

# ACITS3 TASK ORDER FORM

## PART I - TASK ORDER INFORMATION - CIVIL SERVANT

<b>Contract No.:</b> NNA13AB88C		<b>Contract Title:</b> Ames Consolidated Information Technology Services (ACITS3) Contract		
<b>Task Title:</b> Rotorcraft Signature and Simulation Software Tools Development and Support		<b>Start Date:</b> October 1, 2014		<b>End Date:</b> August 31, 2015
<b>Task Order No.</b> Y16	<b>Task Mod No.</b> Origianl	<b>Service Request No.</b>	<b>Customer Code</b>	<b>SOW Reference</b> C.3.1.4
<b>TASK REQUESTER EMAIL:</b> (b) (6)		<b>NAME:</b> Gerardo Nunez		<b>PHONE:</b> (b) (6)
<b>FINANCIAL MANAGER EMAIL:</b> (b) (6)		<b>NAME:</b> Samuel Caires		<b>PHONE:</b> (b) (6)
<b>COMPUTER SECURITY OFFICER EMAIL:</b> (b) (6)		<b>NAME:</b> Roy Shishido		<b>PHONE:</b> (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) YES				

### 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=US2302.F200000.000.1.1.knagel  
Date: 2014.08.26 21:40:45 -0700

CO SIGNATURE: ANJENNETTE CONTRERAS-RODRIGUEZ

Digitally signed by ANJENNETTE CONTRERAS-RODRIGUEZ  
DN: c=US, o=U.S. Government, ou=NASA, ou=PEP, ou=1311.F200000.000.1.1.contreras, ou=ANJENNETTE CONTRERAS-RODRIGUEZ  
Date: 2014.08.26 16:55:54 -0700

## PART 2 - TASK ORDER PLAN PROPOSAL - CONTRACTOR

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

## PART 3 - APPROVAL SUMMARY - BOTH

APPROVED BY	SIGNATURE AND DATE	EMAIL ADDRESS	PHONE
1. TECH AREA MGR.:	(b) (4), (b) (6) 08/21/2014	(b) (4), (b) (6)	(b) (4), (b) (6)
2. BUSINESS MGR.:	08/21/2014		
3. PROGRAM MGR.:	08/21/2014		
4. TASK REQUESTER:	NUNEZ,GERARDO.F (b) (6) 08/25/2014	(b) (6)	(b) (6)
5. DIVISION LEVEL:	FLETCHER,JAY.W (b) (6) 08/25/2014		
6. COTR:	KIRSTEN NAGEL <small>Digitally signed by KIRSTEN NAGEL DN: c=US, o=U.S. Government, ou=NASA, ou=People, ou=KIRSTEN NAGEL, o=US2302.F200000.000.1.1.knagel Date: 2014.08.26 21:40:45 -0700</small> 08/27/2014		
7. CO:	ANJENNETTE CONTRERAS-RODRIGUEZ <small>Digitally signed by ANJENNETTE CONTRERAS-RODRIGUEZ DN: c=US, o=U.S. Government, ou=NASA, ou=PEP, ou=1311.F200000.000.1.1.contreras, ou=ANJENNETTE CONTRERAS-RODRIGUEZ Date: 2014.08.26 16:55:54 -0700</small> 08/28/2014		

## ACITS3 TASK ORDER FORM (Continued)

<b>Contract No.:</b> NNA13AB88C		<b>Contract Title:</b> Ames Consolidated Information Technology Services (ACITS3) Contract		
<b>Task Title:</b> Rotorcraft Signature and Simulation Software Tools Development and Support		<b>Start Date:</b> October 1, 2014		<b>End Date:</b> August 31, 2015
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<b>PRICING</b> Cost Plus Fixed Fee		<b>FUNDING LEVEL</b> TASK LEVEL		
<p><b>TASK DESCRIPTION - STATEMENT OF WORK REQUIREMENTS</b></p> <p>The purpose of this task is to continue develop and improve software tools that will be used by the US Army Aeroflight Dynamics Directorate (AFDD), Concept Design and Analysis (CD&amp;A) Tech Area in support of conceptual aircraft design and analysis. The tools will be used to generate signature data from CD&amp;A developed aircraft models in support of Future Vertical Lift design activities and will also be used to post process results of constructive simulation.</p> <p>1. InfraRed: Investigate the suitability of developing a simple 2-D nozzle-ejector model for incorporation into the IR Signature Model (ISM) to better represent the characteristics of engine exhaust suppressor systems, in particular, cooling flow performance vs. turbine backpressure penalty. Determine the design data requirements to support a 3-D nozzle-ejector model for added fidelity.</p> <p>2. Electro-Optic: Augment the existing IR Signature Model (ISM) tool to add multiple visual sensors (direct-view optics with and without magnification), near-IR sensors (night vision devices), and mid-wave IR sensors (thermal imagers).</p> <p>3. Shot-line analysis: Investigate aircraft design layout data of such flight critical or mission critical components as aircrew, passengers, engines, transmissions, avionics, rotors, and flight controls which relate directly to vulnerability analysis. These detailed layouts will be used to predict the probability of damage and extent of damage on either flight critical or mission critical areas.</p> <p>4. Constructive simulation: Investigate and develop methods for incorporating cooperative/collaborative behaviors in ATCOM, to allow manned-unmanned teaming, unmanned-unmanned teaming, and reactive behaviors to dynamic pop-up events.</p> <p>5. Man-in-the-Loop (MITL) simulation: Investigate and develop methods/interface for linking the X-Plane man-in-the-loop (MITL) simulator system into the ATCOM constructive simulations, using Distributed Interactive Simulation (DIS) protocols. Initially verify terrain correlation between the two simulations by directly importing X-plane flight paths into ATCOM for check out, and then prescribing ATCOM flight paths in X-Plane via waypoint icons. Evaluate the ability of X-Plane to receive and display ATCOM generated data packets relating to threat engagements.</p>				

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### SPECIFIC DELIVERABLES AND DELIVERABLE DATES

No.	Type of Deliverable	Description of Deliverable	Date Required	Row Controls
1	Performance	Demonstration of updated IR Signature Model	07/07/2014	
2	Performance	Demonstration of Man-In-the-Loop Simulation coupled with ATCOM	08/03/2015	
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### TRAVEL, TRAINING AND MATERIALS REQUIREMENTS

No.	Type of Requirement	Description	Date Required	Row Controls
1	Travel	Trip to Ft Rucker, AL to meet with AMBL	03/01/2015	
2	Travel	Trip to Ft Rucker, AL to meet with AMBL	08/31/2015	
3				
4				
5				
6				

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## WORK BREAKDOWN STRUCTURE (WBS) CHARGE POINTS

[illegible]

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### 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:

N/A

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 specialized security training requirements associated with this task.

If appropriate, specialized training requirements are described as follows:

U.S. Army Annual Information Assurance (IA) Awareness Training

Other Army online IA training as directed

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

Secret

The scope of the work is not classified, but there will be interfaces with a classified machine.

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: Roy Shishido

Phone:

(b) (6)

Organization's Computer Security Official

Name: Roy Shishido

Phone:

Alternate System Owner

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

## ACITS3 TASK ORDER FORM (Continued)

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Note Creator		Note Title			Date Created
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