	
Award & Base			· •	
Fees				
		· · · · · · · · · · · · · · · · · · ·	T	
Total Allotted				

3. All other terms and conditions remain unchanged and in effect.

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AMENDMENT OF SOLICITATION/MOD	IFICATION OF C	ONTRACT	1. CONTRACT ID	CODE	PAGE OF PAGES
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2. AMENDMENT / MODIFICATION NO. Forty-six (046)	3. EFFECTIVE DATE per Block	NO.	L-0701614	applicab	CT NO. (if le)
SSUED BY	16c		RED BY (if other tha	n Ttem 6)	
CODE		. ADMINIOTE	KED DI (II OLNEI CHA.	CODE	
NATIONAL SCIENCE FOUNDATION Division of Contracts and Comple 4201 WILSON BOULEVARD, ROOM 475 ARLINGTON, VA 22230	ex Agreements				
8. NAME AND ADDRESS OF CONTRACTOR		(X) 9A. A	MENDMENT OF SOLICITAT	ION NO.	<del></del>
Raytheon Technical Services Compa Services 7400 South Tuscan Way	ny, Polar	9B. DA	ATED (SEE ITEM 11)	· .	<del></del>
Centennial, CO 80112-3938				·	·
		1 1	MODIFICATION OF CONTR	ACT / ORDER	NO.
		X	PRSS-	-0000373	
CODE FACILITY CODE	<del></del>	10B. I	DATED (SEE ITEM 13)	<u> </u>	<del></del>
				er 1, 19	99
The above numbered solicitation is amende	M ONLY APPLIES TO A			161-2 -	
submitted; or (c) By separate letter or telegrayour ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE IN REJECTION OF YOUR OFFER. If by virtue of this telegram or letter, provided each telegram or letter opening hour and date specified.	DESIGNATED FOR THE RE amendment you desire tter makes reference	ECEIPT OF OFFE to change an o	RS PRIOR TO THE HOUR offer already submitt	AND DATE S ed, such ch	PECIFIED MAY RESULT ange may be made by
12. ACCOUNTING AND APPROPRIATION DATA (If require	ed) See atta	ched			
	APPLIES ONLY TO MODI THE CONTRACT/ORDER N	FICATIONS OF			
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO 10A.			<del></del>	ARE MADE IN	THE CONTRACT ORDER
B. THE ABOVE NUMBERED CONTRACT/ORDER IS appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED	TO THE AUTHORITY OF	FAR 43.103(b).		as changes	in paying office,
				·	·
X D. OTHER (Specify type of modification and	<u>-</u> '	∍ 52.232-2	2		
	is required to sign				issuing office.
14. DESCRIPTION OF AMENDMENT / MODIFICATION (Organies)	inized by UCF section	neadings, inc	luding solicitation /	contract s	ubject matter where
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Except as provided herein, all terms and condition unchanged and in full force and effect.	ons of the document re	eferenced in It	em 9A and 10A, as he	retofore ch	anged, remains
15A. NAME AND TITLE OF SIGNER (Type of print)		Jillia	N TITLE OF CONTRACTION  an Pate  acting Officer	NG OFFICER	(Type or print)
15B. CONTRACTOR / OFFEROR	15C. DATE SIGNED		STATES OF AMERICA		16C. DATE SIGNED
		1/1	in toA		NOV 6 2006
(Signature of person authorized to sign)		(Signat	ure of Contracting On	ficer)	NOV 6 2006
NSN 7540-01-152-8070	30-105	<del></del>	ST	ANDARD FORM	4 30 (REV. 10-83)
PREVIOUS EDITION UNUSABLE				escribed by R (48 CFR)	

# NSF Contract PRSS-0000373 Modification No. Forty-Six (046)

The purpose of this modification to NSF Contract PRSS-0000373 is to: provide additional funds, to formalize the Award Fee adjustment for Contract Year 5, to make administrative changes in Section F11, and to approve the Final FY07 Program Plan in the amount of \$150,719,901.

