

ACITS3 TASK ORDER FORM

PART I - TASK ORDER INFORMATION - CIVIL SERVANT

Contract No.: NNA13AB88C		Contract Title: Ames Consolidated Information Technology Services (ACITS3) Contract		
Task Title: TH Aeronautics Simulation Research, Development, and Support			Start Date: November 1, 2013	End Date: September 30, 2014
Task Order No. T03	Task Mod No. Original	Service Request No.	Customer Code Code TH	SOW Reference C.3.1.5
TASK REQUESTER EMAIL: (b) (6)		NAME: Trent Thrush		PHONE: (b) (6)
FINANCIAL MANAGER EMAIL: (b) (6)		NAME: Janette Rocha		PHONE: (b) (6)
COMPUTER SECURITY OFFICER EMAIL: (b) (6)		NAME: Jeffrey McCandless		PHONE: (b) (6)
TASK PREVIOUSLY COVERED BY ANOTHER CONTRACT OTHER THAN PREDECESSOR TO INCUMBENT? (If YES, provide in SOW) NO				
DOES THE TASK REQUIRE ACCESS TO GOVERNMENT DATABASES? (If YES, indicate in SOW) NO				

SECTION 508, ELECTRONIC AND INFORMATION TECHNOLOGY ACCESSIBILITY COMPLIANCE (EITAC)

DOES THE TASK INCLUDE EIT ITEMS (Please review the EITAC documentation) No, the task does not include EITAC items. Upon receipt of this task order request, the contractor shall review the task requirement(s) and inform the Government, as part of its task order/modification response, any discrepancies between standards initially cited and those the contractor proposes to deliver to the Government. Examples of discrepancies include ODCs for which some other standard might be or become applicable and, as a result, require citation in the task order, as well as any cited standards that the contractor believes is not applicable (provide rationale). Note: If, by mistake, the task, including and ODC of the task, should not meet an applicable standard not cited by the requester, it is the requester, not the contractor who is a fault; and the requester must find a way (e.g., by modifying the task request) to bring the task into compliance. In such cases, the requester shall complete a revised ARC form 789 (or equivalent) before the task order/modification is approved.

GOVERNMENT FURNISHED EQUIPMENT (GFE)

Government will provide all appropriate equipment and software necessary for the performance of this task unless otherwise noted in this task order. The contractor in accordance with the contract can acquire equipment not presently available as GFE. Equipment identified as task unique will be expensed to the task in accordance with ACITS3 accounting policy, and will be defined as GFE in the Government inventory. All other equipment purchases will be depreciated and be contractor property. The contractor shall follow NASA Ames rules regarding movement and assignment of government owned equipment and ODIN supplied equipment and provide information upon request for the following: Property Assignments, Property Location, and Unused Equipment.

AFFIRMATIVE PROCUREMENT (See <http://www.epa.gov/cpg/products.htm>)

The item(s) being purchased are NOT on any of the EPA's Comprehensive Procurement Guideline lists. - AND - They meet the minimum recycled/recovered content.

TASK DESCRIPTION - STATEMENT OF WORK - REQUIREMENTS

Please enter this information on pages 2, 3, and 4.

COTR SIGNATURE: KIRSTEN NAGEL

Digitally signed by KIRSTEN NAGEL
DN: c=US, o=U.S. Government, ou=NASA, ou=People, ou=KIRSTEN NAGEL, o=U.S.2562.F200000.100.1.1, email=K.NAGEL@NASA.GOV, Date: 2013.10.29 09:22:19 -0700

CO SIGNATURE: ANJENNETTE CONTRERAS-RODRIGUEZ

Digitally signed by ANJENNETTE CONTRERAS-RODRIGUEZ
DN: c=US, o=U.S. Government, ou=NASA, ou=People, ou=ANJENNETTE CONTRERAS-RODRIGUEZ, email=ANJENNETTE.CONTRERAS-RODRIGUEZ@NASA.GOV, Date: 2013.10.29 09:22:19 -0700

PART 2 - TASK ORDER PLAN PROPOSAL - CONTRACTOR

CATEGORIES	CURRENT REQUEST	PRIOR CUMULATIVE ESTIMATE WITHOUT CURRENT REQUEST	TOTAL CUMULATIVE TASK ESTIMATE
Labor Hours:			
Labor:	(b) (4)		
ODC Subcontracting:			
ODC Material:			
ODC Travel:			
ODC Training:			
Program Mgt Cost:			
Fee:			
Totals:			

