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1. LINE ITEM NO. 1	2. CDRL TITLE Task Implementation Plan	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (1 hard cy plus 1 electronic cy) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 hard cy plus 1 electronic cy) Customer, Code AFM, M/S 210-1010 (1 electronic cy)			<p>Delivery of initial Plan 30 days after contract award. Acceptance of Plan NLT 60 days after contract award. For option years, the Government will specify detailed requirements 60 days prior to option start date and the Contractor shall deliver draft Plan NLT 30 days prior to option start date. Government will accept Plan for each option 30 days after option start date.</p> <p>The Contractor shall include the following in the Task Implementation Plan:</p> <p>(a) Define the Work Breakdown Structure (WBS) necessary to execute the tasks specified in the Statement of Work (SOW), the associated resources, schedule and budget;</p> <p>(b) Address any known technical and cost risks appendant to the Contractor's proposed approach.</p> <p>(c) Define the task and sequence of tasks that shall be performed to provide orderly technical development, design, review, interface, test and integration as required.</p> <p>(d) Provide plans, such as configuration, logistics, software, verification, integration and the appendant tests.</p>	

1. LINE ITEM NO. 2	2. CDRL TITLE Monthly Progress Report/Final Report	3. FREQUENCY Monthly	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION Contracting Officer's Technical Representative (COTR) Code TBD (2 cys, one hard copy and one electronic via email using Microsoft Office 2000/2001 or higher) Alternate COTR, Code TBD (1 electronic cy) Contracting Officer (CO) Code JAZ, M/S 241-1 (1 electronic cy) Commercial Technology Office, Code DK, M/S 202A-3 (1 electronic cy) The Contractor shall include a completed Report Documentation Page (SF 298) as the final page of each technical report (e.g., monthly, quarterly, final) submitted. In addition, a reproducible copy and a printed or reproduced copy of the reports shall be sent to: NASA Center for AeroSpace Information (CASI) Attn: Accessioning Department 7121 Standard Drive Hanover, MD 21076-1320			8. REMARKS To be delivered not later than the 10th working day after each full month of service. The Contractor shall provide the Government with a monthly technical management, business management, and technical performance summary. The report shall contain brief status information in narrative form, by task; issues, performance and problems which may impede performance, recommended action items for both the Government and the Contractor; risk assessment and productivity metrics.	

1. LINE ITEM NO. 3	2. CDRL TITLE Technical Interchange Meeting (TIM)	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input type="checkbox"/> Scheduled submittal <input checked="" type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION COTR, Code TBD (1 cy of presentation material in electronic format on a CD ROM, using Microsoft Office 2000/2001 or later version) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-1010, (1 electronic cy)			8. REMARKS Upon notification from the Government, the Contractor shall provide support for Technical Interchange Meetings (TIMs) and ACES workshops. The frequency of TIM's will not exceed two per year for the duration of the contract. The frequency of the ACES workshops will not exceed two per year for the duration of the contract. The total number of TIMs and workshops combined will not exceed three per contract period. Support for the TIMs includes preparing and giving presentations. Support for the ACES workshops includes preparing and giving presentations as well as providing information and advice to users developing models and other software to interface with ACES.	

1. LINE ITEM NO. 4	2. CDRL TITLE Data Protection Agreements	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input checked="" type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION CO, Code JAZ, M/S 241-1 (1 hard cy plus 1 electronic cy)) COTR, Code TBD (1 hard cy plus 1 electronic cy)			8. REMARKS The Government retains all rights to all software developed under this contract. All source code shall be delivered to the Government. No copyrights or proprietary code shall be delivered. This applies to all software delivered by the prime Contractor and its subcontractors.	

1. LINE ITEM NO. 5	2. CDRL TITLE Interim Subcontract Reporting System (iSRS) (formerly Subcontracting Report SF 294)	3. FREQUENCY Semi-annually	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION Electronic submission to: Subcontracting Reporting System (eSRS) at http://esrs.gov .			8. REMARKS The contractor shall submit Interim Subcontract Report (ISR), utilizing the web based electronic Subcontracting Reporting System (eSRS), in accordance with clause 52.219-9 <i>Small Business and Small Disadvantaged Business Subcontracting Plan</i> . The subcontracting data is due 30 days after the close of each reporting period. Reporting periods end March 31 and September 30. A report is also due 30 days after contract completion.	