Accordingly, the contract is hereby modified as follows:

1:

In Block 12 of this form (SF 30) add the following accounting and appropriation data:
 14020000-5140-02XX-2542
 Increase \$ 30,000,000

2. Section B3, "Award Fee Schedule," is revised as follows to reflect the award fee score of for Contract Year Five (to include

Period	Fee Bearing Cost	Base Fee	Maximum Award Fee	Award Fee Earned
April 1, 2004	<u>                                     </u>			1
through March 31, 2005 (all WBS's)				

Section B5, Contract Funding, is revised to formalize the award fee adjustment for Contract Year Four as follows:

Element	Existing	Adjustments	Mod 046	Subtotals
Est. Cost	\$958,018,847	-\$0	\$23,479,372	981,498,219
Billable Fee		<u> </u>		
Award & Base	<del></del>		1	
Fees Total Allotted				

3. Section B, "Supplies/Services and Prices/Costs," subsection B.8, "(Incremental) Contract Funding," is revised to provide additional funds as follows:

Element	Existing	Adjustments	Mod 046	Subtotals
Est. Cost	\$958,018,847	-\$0	\$23,479,372	981,498,219
Billable Fee				
			•	
Award & Base				
Fees				<del></del>
		. 1	_	
Total Allotted			_	

4. Section F, "Deliveries or Performance," Subsection F5 "Program Plan." The Fiscal Year 2007 Annual Program Plan is hereby approved in the amount of \$150,719,901.

This plan's approval does not: (1) constitute a determination of the allowability of any costs under this contract; (2) authorize incurring cumulative contract costs in excess of the funds allocated to NSF Contract No. PRSS-000373 per the clause titled Limitation of Funds; or (3) authorize expenditures of otherwise restricted funds for purposes other than those set forth in the contract and its modifications.

5. Section F, "Deliveries or Performance," Subsection F11, "Property Reporting," paragraph "f" is revised to read as follows:

#### f. FRPP

In lieu of completing GSA Form 1166 "Quarterly Report of Real Property Owned or Leased by the United States," the contractor will be required to update the FRPP website by October 15, of each year. The FRPP website must be updated with all of the information normally found on the GSA Form 1166 and shall be complete as of September 30 of the current year.

6. It is understood that these funds are estimated to be sufficient for the performance of work through December 31, 2006.

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AMENDMENT OF SOLICITATION/MODI	LEICATION OF C	ONTRACI				PAGE 1	s 2
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NATIONAL SCIENCE FOUNDATION		1					
Division of Contracts and Comple	x Agreements						
4201 WILSON BOULEVARD, ROOM 475							
ARLINGTON, VA 22230							
8. NAME AND ADDRESS OF CONTRACTOR	<u> </u>	- W 1	n niemienien	NT OF SOLICITAT	401.110	·	
Raytheon Technical Services Compar	w Polar	(X) S	A. AMENUME	NT OF SULICITAL	TON NO.		
Services	ly, rozur					- '	
7400 South Tuscan Way		1 h	B. DATED	SEE ITEM 11)	<del></del>	<del></del>	<del></del>
Centennial, CO 80112-3938			· · · · · · · · · · · · · · · · · · ·	<b></b> ,			
Centennial, CO 00112 3330			LOA. MODIFI	CATION OF CONTE	ACT / ORDER	NO.	<del></del>
		x					
		^		PRSS	-0000373		
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					er 1, 199	30	
11. THIS ITEM	ONLY APPLIES TO A	MENDMENT	S OF SOLIC		31 1, 13.		<del></del>
The above numbered solicitation is amended				<del></del>	ified for	receipt of	Offers
IN REJECTION OF YOUR OFFER. If by virtue of this a telegram or letter, provided each telegram or letter the opening hour and date specified.  12. ACCOUNTING AND APPROPRIATION DATA (If required)	ter makes reference						
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7. 3	IE CONTRACT/ORDER N				······································		
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: 10A.	(Specify authority)	THE CHAN	GES SET FOR	RTH IN ITEM 14	ARE MADE IN	THE CONTRAC	CT ORDER
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C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED I	NTO PURSUANT TO AUTH	ORITY OF:	5 ( <del>5) .</del>				<del> </del>
X D. OTHER (Specify type of modification and FAR Clause 52.232-22 Limitation							
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E. IMPORTANT: Contractor is not, is 14. DESCRIPTION OF AMENDMENT / MODIFICATION (Organ	is required to sign					issuing o	
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15B. CONTRACTOR / OFFEROR	15C. DATE SIGNED			ES OF AMERICA		16C. DAT	E SIGNED
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(Signature of person authorized to sign)	1		UOL) XI/C		551 )	UAN	- V 201
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					R (48 CFR)		

