

# **Statement of Work (SOW)**

## Aerial Demonstration

### **1. Background**

The National Aeronautics and Space Administration's Ames Research Center (ARC) will be hosting the Yuri's Night Bay Area 2011, from Friday, April 8, 2011 to Saturday, April 9, 2011. Yuri's Night Bay Area is an annual, global celebration in support of space exploration and in alignment with NASA's education objectives. It occurs in parallel with cities around the world, every year on a single Earth-night. One of the venues of the event will feature a mini aerial demonstration. The goal of the aerial demonstration is to educate members of industry and the public about NASA's roles in aeronautics and information technology and to provide a forum for the aeronautics and space communities to share knowledge.

Yuri's Night is anticipated to draw an estimated attendance of approximately 10,000 people. It is intended that young people between the ages of 15 to 35 years from diverse socio economic and racial backgrounds will attend this event. They will be able to participate in science activities and enjoy music concerts with lighting and live streaming video. Other activities will include exhibits, a mini air show, NASA Ames robotics projects and other interesting activities.

### **2. Description of Services**

The Contractor shall provide all personnel, equipment, tools, materials, supervision, and other items and services necessary to provide a minimum three (3) piston-powered propeller driven aerobatic aircraft, and a total of no more than 60 minutes of aerobatic flight activity (approximately 20 minutes per aircraft). The Contractor is required to price two performance options:

- Option 1: The Contractor shall price coordination of an aerial demonstration described in this SOW for one (1) day only on Saturday, April 9, 2011
- Option-2: The Contractor shall price coordination of an aerial demonstration described in this SOW, is for two (2) days, to take place on Friday, April 8, 2011 and Saturday, April 9, 2011.

The Contractor shall include associated costs of the aerial demonstration based on these options in their quotation. The Aerobatic flight demonstration is required to occur in accordance with Federal Aviation Regulations and the Management of air show Activities (APR 7234.4). The Government shall determine if weather conditions allow the conduct of any flight by the Contractor. When not in flight, aircraft will be available for static display.

### **3. Quotation Requirements**

The Contractor's quotation shall include the following components:

- 1) Detailed plan for managing the work, including milestones

- 2) Proposed Aerobatic Box
- 3) Portfolio
- 4) Descriptions of the planes proposed to be used
- 5) Relevant Past performance information and references
- 6) Risk Management Plan

**4. Aerial Demonstration Schedule**

The mini aerial demonstration will be conducted on April 9, 2011 if Option-1 is or on April 8 and 9, 2011 if Option-2 is selected. Specific event times will be determined by NASA and provided at a later date.

**3. Fuel/Oil**

Moffett Federal Airfield does not have aircraft fueling services for General Aviation Aircraft. Therefore, the Contractor shall provide all the fuel and oil as required for the air demonstration activities specified in this SOW. The Contractor shall comply with all NASA, State and Federal regulations for the transport and storage of aircraft fuel.

**4. Deliverables**

**4.1** The Contractor is required to meet with the NASA Project Team regularly as well as provide a Monthly Status Report (includes the last month’s deliverables completed, deliverables not completed and deliverables to be completed this month).

**4.2 Performance Deliverables (PD)**

<b>PD#</b>	<b>Description</b>
PD#1	The Contractor shall coordinate all air show planning and implementation activities with the Ames Project Team to ensure compliance with specific NASA’s mission objectives, rules, regulations, statutes, and policies.
PD#2	The Ames Aviation Management Office will be responsible for and oversee all aerial demonstration operations. All ground and flight activity associated with the aerial demonstration will be in accordance with the Federal Aviation Regulations and the Management of Air show Activities (APR 7234.4).
PD#3	The Ames Senior Aerial Demonstration Official will clear aircraft for engine start, taxi, takeoff, box entry, and landing. During execution, all Contractor aerial demonstration pilots will adhere to Federal Aviation Administration (FAA) guidance regarding air show aerobatic performance. The aerobatic box will be depicted and described in the FAA waiver request.
PD#4	The Contractor shall coordinate with the Ames IT Operations Division pertaining to usage of radio communications and computer wireless connectivity.
PD#5	The Contractor shall furnish sufficient personnel, equipment, and materials to perform all work specified within this SOW.