1. LINE ITEM NO. 6	2. CDRL TITLE Summary Subcontracting Report (SSR) (formerly SF 295)	3. FREQUENCY Semi-annually	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION Electronic submission to: Subcontracting Reporting System (eSRS) at http://esrs.gov .			8. REMARKS The contractor shall submit Summary Subcontract Report (SSR) utilizing the web based Electronic Subcontracting Reporting System (eSRS) in accordance with clause 52.219-9 <i>Small Business and Small Disadvantaged Business Subcontracting Plan</i> . The subcontracting data is due 30 days after the close of each reporting period. Reporting periods end March 31 and September 30. A report is also due 30 days after contract completion.	

1. LINE ITEM NO.	2. CDRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
7	New Technology Report	Annual	See Remarks	See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION Commercial Technology Office, Code DK, M/S 202A-3 (original plus 1 electronic cy) CO, Code JAZ, M/S 241-1 (1 hard cy plus 1 electronic cy) COTR, Code AT, M/S 262-5 (1 electronic cy)			8. REMARKS Interim reports shall be submitted annually. If there are no reportable items, a negative report is required. The Contractor shall submit New Technology Reports or reportable items in accordance with Section G clauses 1852.227-70, <i>New Technology</i> , and 1852.227-72, <i>Designation of New Technology Representative and Patent Representative</i> .	

1. LINE ITEM NO.	2. CDRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
8	Safety and Health Plan	Quarterly	See Remarks	See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION COTR, Code TBD (1 electronic cy) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy)			8. REMARKS The contractor shall provide a Safety and Health Plan addressing issues pertinent to safe operations in all areas of responsibility under the contract for review by the Ames Occupations Safety, Health and Medical Services Offices. The plan shall include health and environmental compliance regulations applicable to this contract. The plan is required before contract award and shall be updated in accordance with NFS clause 1852.223-70, Safety and Health.	

1. LINE ITEM NO.	2. CDRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
9	Subcontract Consent Package	See Remarks	See Remarks	See Distribution
6. DATA TYPE: <input type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION CO, Code JAZ, M/S 241-1 (1 original cy plus 1 electronic cy)			8. REMARKS The Contractor shall submit subcontract consent package(s) in accordance with FAR 52.244-2 or as specifically requested by the Contracting Officer.	

1. LINE ITEM NO. 10	2. CDRL TITLE ACES Top Level Modeling System Requirements Document	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION COTR, Code TBD (1 hard cy plus 1 electronic cy) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 hard cy plus 1 electronic cy) Customer, Code AFM, M/S 210-1010 (1 electronic cy)			8. REMARKS Contractor shall deliver draft Top Level Modeling System Requirements Documentation 30 after the beginning of each build period. Government will accept Top Level Modeling System Requirements Documentation NLT 45 days after the delivery. Government approval is required before acceptance. The Contractor shall develop the Top Level Modeling System Requirements Documentation that will satisfy all the requirements of the SOW. This includes descriptions of the models/functions, software (including architecture), and data requirements.	

1. LINE ITEM NO. 11	2. CDRL TITLE Property Management Report	3. FREQUENCY Quarterly	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION CO, Code JAZ, M/S 241-1 (1 hard cy plus 1 electronic cy) Equipment Management Specialist, Code JES, M/S 255-2 (1 original plus 1 electronic cy) COTR, Code TBD (1 electronic cy)			8. REMARKS At the end of the first quarter after the date of contract award, the Contractor shall submit a Property Management Report itemizing all purchases for the quarter and every quarter thereafter. If there are no purchases a negative report is required. All orders, items received, and prices must be included. The Contractor shall use DD Form 1342, DoD Property Record, to report Government property that is centrally reportable equipment to the NASA Equipment Management System (NEMS): 1) at the time of receipt and acceptance of accountability; 2) when major changes occur in the data initially submitted to NASA; and, 3) when the equipment is no longer required for or actively being used in pursuit of this contract. The Contractor shall complete Section I of the DD Form 1342, as well as indicating the current condition code of equipment reported pursuant to (3) above. Reportable data shall be forwarded through the contracting officer within 15 working days after the event that created the need for their preparation and shall be marked "FOR NEMS".	