- I. The purpose of this modification to NSF Contract PRSS-0000373 is to provide incremental funding.
- II. The contract is modified as follows:
- A. The following accounting and appropriation data is provided for Block 12 of Standard Form 30 (the front page of this modification):

14020000-5140-02XX-2542

Increase \$35,000,000

B. Section B, Supplies or Services and Prices/Costs, paragraph 5, Contract Funding, is revised to provide incremental funding as follows:

Element	Existing	Adjustments		Mod 047	Subtotals
Est. Cost	\$981,498,219		50	\$31,600,622	\$1,013,098,841
Billable Fee	<u>-</u>				<del></del>
Award & Base Fees		<del>-</del>			
Total Allotted					

It is estimated that funds for operations are sufficient for the performance of work through April 30, 2007

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8. NAME AND ADDRESS	OF CONTRACTOR	<del></del>	(X) 9A. AMENI	MENT OF SOLICITAT	ON NO.	
Raytheon Tec Services	chnical Services Comp	pany, Polar	9B DATE	) (SEE ITEM 11)		
7400 South T Centennial,	CO 80112-3938			, (000 1101 11)	Ç.	
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E. IMPORTANT: Con		is required to sign	this document a	nd return	copies to	issuing office.
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15A. NAME AND TITLE	OF SIGNER (Type of print)		Patricia	TTLE OF CONTRACTION S. Williams ing Officer	JOFFICER (	Type or print)
15B. CONTRACTOR / C	FFEROR	15C. DATE SIGNED		ATES OF AMERICA		16C. DATE SIGNED
		_	Laturen	Mans		JAN 2 9 2007

30-105

(Signature of person authorized to sign)
NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

- 1. The purpose of this modification to NSF Contract PRSS-0000373 is to provide incremental funding.
- II. The contract is modified as follows:
- A. The following accounting and appropriation data is provided for Block 12 of Standard Form 30 (the front page of this modification):

14020000-1296-05XX-2542 14020000-005F-05XX-2542

Increase \$ 2,500,000 Increase \$ 1,000,000

B. Section B, Supplies or Services and Prices/Costs, paragraph 5, Contract Funding, is revised to provide incremental funding as follows:

Element	Existing	Adjustments	Mod 047	Subtotals
Est. Cost	\$1,013,098,841	\$0	\$3,399,378	\$1,016,498,219
Billable Fee			·	
Award & Base Fees		<u>-</u>		
Total Allotted	-	· [.		

It is estimated that funds for the South Pole Station Modernization project are sufficient through June 30, 2007. It is estimated that funds for the Icecube neutrino detector project are sufficient through July 31, 2007.