PART 3 - APPROVAL SUMMARY - BOTH

APPROVED BY	SIGNATURE AND DATE	EMAIL ADDRESS	PHONE
1. TECH AREA MGR.:	(b) (4), (b) (6) 11/13/2013	(b) (4), (b) (6)	(b) (4), (b) (6)
2. BUSINESS MGR.:	11/14/2013		
3. PROGRAM MGR.:	11/14/2013		
4. TASK REQUESTER:	TRENT THRUSH 11/26/2013	(b) (6)	(b) (6)
5. DIVISION LEVEL:	TRENT THRUSH 11/26/2013		
6. COTR:	KIRSTEN NAGEL 11/27/2013		
7. CO:	ANJENNETTE CONTRERAS-RODRIGUEZ		

ACITS3 TASK ORDER FORM (Continued)

Contract No.: NNA13AB88C		Contract Title: Ames Consolidated Information Technology Services (ACITS3) Contract		
Task Title: TH Aeronautics Simulation Research, Development, and Support		Start Date: November 1, 2013		End Date: September 30, 2014
Task Order No. T03	Task Mod No. Original	Service Request No.	Customer Code Code TH	SOW Reference C.3.1.5
PRICING Cost Plus Fixed Fee		FUNDING LEVEL CHARGE POINT LEVEL		
<p>TASK DESCRIPTION - STATEMENT OF WORK REQUIREMENTS</p> <p>This task encompasses support for three aeronautical research projects:</p> <ul style="list-style-type: none"> • Human Centered Systems Laboratory (HCSL) Support • Flight Deck Display Research Laboratory (FDDRL) Support • Airspace Operations Laboratory (AOL) Support <p>1. HUMAN CENTERED SYSTEMS LABORATORY SUPPORT</p> <p>This project supports NASA's Next Generation Air traffic System (NGATS) research, Aviation Safety Program (AvSAFE), and other NASA or FAA programs. Support will include the planning and conducting of simulation studies, the analysis and summarization of the data collected during the studies and the preparation of presentation materials to describe the results of the studies. Also included in the task are the design, development and support of hardware systems and computer programs required to conduct said studies, and to provide aeronautical flight simulation expertise and pilot domain expertise.</p> <p>Specific requirements include:</p> <ol style="list-style-type: none"> 1. Software Support includes: all phases of software development, maintenance of existing baseline (legacy or extant) software, integration developed/modified software, user support, and documentation. Included is enhancement of out-the-window graphics databases, Route Traffic Manager (RTM) simulation software, upgrade of FMS software, and the new SARDA-integration project to include closed loop studies. 2. Hardware support includes: design, installation and integration of audio and video equipment, custom fabrication of research hardware, and support for any other hardware associated with the above laboratories (HUD, joysticks, etc.) ATC displays, VDRs etc. Hardware engineering support includes design, integration and testing for the any upgrades of the ATAS flight simulator. 3. Experiment support includes: assistance with pre-experiment specification, scenario development, domain expertise (pilot) for scenario evaluation, and support during actual experimental runs (as required by experimental schedule). 4. Data Analysis support includes: pre-experiment consultation, evaluation of data collection methods, verification of data collection methodology by means of pre-experiment sampling, data reduction, data analysis, and assistance with technical problems (as required by experimental schedule). <p>2. FLIGHT DECK DISPLAY RESEARCH LABORATORY SUPPORT</p> <p>This project supports the Flight Deck Display Research (FDDRL) Laboratory under the Human Systems Integration Division, Code TH, at NASA Ames Research Center.</p> <p>Specific requirements include:</p> <ol style="list-style-type: none"> 1. Provide support for the development of: <ul style="list-style-type: none"> • The cockpit situational display (CSD) part-task simulator. • Air-Ground simulation experiments • Statistical analysis of data collected from the above experiments. 2. Support the development of weather related research. 3. Support the Next Generation Air Traffic System Program (NextGen). 4. Support the JPDO Safety Analysis. 5. Support the Integrated Intelligent Flight Deck Project. 6. Support integration of the CSD into the Laboratory's 777 simulator, to include the support of a commercial pilot domain expert to participate in testing of the simulation. 7. Develop enhanced SPO ground stations to support controlling multiple a/c 8. Enhance the Oximeter data collection and display system and build a gesture sensor. 9. Support enhancement and extension of existing FDDRL weather-related capabilities: <ul style="list-style-type: none"> • Replace the legacy Weather Data Acquisition subsystem with a more robust, maintainable, and user-friendly system. • Enhance the existing Weather Scenario Generator with new capabilities, including wind data, synthesizing predicted radar, and importing/exporting MACS weather files. • Add a 3D interactive weather scenario editor to allow visualization and manipulation of location, orientation and values of weather products. 				