1. LINE ITEM NO. 12	2. CDRL TITLE Initial Financial Management Report	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION COTR, Code AT, M/S 262-5 (1 electronic cy) Alternate COTR, Code AT, M/S 262-5 (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 original cy plus 1 electronic cy) Financial Management Division, Code CF, M/S 203-18 (1 hard cy plus 1 electronic cy) Resources Management Office (RMO), Code CR, M/S 201-2 (1 electronic cy)			8. REMARKS Submission 30 days after effective date of contract. The Contractor and each major subcontractor shall submit an initial financial management report on NASA Form 533Q and M (or computer-generated version) in accordance with the instructions on the reverse side of the forms and the NASA Handbook (NHB) 9501.2C, <i>NASA Contractor Financial Management Reporting System</i> , located at the URL: http://nodis.hq.nasa.gov/Library/Directives/NASA-WIDE/Procedures/Financial_Management/N_PG_9501_2C.html and as set forth below. Reporting categories shall be elements of cost and shall include: total direct labor hours (excluding subcontract); direct labor hours (subcontractors); direct labor costs; overhead and G&A (Prime Contractor); total direct labor, overhead, and G&A (subcontractors); other direct costs (ODCs), G&A/handling charge on ODCs; total other direct costs; award fee. Reports will also provide data on planned and actual costs and labor hours, projections and estimates to complete. The offerors shall provide a roll-up summary report. The Contractor and each major subcontractor shall complete all blocks as appropriate.	

1. LINE ITEM NO. 13	2. CDRL TITLE Quarterly Financial Management Report	3. FREQUENCY Quarterly	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION COTR, Code TBD (1 electronic cy) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 original cy plus 1 electronic cy) Financial Management Division, Code CF, M/S 203-18 (1 electronic cy) Resources Management Office (RMO), Code CR, M/S 201-2 (1 electronic cy)			8. REMARKS Submission not later than the 15th day of the month preceding the quarter being projected. The Contractor and each major subcontractor shall submit a quarterly financial management report on NASA Form 533Q (or computer-generated version) in accordance with the instructions on the reverse side of the forms and the NASA Handbook (NHB) 9501.2C, <i>NASA Contractor Financial Management Reporting System</i> , located at the URL: http://nodis.hq.nasa.gov/Library/Directives/NASA-WIDE/Procedures/Financial Management/N PG 9501 2C.html and as set forth below. Reporting categories shall be elements of cost and shall include: total direct labor hours (excluding subcontract); direct labor hours (subcontractors); direct labor costs; overhead and G&A (Prime Contractor); total direct labor, overhead, and G&A (subcontractors); other direct costs (ODCs), G&A/handling charge on ODCs; total other direct costs; award fee. The offerors shall provide a roll-up summary report. Reports will also provide data on planned and actual costs and labor hours, projections and estimates to complete. The Contractor and each major subcontractor shall complete all blocks as appropriate.	

1. LINE ITEM NO. 14	2. CDRL TITLE Monthly Financial Management Report	3. FREQUENCY Monthly	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION COTR, Code TBD (1 electronic cy) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 original cy plus 1 electronic cy) Financial Management Division, Code CF, M/S 203-18 (1 electronic cy) Resources Management Office (RMO), Code CR, M/S 201-2 (1 electronic cy)			8. REMARKS Not later than 10 days after the end of the Contractor's monthly accounting period. NOTE: This report is Desired by the end of the 11th calendar day of each month The Contractor and each major subcontractor shall submit a monthly financial management report on NASA Form 533 M (or computer-generated version) in accordance with the instructions on the reverse side of the forms and the NASA Handbook (NHB) 9501.2C, <i>NASA Contractor Financial Management Reporting System</i> , located at the URL: http://nodis.hq.nasa.gov/Library/Directives/NASA-WIDE/Procedures/Financial Management/N PG 9501 2C.html and as set forth below. Reporting categories shall be elements of cost and shall include: total direct labor hours (excluding subcontract); direct labor hours (subcontractors); direct labor costs; overhead and G&A (Prime Contractor); total direct labor, overhead, and G&A (subcontractors); other direct costs (ODCs), G&A/handling charge on ODCs; total other direct costs; award fee. Reports will also provide data on planned and actual costs and labor hours, projections and estimates to complete. The offerors shall provide a roll-up summary report. The Contractor and each major subcontractor shall complete all blocks as appropriate.	