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8. NAME AND ADDRESS OF CONTRACTOR	<del></del>	(X)	9A. AMENDMENT	OF SOLICITATI	ON NO.	
Raytheon Technical Services Compar Services	ny, Polar			:		
7400 South Tuscan Way	•		9B. DATED (SE	E ITEM 11)	<del></del>	
Centennial, CO 80112-3938						
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specified in the solicitation or as amended, returning copies of the amendmen submitted; or (c) By separate letter or telegrayour ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE IN REJECTION OF YOUR OFFER. If by virtue of this attelegram or letter, provided each telegram or letter the opening hour and date specified.	t; <b>(b)</b> By acknowled am which includes a designated FOR THE RE amendment you desire	dging referer CEIPT to char	receipt of the ace to the soli OF OFFERS PRIOR age an offer al	is amendment citation and a TO THE HOUR A ready submitte	on each amendment AND DATE S d, such ch	copy of the offer numbers. FAILURE OF PECIFIED MAY RESULT ange may be made by
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etc.) SET FORTH IN ITEM 14, PURSUANT C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED I	TO THE AUTHORITY OF I	AR 43.	103(b).	·		
C. INIS SUFFLEMENTAL AGREEMENT IS ENTERED I	NIO PORSOANI IO ACIRC	KIII O				
X D. OTHER (Specify type of modification and FAR 43.103 (a) (3)	authority)					
E. IMPORTANT: Contractor X is not,	s required to sign	this	document and r	eturn	copies to	issuing office.
14. DESCRIPTION OF AMENDMENT / MODIFICATION (Organ	nized by UCF section	headin	gs, including so			
feasible.)						
See attached.						
Except as provided herein, all terms and condition unchanged and in full force and effect.	s of the document re	ference	ed in Item 9A ar	nd 10A, as her	etofore ch	anged, remains
15A. NAME AND TITLE OF SIGNER (Type of print)	<del></del>	16A.	NAME AND TITLE	OF CONTRACTIN	G OFFICER	(Type or print)
			Karen Milli			
15B. CONTRACTOR / OFFEROR	15C. DATE SIGNED	16B	Contracting UNITED STATES	OF AMERICA	·	16C. DATE SIGNED
222 Continuous / Cliffian	1 200. Daile Stones	1.05.	) — —	OF PREVIOU		1
		l k	aren M	illian.		4/6/2007
(Signature of person authorized to sign)		<del>-  </del>	(Signature of C	Contracting Of	ficer)	1 ''
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PREVIOUS EDITION UNUSABLE					scribed by (48 CFR)	

### NSF Contract PRSS-0000373 Modification No. Forty-Nine (049)

- I. The purpose of this modification to NSF Contract PRSS-0000373 is to:
  - A. Formalize the Award Fee adjustment for Contract Year 6;
  - B. Update Key Personnel Clause; and
  - C. Update Section I clause for Duty Free Entry.
- II. The contract is specifically modified as follows:

A. Section B, Supplies or Services and Prices/Costs, subsection B3, Award Fee Schedule, is revised as follows to reflect the award fee score of for Contract Year Six:

Period	Fee Bearing	Base	Maximum	Award Fee
	Cost	Fee	Award Fee	Earned
April 1, 2005 through March 31, 2006 (all WBS's)		<b>,</b> 		 

B. Section H, Special Contract Requirements, subsection H2, Key Personnel, is updated as follows:

Title	Individual	Percent of Labor Effort
Program Manager	_	100%
Director of Operations	<del></del>	100%
Project Management Office (PMO) Manager	<del></del>	100%
Medical Director		100%
Environmental, Health & Safety Director	<del></del>	100%
Director Science Support	Name of the second of the seco	100%
Director Logistics	<del></del>	100%
Director FEMC	<del></del>	100%
Director Information Technology and	<del></del>	100%
Communications		
South Pole Redevelopment Project Manager		100%

C. Section I, Contract Clauses, is modified to include "FAR 52.225-8, Duty Free Entry (Feb 2000)" and delete reference to "FAR 52.225-10, Duty Free Entry (Apr 1984)".