PD#6	The Contractor shall defer to the Ames Senior Aerial Demonstration Official in resolving all issues, which include, but are not limited to, security, law enforcement, fire protection and prevention, emergency response and recovery, public affairs, logistics, and acquisition.
PD#7	Any pyrotechnic displays or events during the aerial demonstration will not be permitted.
PD#8	In coordination with the Ames Aviation Management Office, the contractor shall implement its Risk Management Plan as applicable.
PD#9	The Contractor shall provide for the transportation and safe storage certified aircraft fuel for this event. Moffett Federal Airfield does not store fuel for general aviation aircraft.

#### 4.3 Schedule Deliverables (SD)

SD#	Title	Due Date
SD#1	The Contractor shall submit its aerial demonstration plan which displays the aerobatic box and positioning of aircraft for static display to the Ames Aviation Management Office for review and approval.	2/01/11
SD#2	The Contractor shall coordinate all aspects of the aerial demonstration with NASA and the FAA. Obtaining FAA approvals and waivers in addition to complying with APR 7234.4. The Contractor shall provide proof of liability insurance and complete an airfield use permit.	2/01/11
SD#3	The contractor shall provide all personnel, equipment, tools, materials, supervision, and other items and services necessary to provide a minimum three (3) piston-powered propeller driven aerobatic aircraft, and a total of no more than 60 minutes of aerobatic flight activity.	4/15/11
SD#4	The Aerial demonstration coordinator shall conduct a safety briefing which is inclusive of the pilots, FAA Air Boss and Air Demonstration official.	Day of Event
SD#5	Develop the aerial demonstration operations plan in accordance with the requirements of the Management of Air show Activities (APR 7234.4) and approved by the Ames Aviations Office.	3/30/10

#### 5. Approvals

The Contractor's planning activities and its execution require compliance with NASA's mission objectives, rules, regulations, statutes, and policies. The NASA Project Team will have oversight and approval of all tasks associated with this SOW. Particularly, the Contractor shall obtain in advance NASA Project Team's approval of the contractor's selected exhibitors, performers, and artists.

**6. Place of Performance**

The place of performance for work called for under this SOW shall be predominantly at the NASA Ames Research Center in Moffett Field, CA.

**7. Period of Performance**

The period of performance is January 2, 2011 through April 17, 2011.

**8. Security Requirements**

Work on this SOW shall comply with all applicable U.S. Federal Government and NASA Policies and Regulations.

**9. Safety and Health**

The Contractor shall take all reasonable safety and occupational health measures in performing this SOW. Contractor shall comply with all Federal, State, and local laws applicable to safety and occupational health and with the safety and occupational health standards, specifications, reporting requirements, and any other relevant requirements of this SOW.

**10. Environmental Compliance**

All chemical and material products shall meet performance specifications and shall not violate the environmental requirements of any applicable local, State, or Federal entity. It shall be the Contractor's responsibility to ensure event compliance with all environmental regulations, ordinances, and/or statutes of any sovereign governing the event or as identified by specific task orders. Furthermore, it shall be the Contractor's responsibility to ensure that all waste products generated in assigned efforts are disposed of in a safe manner, complying with all applicable regulations. In no event shall the Government be liable for the Contractor's failure to comply with applicable environmental requirements. The Contractor agrees to hold harmless the Federal Government should the Contractor violate any environmental regulation, ordinance, or statute. In the event more than one environmental requirement is present, the Contractor shall comply with the stricter requirement. Should there be a conflict between environmental regulations/ordinances/statutes and the Contractor's specifications, the Contractor shall, in writing, contact the NASA ARC's authorized personnel for a written resolution.

**11. Government Furnished Equipment (GFE)**

Government will not provide any GFE to the Contractor.