1. LINE ITEM NO. 15	2. CDRL TITLE Earned Value Report	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (1 electronic cy) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 original cy plus 1 electronic cy) Customer, Code AFM, M/S 210-10 (1 electronic cy)			Submittal date is at the end of each reporting month for the contract. See NASA Policy Directive (NPD) 9501.3 for further information. The URL for the policy directive is cited below. http://nodis.gsfc.nasa.gov/Library/Directives/NASA-WIDE/Policies/Financial_Management/N_PD_9501_3.html The Contractor shall include the following on all Earned Value Reports: (a) Define all authorized work and related resources to meet the requirements of the contract, using the Work Breakdown Structure; (b) Identify the internal organizational elements and the major subcontractors responsible for accomplishing the authorized work; (c) Identify physical products, milestones, technical performance goals, or other indicators that will be used to measure output; (d) Establish budgets for all authorized work with separate identification of cost elements in terms of dollars, hours, or other measurable units. Where the entire cost account cannot be subdivided into detailed work packages, identify far-term effort in larger planning packages; (e) Provide that the sum of all work package budgets, plus planning packages budgets within a cost account equals the cost account budget; (f) Identify management reserves and undistributed budget. (g) Identify at the cost account level on a monthly basis using data from, or reconcilable with, the accounting system; (h) Identify significant differences on a monthly basis between planned and actual schedule accomplishment and the reasons; (i) Develop revised estimates of cost at completion for WBS elements identified in the contract and compare these with the contract budget base and the latest statement of funds requirements reported to the Government; (j) Incorporate contractual changes expeditiously, recording the effects of such changes in budgets and schedules.	

1. LINE ITEM NO. 16	2. CDRL TITLE Software & Data Development Plan	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (1 hard cy plus 1 electronic cy) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10 (1 electronic cy)			Delivery of initial Plan 30 days after contract award. Government Acceptance of Plan NLT 60 days after contract award. Government approval is required before acceptance. For option years, the Government will specify detailed requirements 60 days prior to option start date and the Contractor shall deliver draft Plan NLT 30 days prior to option start date. Government will accept Plan for each option 30 days after option start date. The Contractor shall develop the Software & Data Development Plan that will document the process used to manage software development and to manage data files used in the development and use of ACES as required per SOW.	

1. LINE ITEM NO. 17	2. CDRL TITLE ACES User Guide	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (3 cys, one hard copy; one electronic on a CD ROM, using Microsoft Office 2000/2001 or later version; one electronic on a CD ROM in Adobe Portable Document Format (PDF) or Hypertext Markup Language (HTML) format.) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10 (1 electronic)			Contractor shall deliver draft User Guide 30 days before the end of each build period. Government will accept User Guide NLT 15 days after the end of each build period. Government approval is required before acceptance. The Contractor shall develop the ACES User Guide that will satisfy all the requirements of the SOW and will include the following: <ul style="list-style-type: none"> (a) Guidance for users in the use of ACES and its existing models and agents; (b) Guidance for system administrators installing and maintaining ACES; (c) Detailed examples of installing and using ACES and its existing models an agents; (d) Complete descriptions of ACES input and output data and data formats. 	

1. LINE ITEM NO. 18	2. CDRL TITLE ACES Programmers Guide	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (3 cys, one hard copy; one electronic on a CD ROM, using Microsoft Office 97/98 or later version; one electronic on a CD ROM in Adobe Portable Document Format (PDF) or Hypertext Markup Language (HTML) format.) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10 (1 electronic cy)			Contractor shall deliver draft Programmers Guide 30 days before the end of each build period. Government will accept Programmers Guide NLT 15 days after the end of each build period. Government approval is required before acceptance. The Contractor shall develop the ACES Programmers Guide that will satisfy all the requirements of the SOW and will include the following: (a) Guidance for users that wish to write or modify software agents, activities and functions for the ACES system and its existing models; (b) Detailed examples of how to write or modify software agents, activities and functions for the ACES system and its existing models;	