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AMENDMENT OF SOLICITATION/MOD	DIFICATION OF C	ONTRACT	1. CONTRACT ID		PAGE OF PAGES 5
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Fifty (050)	per Block	NO.		applica	
	16c	AIL-0738022			
6. ISSUED BY CODE		7. ADMINISTERED BY (if other than Item 6) CODE			
NATIONAL SCIENCE FOUNDATION Division of Contracts and Complex Agreem 4201 WILSON BOULEVARD, ROOM 475 ARLINGTON, VA 22230					
8. NAME AND ADDRESS OF CONTRACTOR		(X)   9A, AMER	DMENT OF SOLICITATI	ON NO.	
Raytheon Technical Services Compa Services	ny, Polar				
7400 South Tuscan Way		9B. DATE	D (SEE ITEM 11)		· · · · · · · · · · · · · · · · · · ·
Centennial, CO 80112-3938		10A, MOI	IFICATION OF CONTRA	CT / ORDE	NO.
		1 x			
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	M ONLY APPLIES TO A		Novembe	r 1, 19	99
YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE IN REJECTION OF YOUR OFFER. If by virtue of this telegram or letter, provided each telegram or let the opening hour and date specified.	amendment you desire tter makes reference	to change an off	er already submitte	d, such ch	ange may be made b
12. ACCOUNTING AND APPROPRIATION DATA (If require	See atta	ched			
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B. THE ABOVE NUMBERED CONTRACT/ORDER IS appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT			VE CHANGES (such a	s changes	in paying office
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED I	INTO PURSUANT TO AUTHO	ORITY OF:			
X D. OTHER (Specify type of modification and FAR 52.232-22 Limitation of Fu	authority) inds and FAR 43	.103 (a)(3)	•		
E. IMPORTANT: Contractor is not,	is required to sign	this document	and return	copies to	issuing office.
14. DESCRIPTION OF AMENDMENT / MODIFICATION (Orga	nized by UCF section	headings, includ	ing solicitation /	contract s	ubject matter where
feasible.)					
See attached.			• .		
Except as provided herein, all terms and condition unchanged and in full force and effect.	ns of the document re	ferenced in Item	9A and 10A, as here	etofore ch	anged, remains
15A. NAME AND TITLE OF SIGNER (Type of print)	· · · <del>- · · · · · · · · · · · · · · · ·</del>	16A. NAME AND T	TITLE OF CONTRACTING	OFFICER	(Type or print)

(Signature of person authorized to sign) NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE

Jeanne Hill-Jurik

Manager, Program Contracts
15B. CONTRACTOR / OFFEROR

30-105

15C. DATE SIGNED

7 June 2007

(Signature of Contracting Officer) STANDARD FORM 30 (REV. 10-83) Prescribed by GSA

16C. DATE SIGNED

FAR (48 CFR) 53.243

Karen Millisor

16B. UNITED STATES OF AMERICA

Contracting Officer

- I. The purpose of this modification to NSF Contract PRSS-0000373 is to:
  - A. Add incremental funding in the amount of \$33,400,000;
  - B. Update Section B of the contract as follows:
    - i. Correct Modifications 046 to reflect the correct Award Fee Payout for Contract Year (CY) 05
    - ii. As a result of the above correction to Modification 046, correct Modifications 047- 049 to reflect flow down changes to estimated cost and billable fee in Paragraph B5, Contract Funding;
    - iii. The subject modification (050) will indicate the Award Fee Payout for CY 06; and,
    - iv. Change reference from "B8" to "B5" in Modifications 034, 035, 036, 037, 038, 040, 041, 042, 044, 045, and 046.
  - C. Update Section G, paragraph 8, NSF Property Officer Designation and Authority.
- II. The contract is specifically modified as follows:
  - A. Standard Form 30 is modified as follows:

The following accounting and appropriation data is provided for Block 12 of Standard Form 30 (the front page of this modification):

14020000-5140-02XX-2542 14000000-005F-05XX-2542

Increase \$ 32,800,000 Increase \$ 600,000

#### B. SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS

i. Modification 046, paragraph B8, (Incremental) Contract Funding is deleted in its entirety. Modification 046, paragraph B5, Contract Funding, is being corrected to reflect award fee payout for CY 05 and to correct Estimated Cost and Billable Fee amounts. Replace Modification 046, paragraph B5, Contract Funding, with the following:

Element	Existing	Adjustments	Mod 046	Subtotals
Est. Cost	\$958,018,847	-\$1,168,909	\$28,873,917	\$985,723,855
Billable Fee	<u>'</u>			
Award & Base Fees	<u> </u>	·		
Total Allotted		<b>1</b>		

It is understood that these funds are estimated to be sufficient for the performance of work through December 31, 2006.

ii. Modification 047, paragraph B5, Contract Funding, is being modified to reflect the flow-down corrections from Modification 046. Replace Modification 047, paragraph B5, Contract Funding, with the following:

Element	Existing	Adjustments	Mod 047	Subtotals
Est. Cost	\$985,723,855	\$0	\$31,600,622	\$1,017,324,477
Billable Fee	· ]	<b>.</b>		
Award & Base Fees	<del></del>	· · · · · · · · · · · · · · · · · · ·		
Total Allotted				

It is estimated that funds for operations are sufficient for the performance of work through April 30, 2007

iii. Modification 048, paragraph B5, Contract Funding, is being modified to reflect the flow-down corrections from Modification 046. Replace Modification 048, paragraph B5, Contract Funding, with the following:

Element	Existing	Adjustments	Mod 048	Subtotals
Est. Cost	\$1,017,324,477	\$0	\$3,399,378	\$1,020,723,855
Billable Fee	<u> </u>			
Award & Base Fees	<del> -</del>			
Total Allotted	, I	•		

It is estimated that funds for the South Pole Station Modernization project are sufficient through June 30, 2007. It is estimated that funds for the Icecube neutrino detector project are sufficient through July 31, 2007.

iv. Modification 049 is being modified to add paragraph B5, Contract Funding, to reflect the flow-down corrections from Modification 046 and the award fee payout for CY 06. Add paragraph B5, Contract Funding to Modification 049 as follows:

Element	Existing	Adjustments	Mod 049	Subtotals
Est. Cost	\$1,020,723,855	-\$839,036	\$0	\$1,019,884,819
Billable Fee				
Award & Base Fees	<del></del>			
Total Allotted				

v. Modification 050 (the subject modification), shall revise Paragraph B5, Contract Funding, to add incremental funding in the amount of \$33,400,000 as follows:

Element	Existing	Adjustments	Mod 050	Subtotals
Est. Cost	\$1,019,884,819	-\$0	\$32,439,782	\$1,052,324,601
Billable Fee	<del></del> <del></del>	• •		
Award & Base Fees	<del></del>			
Total Allotted				

It is estimated that \$32,800,000 of the funds provided by this modification for the operations of the USAP are sufficient through August, 2007. It is estimated that \$600,000 of the funds provided by this modification for the Icecube neutrino detector project are sufficient through September 2007.

- vi. Further corrections to Section B include changing reference from paragraph "B8 (Incremental) Contract Funding" (erroneously put in Modifications 034, 035, 036, 037, 038, 040, 041, 042, 044, 045) to paragraph "B5 Contract Funding". As stated above, "B8" and the table associated with it in Modification 046 is deleted in its entirety.
- C. SECTION G CONTRACT ADMINISTRATION DATA is modified to reflect a change to paragraph G8, NSF Property Officer Designation and Authority, to designate a new property officer, as follows:

#### G8. NSF PROPERTY OFFICER DESIGNATION AND AUTHORITY

The Contracting Officer hereby designated Teresa Pierce, Division of Administrative Services, Property and Records Section (phone: 703-292-7555; e-

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mail: tpierce@nsf.gov) as the cognizant NSF Property Officer. The Property Officer may issue direction regarding the accountability of Government property (including its disposition). IN NO EVENT, however, will any understanding, agreement, modification, change order, or other matter deviating from the terms of this contract be effective or binding upon the Government unless formalized by proper contractual documents executed by the Contracting Officer prior to completion of the contract.

III. All other terms and conditions remain unchanged.