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08/31/15

**JUSTIFICATION FOR OTHER THAN FULL AND OPEN COMPETITION (JOFOC)**  
**(In accordance with Federal Acquisition Regulation (FAR) 6.3 – Other than Full and Open Competition)**

**1. This document is a justification for other than full and open competition prepared by National Aeronautics and Space Administration (NASA) Goddard Space Flight Center (GSFC):**

The procuring agency is the National Aeronautics and Space Administration (NASA) and the contracting activity is NASA's Goddard Space Flight Center (GSFC), Greenbelt, MD.

**2. The nature and/or description of the action being approved:**

This justification provides the rationale for using other than full and open competition to award a sole-source purchase order with Twin Otter International Ltd. For Aircraft Flight Services in Support of the WISM project.

**3. Description of the supplies or services required, including an estimated value:**

Per the attached statement of work (SOW), Twin Otter International Ltd. will supply a pilot to fly a Twin Otter aircraft with cargo door and nadir viewing point. TOI will install instruments, fly 2 approximately 12 hour flight campaigns and one option campaign (Sept-Oct. 2015 and Feb-Mar 2017, option for Feb-Mar 2016) and remove the instruments. TOI will obtain all necessary FAA permits and comply with the review schedule set by NASA. The estimated value of these services is \$150,000 USD.

**4. Statutory authority permitting other than full and open competition:**

The statutory authority permitting other than full and open completion is 10 U.S.C. 2304(c)(1), as implemented by Federal Acquisition Regulation (FAR) 6.302-1, "Only One Responsible Source".

**5. A demonstration that the proposed contractor's unique qualifications or the nature of the acquisition requires use of the authority cited:**

The rationale supporting the use of 10 U.S.C. 2304(c)(1) is Only One Responsible Source as described below.

Twin Otter's unique qualifications include the following:

- A. An aircraft with a nadir viewing port of sufficient size and cargo door to accommodate science instruments and the associated antennas. The aircraft can fly safely with the cargo door open when the antenna is deployed.
- B. Flight planning software that accepts science waypoints.
- C. Instrument/commercial rating.
- D. TOI's experience flying science missions including previous projects with NASA, USFS and NOAA.
- E. Power requirements: The System requires 15 amps of 28 VDC power at start-up. TOI planes have a 60 amp, 28 VDC system which can be used to supply a circuit to power the science instruments.

F. The capability and willingness of the TOI pilots to fly the planes at low altitude in remote areas: Not every pilot is willing to fly missions requested by this NASA scientist. Previous flights, and flights planned for this study, will take the aircraft and occupants over remote areas at ~300 - 500m AGL.

**6. Description of the efforts made to ensure that offers are solicited from as many potential sources as practicable, including whether a notice was or will be publicized as required by Federal Acquisition Regulation (FAR) 5.2:**

A notice to the NASA Acquisition Internet Service (NAIS) and Federal Business Opportunities (FedBizOpps) was published on 08/31/2015, in accordance with FAR Subpart 5.2. This posting informed potential sources of NASA GSFC's intent to award this sole-source purchase order to Twin Otter, and provided potential sources with the opportunity to be considered based on their qualifications and capability statements due by 09/15/2015. The results of this synopsis are contained in Section 10 below.

**7. A determination by the contracting officer that the anticipated cost to the Government will be fair and reasonable:**

Twin Otter shall be required to submit a proposal to be evaluated and negotiated by Government. The proposed costs will be evaluated by the Contracting Officer's Representative and the Contracting Officer to determine that the direct labor rates, direct labor hours, skill mix, other direct costs, indirect costs, and fee(s) are fair and reasonable. This may also include support from external organizations such as the Defense Contract Audit Agency, as needed.

**8. Description of the market research conducted, and the results, or a statement of the reasons market research was not conducted:**

Prior to contracting with TOI, efforts were made by Racette to contact pilots and planes flown by NASA and other commercial companies. No other companies operated out of the airports local to the study site in Grand Junction, CO, had NASA approvals or had science ports in the aircraft. The different aircraft that the pilots had access to did not have viewing ports, and the cost of installing the necessary viewing port precluded use of the aircraft. The FAA must approve the installation of new ports, and costs can easily exceed \$10,000.

In February 2015, TOI flew the instrument payload on the aircraft. Because of the location near the test site on the Grand Mesa, CO and that installation of the instruments onto the aircraft has already been done, there's no other company available that could perform the work without the government incurring substantial additional cost.

**9. Other facts supporting the use of other than full and open competition:**

None.

**10. Sources, if any, that expressed an interest, in writing, in the acquisition:**

As stated above in Section 6, in accordance with the requirements of FAR Subpart 5.2, a notice of NASA GSFC's intent to award this sole-source action was synopsisized on the NAIS and FedBizOpps websites.

The synopsis notified all interested sources that this requirement will be issued on a sole-source basis and provided them an opportunity to submit their interest and capabilities to the Contracting Officer within 15 days of the synopsis publication. Only one source expressed an interest, in writing, in the acquisition and that source was Twin Otter International LTD (TOI). TOI met all of the technical representatives minimum requirements and was chosen for award based on lowest price technically acceptable.

**11. The actions the Agency may take to remove or overcome any barriers to competition before any subsequent acquisition for the supplies or services required:**

The Agency will continue to examine the market in the future for alternative solutions or new sources before executing any subsequent acquisitions for the same requirements.

**JOFOC Signature Page for Aircraft Flight Services in Support of the WISM Project**

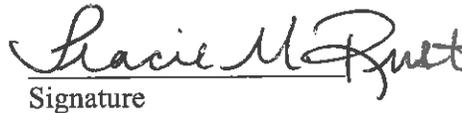
TECHNICAL DIRECTORATE: I certify that the facts presented in this justification are accurate and complete.



\_\_\_\_\_  
Signature

9/16/2015  
Date

CONTRACTING OFFICER: I certify that this justification is accurate and complete to the best of my knowledge and belief.  
(APPROVAL)

 09/18/15  
Signature Date