1. LINE ITEM NO. 19	2. CDRL TITLE System Design Documentation	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (3 cys, one hard copy; one electronic on a CD ROM, using Microsoft Office 97/98 or later version; one electronic on a CD ROM in Adobe Portable Document Format (PDF) or Hypertext Markup Language (HTML) format.) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10 (1 electronic cy)			Contractor shall deliver draft System Design Documentation 30 days before the end of each build period. Government will accept System Design Documentation NLT 15 days after the end of each build period. Government approval is required before acceptance. The Contractor shall develop the System Design Documentation that will satisfy all the requirements of the SOW. This includes descriptions of the functional capabilities, limitations, performance, design constraints and system interfaces for the ACES modeling system and its subsystems. It will also include specification of the data exchange interface between models used in simulations. Documentation shall include as a minimum: (a) Model & Architecture System/Subsystem Specification (b) Engineering Design Documentation (c) Software Design Documentation	

1. LINE ITEM NO. 20	2. CDRL TITLE Test & Verification Documentation	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (3 cys, one hard copy; one electronic on a CD ROM, using Microsoft Office 97/98 or later version; one electronic on a CD ROM in Adobe Portable Document Format (PDF) or Hypertext Markup Language (HTML) format.) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10(1 electronic cy)			Contractor shall deliver draft Test & Verification Documentation 30 days before the end of each build period. Government will accept Test & Verification Documentation NLT 15 days after the end of each build period. Government approval is required before acceptance. The Contractor shall develop the Test and Verification Documentation that will satisfy all the requirements of the SOW and will include the following as a minimum: (a) System Test Descriptions (b) Input and output files for all tests. (c) System Test and Verification Report (d) Test coverage within Traceability Matrix	

1. LINE ITEM NO. 21	2. CDRL TITLE ACES Software Source Code, Binaries and Data	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
	COTR, Code TBD (1 electronic cy) Alternate COTR, Code TBD (1 electronic) Customer, Code AFM, M/S 210-10 (1 electronic cy)	<p>The Contractor shall install copies of all ACES Software Source Code, Binaries and Data onto systems in the ACES Lab at the NASA Ames Research Center. The Contractor shall demonstrate this software as being operational according to the following schedule:</p> <p>Base Period, ACES Build 7.1 is due 12 months after contract award, ACES Build 8.1 is due 24 months after contract award Option Period 1, ACES Build 9.1 is due 36 months after contract award Option Period 2, ACES Build 10.1 is due 48 months after contract award Option Period 3, ACES Build 11.1 is due 60 months after contract award</p> <p>In addition, the contractor shall deliver candidate builds 3 months prior to each build, for evaluation and feedback.</p> <p>The Contractor shall deliver as a minimum:</p> <ul style="list-style-type: none"> (a) ACES source code and binaries (b) ACES input and output data files. 		

1. LINE ITEM NO. 22	2. CDRL TITLE Additional Software Source Code, Binaries and Data	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (1 electronic cy) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10 (1 electronic cy)			The Contractor shall install source code, binaries and data for all software developed under the contract, excluding software included in the ACES builds, onto systems in the ACES Lab at the NASA Ames Research Center. The Contractor shall demonstrate this software as being operational at the end of each build period. The Contractor shall deliver as a minimum: (a) All source code and binaries; (b) All associated input and output data files	

1. LINE ITEM NO. 23	2. CDRL TITLE Systems Engineering & Integration Data	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (1 electronic cy) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10 (1 electronic cy)			The Contractor shall install copies of all databases, data files and documentation generated and maintained for Systems Engineering & Integration Task of the SOW onto systems in the ACES Lab at the NASA Ames Research Center. The Contractor shall demonstrate this as being operational at the end of each build period.	

1. LINE ITEM NO. 24	2. CDRL TITLE Project Briefings	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input type="checkbox"/> Scheduled submittal <input checked="" type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION COTR, Code TBD (1 cy of presentation material in electronic format on a CD ROM, using Microsoft Office 2000/2001 or later version) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10, (1 electronic cy)			8. REMARKS Upon notification from the Government, the Contractor shall brief the Government on project status and future plans. The frequency of Briefings will not exceed two per year for the duration of the contract.	

1. LINE ITEM NO. 25	2. CDRL TITLE Usability Improvement Plan	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION COTR, Code TBD (1 hard cy plus 1 electronic cy) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 hard cy plus 1 electronic cy) Customer, Code AFM, M/S 210-1010 (1 electronic cy)			8. REMARKS Delivery of initial Plan 30 days after contract award. Acceptance of Plan NLT 60 days after contract award. For option years, the Government will specify detailed requirements 60 days prior to option start date and the Contractor shall deliver draft Plan NLT 30 days prior to option start date. Government will accept Plan for each option 30 days after option start date.	