ACITS3 TASK ORDER FORM (Continued)

Contract No.: NNA13AB88C		Contract Title: Ames Consolidated Information Technology Services (ACITS3) Contract		
Task Title: TH Aeronautics Simulation Research, Development, and Support		Start Date: November 1, 2013	End Date: September 30, 2014	
Task Order No. T03	Task Mod No. Original	Service Request No.	Customer Code Code TH	SOW Reference C.3.1.5

SPECIFIC DELIVERABLES AND DELIVERABLE DATES

No.	Type of Deliverable	Description of Deliverable	Date Required
1	Performance	HCSL: Provide ongoing laboratory support for hardware and software – facility will be +	
2	Performance	HCSL: Provide new development, modification, and support of Generic Data Reduction +	
3	Performance	HCSL: Provide new development, modification, and support of enhancements to the KDFV +	
4	Performance	HCSL: Integrate new hardware into simulation (examples: video, eye tracker)	
5	Performance	FDDRL: Develop and deliver enhancements and extensions to the existing FDDRL weather +	
6	Performance	FDDRL: Develop and deliver enhancements to UAS Ground Station as received by the Task +	
7	Performance	FDDRL: Provide enhancements and support for SPO study	
8	Performance	AOL: Provide ongoing software support to maintain the AOL laboratory – facility will be +	
9	Performance	AOL: Delivery of technical enhancements and testing of MACS software to meet +	
10	Performance	AOL: Complete and deliver scheduled improvements on application servers, compiler tools +	
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			

TRAVEL, TRAINING AND MATERIALS REQUIREMENTS

No.	Type of Requirement	Description	Date Required
1	Travel	Task related travel to support requirements	
2	Training	Task related training to enhance skills and utilize new technologies into the task	
3	Material	Materials as required for the simulation capabilities (to include computers, displays/ +	
4	Material	Upgrades to software tools such as new compilers and Microsoft office and Adobe products +	
5	Material	Simulation equipment to maintain or upgrade simulation capabilities (aircraft chairs, cockpit +	
6			
7			
8			
9			
10			
11			
12			

ACITS3 TASK ORDER FORM (Continued)

[illegible]

ACITS3 TASK ORDER FORM (Continued)

Contract No.: NNA13AB88C		Contract Title: Ames Consolidated Information Technology Services (ACITS3) Contract		
Task Title: TH Aeronautics Simulation Research, Development, and Support		Start Date: November 1, 2013		End Date: September 30, 2014
Task Order No. T03	Task Mod No. Original	Service Request No.	Customer Code Code TH	SOW Reference C.3.1.5

IT SECURITY REQUIREMENTS

Consistent with NPG 2810.1, the specific IT Security requirements to be delegated to the contractor, under this ACITS3 task are as follows:
(Please address the following topics/questions, if applicable, concerning the intended task).

a. This Task's activities have been identified as being covered under an organizational IT Security Plan. This Task does not support applications that have been designated as a "Special Management Attention" applications. If "Special Management Attention" applications do exist please describe:

b. Periodic reviews of IT Security measures are necessary. What is the role of the ACITS3 contractor under this ACITS3 Task in areas such as review of user accounts, account management, data backup and restoration, use of warning banner, use of encryption, vulnerability scanning, and security tools?

Please describe as appropriate:

All IT security measures for this task are provided by the TH Division Systems Group Task.

c. Typically, the Task will not be involved with activities that require compliance with NASA's NPG 2810.1 and Ames' APG 2410.1 that define the requirements for reuse, reassignment or accessing of IT assets and/or their release for repair; if such an activity does occur, the Task Requester will be contacted to identify the civil servant who will have oversight and approval for reuse, reassignment or accessing of IT assets and/or their release for repair associated with this task.

d. The Task personnel are trained in NASA's and Ames' policies and procedures relating to IT Security and will participate in the required annually IT security training to maintain proficiency. There are no specialized security training requirements associated with this task.

If appropriate, specialized training requirements are described as follows:

e. Is a security clearance needed for any personnel on this task? If so, what level of clearance is required?

No security clearance is required for this Task.

f. There are no other IT Security requirements associated with this ACITS3 Task.

If appropriate they are described as follows:

g. There are no specific IT Security Deliverables associated with this ACITS3 Task.

If appropriate they are as follows:

- ☐ IT Risk Assessment
- ☐ IT Security Plan
- ☐ IT Contingency Plan
- ☐ IT Security Vulnerability Test Results
- ☐ Results of periodic IT Security Reviews
- ☐ Other documentation as follows:
Report of status of IT Security Plan, Contingency Plan, and Risk Assessment of critical services provided by Code I

h. In the event of an IT Security Incident associated with systems and data under this Task, the Ames Chief Information Security Official, the Security Operations Center (SOC), and the Task Requester will be notified immediately by the contractor. In order to ensure full coordination, the following individuals will also be notified in the event of an IT Security Incident:

System Owner (Responsible for the applicable IT Security Plan)

Name: Trent Thrush

Phone:

(b) (6)

Organization's Computer Security Official

Name: Jeffrey McCandless

Phone:

Alternate System Owner

Name: _____

Phone: _____