1. LINE ITEM NO. 26	2. CDRL TITLE Scenario Analysis Data & Report (Optional Report)	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION COTR, Code TBD (3 cys, one hard copy; one electronic on a CD ROM, using Microsoft Office 97/98 or later version; one electronic on a CD ROM in Adobe Portable Document Format (PDF) or Hypertext Markup Language (HTML) format.) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10, (1 electronic cy)			8. REMARKS Funding for this report is uncertain, but it is included as an optional report that may be funded. The Contractor shall deliver the Scenario Analysis Data at the end of the option period in which the report is funded. The Contractor shall deliver the Scenario Analysis Report NLT 15 days after the end of the option period in which the task is funded. The Contractor shall develop the Scenario Analysis Data & Report to satisfy all the requirements of the SOW. The Contractor shall deliver as a minimum: <ul style="list-style-type: none"> (a) All input and scenario configuration files (b) All output files (c) Source files for all scripts and software developed (d) Scenario Analysis Report 	

1. LINE ITEM NO. 27	2. CDRL TITLE Future Implementation Recommendations	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION COTR, Code TBD (1 cy of report in electronic format on a CD ROM, using Microsoft Office 2000/2001 or later version) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10, (1 electronic cy)			8. REMARKS The Contractor shall deliver the Future Implementation Recommendations NLT 15 days after the end of Option Period 3.	

1. LINE ITEM NO.	2. CDRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
28	IT Security Plan	See Remarks	See Remarks	See Distribution
	6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required			
	7. DISTRIBUTION	8. REMARKS		
	COTR, Code (TBD) (1 electronic cy) Alternate COTR, Code (TBD), (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy)	The Contractor shall prepare and submit an IT Security Plan for Government Approval in accordance with NFS clause 1852.204-76 within 30 days after contract award.		
1. LINE ITEM NO.	2. CDRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
29	ACES Capabilities Document	See Remarks	See Remarks	See Distribution
	6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required			
	7. DISTRIBUTION	8. REMARKS		
	COTR, Code TBD (3 cys, one hard copy; one electronic on a CD ROM, using Microsoft Office 97/98 or later version; one electronic on a CD ROM in Adobe Portable Document Format (PDF) or Hypertext Markup Language (HTML) format.) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10 (1 electronic cy)	Contractor shall deliver draft ACES Capabilities Documentation 30 days before the end of each build period. Government will accept ACES Capabilities Documentation NLT 15 days after the end of each build period. Government approval is required before acceptance. The Contractor shall develop the ACES Capabilities Documentation that will satisfy all the requirements of the SOW. This consists of descriptions of the functional capabilities implemented in ACES.		

1. LINE ITEM NO.	2. CDRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
30	ACES Traceability Matrix	See Remarks	See Remarks	See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (3 cys, one hard copy; one electronic on a CD ROM, using Microsoft Office 97/98 or later version; one electronic on a CD ROM in Adobe Portable Document Format (PDF) or Hypertext Markup Language (HTML) format.) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10 (1 electronic cy)			Contractor shall deliver draft ACES Traceability Matrix Documentation 30 days before the end of each build period. Government will accept ACES Traceability Matrix Documentation NLT 15 days after the end of each build period. Government approval is required before acceptance. The Contractor shall develop the ACES Traceability Matrix Documentation that will satisfy all the requirements of the SOW. This document includes traces of ACES various development/implementation items to requirements; i.e., ACES design and test cases to use cases and requirements of any new development. It provides a coverage view of ACES implementation.	

1. LINE ITEM NO.	2. CDRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
31	ACES Use Cases	See Remarks	See Remarks	See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (3 cys, one hard copy; one electronic on a CD ROM, using Microsoft Office 97/98 or later version; one electronic on a CD ROM in Adobe Portable Document Format (PDF) or Hypertext Markup Language (HTML) format.) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10 (1 electronic cy)			Contractor shall deliver draft ACES Use Cases Documentation 15 days after the start of each development task. Government will accept ACES Use Cases Documentation NLT 15 days after the delivery. Government approval is required before acceptance. The Contractor shall develop the ACES Use Cases Documentation that will satisfy all the requirements of the SOW. This document describes each case from a researcher/user point of view as a minimum.	

1. LINE ITEM NO.	2. CDRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
32	ACES Data Model	See Remarks	See Remarks	See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR, Code TBD (3 cys, one hard copy; one electronic on a CD ROM, using Microsoft Office 97/98 or later version; one electronic on a CD ROM in Adobe Portable Document Format (PDF) or Hypertext Markup Language (HTML) format.) Alternate COTR, Code TBD (1 electronic cy) CO, Code JAZ, M/S 241-1 (1 electronic cy) Customer, Code AFM, M/S 210-10 (1 electronic cy)			Contractor shall deliver draft ACES Data Model Documentation 30 days before the end of each build period. Government will accept ACES Data Model Documentation NLT 15 days after the end of each build period. Government approval is required before acceptance. The Contractor shall document the ACES Data Model that will satisfy all the requirements of the SOW. This document includes a diagram of all the tables and their inter-relationship as described by a relational database.	

1. LINE ITEM NO.	2. CDRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
33	Mishap Reporting	See Remarks	See Remarks	See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR; Code TBD, M/S TBD (1 cy electronic) Alternate COTR, Code TBD (1 electronic cy) CO; Code JAZ, M/S 241-1 (1 cy electronic) Office of Occupational Safety, Health, and Environmental Services, Code QH, M/S 218-1 (original filed at http://nasa.ex3host.com/IRIS)			The Contractor shall file a mishap report using the Incident Reporting Information System (IRIS) http://nasa.ex3host.com/IRIS within 24 hours after the incident for initial notification of any accidental injury or illness to a NASA civil servant, contractor or visitor and NASA related accidental human injury, illness, property damage or close call;	

1. LINE ITEM NO. 34	2. CDRL TITLE IT Security Training Progress Report	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR; Code TBD, M/S TBD (1 cy electronic) Alternate COTR, Code TBD (1 electronic cy) CO; Code JAZ, M/S 241-1 (1 cy electronic)			<p>Information Technology (IT) security training is mandatory for all federal employees, contractors, students and associates who use NASA Federal IT assets and information. This applies to both supervisory and non-supervisory personnel and is available through the System for Administration, Training, and Educational Resources for NASA (SATERN) at https://satern.nasa.gov/</p> <p>Center-wide progress toward 100 percent completion of this requirement will be tracked by organization and reported to center management. To ensure that Ames Research Center meets required agency metrics, the center must be 100 percent complete in IT security training each year by the deadline of May 30.</p> <p>An individual's failure to meet the training deadline will result in his or her computer system being disconnected from the network.</p>	

1. LINE ITEM NO. 35	2. CDRL TITLE NASA Position Designation Record, NASA Form (NF) 1722	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR; Code TBD, M/S TBD (1 cy electronic) Alternate COTR, Code TBD (1 electronic cy) CO; Code JAZ, M/S 241-1 (1 cy electronic) Protective Services Office, Code JP (1 cy electronic)			<p>In accordance with NPR 1600.1, NASA Security Program Procedural Requirement, the Contractor shall complete a NF 1722 for each employee and new hire. The NF 1722 shall be completed within 10 working days from date of hiring</p>	

1. LINE ITEM NO. 36	2. CDRL TITLE NASA Property in the Custody of Contractors (NF 1018)	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION			8. REMARKS	
COTR; Code TBD, M/S TBD (1 cy electronic) Alternate COTR, Code TBD (1 electronic cy) CO; Code JAZ, M/S 241-1 (1 cy electronic) ARC Industrial Property Officer (IPO); Code JS, M/S 255-3 ARC Deputy CFO for Finance;* Code C, M/S 203-10 *Submit original unless NESS system used.			The reporting period shall be from October 1 of each year through September 30 of the following year. Report to be submitted no later than October 15. The Contractor shall submit a NASA Form (NF) 1018, <i>NASA Property in the Custody of Contractors</i> , in accordance with the instructions on the form, NFS Part 1845, and any supplemental instructions for the current reporting period issued by NASA for property in the off-site possession of the contractor and/or any subcontractor. Electronic submittal: Use the NF 1018 Electronic Submission System (NESS) for report preparation and submission at https://ness.gsfc.nasa.gov/ . A final report shall be submitted within 30 days after disposition of all property subject to reporting when the contract performance period is complete. Reference: NFS 1852.245-73, <i>Financial Reporting of NASA Property in the Custody of Contractors</i>	