

PR# 4200516062

## SOW FOR Rockwell Collins Corporate Aircraft Support Program (CASP)

1.0 Introduction: The Stratospheric Observatory For Infrared Astronomy (SOFIA) Program consists of an airborne observatory platform (a Boeing 747-SP aircraft, N747NA-S/N 21441) equipped with a 2.5 meter infrared telescope, and multiple subsystems to support the telescope and other scientific instruments capable of infrared and sub millimeter observations. The SOFIA Observatory is being operated by NASA and its partner the DLR (German Aerospace Center). The SOFIA Observatory is the world's largest and most sensitive airborne observatory. The aircraft will operate on a worldwide basis at a ceiling of 45,000 feet. The telescope will look out of an open cavity in the side of the aircraft and allow astronomers to obtain sharper infrared images than ever before for a planned operational life of 20 years, including mission operations from remote landing sites.

The SOFIA aircraft recently completed an avionics upgrade using Rockwell Collins avionics components. Repair and replacement of defective components will be required throughout the service life of the aircraft. The Rockwell Collins Corporate Aircraft Support Program (CASP) will provide a 24/7 one day component replacement service to support the SOFIA mission on a worldwide basis.

2.0 Scope: This statement requires the contractor to provide 24/7 one day replacement service for SOFIA Rockwell Collins avionics components through a annual CASP subscription between NASA and Rockwell Collins.

2.1 A comprehensive list of SOFIA Rockwell Collins components will be provided.

2.2 The CASP will be based on an annual 1100 SOFIA flight hours.

3.0 Seller Responsibilities: The Rockwell Collins will provide a 24/7 one day component replacement service to support the SOFIA mission on a worldwide basis.

3.1 The seller will provide a point of contact for plan coordination and component replacement.

4.0 Buyer Responsibility: Provide a list of Rockwell Collins avionics components to be supported with an estimate annual flight estimate.

4.1 Buyer will provide a point of contact for plan coordination and component replacement.

4.2 Buyer will insure that defective components are shipped in accordance with CASP procedures.

5.0 Schedule: The CASP will be established no later than August 1, 2013.

6.0 Projection Completion: When a one year CASP subscription to be renewed annually is in place.

7.0 Pricing and Payment: Pricing for the service will be based on Rockwell Collins components installed on the SOFIA aircraft and estimated annual flight hours.

7.1 Honeywell prior to implementation of the plan.

7.2 NASA will make payment upon implementation of the plan.

8.0 Corporate Aircraft Service Program (CASP) Agreement.

8.1 Include draft Agreement.

9.0 Parts List

Type No	Part No
UMT-12	622-5212-004
ANT-462A	622-7383-001
Tre-920	622-8973-001
TDR-94D	622-9210-409
MMT-125	622-9670-001
490S-1	792-6140-001
ALT-4000	822-0615-306
RTU-4220	822-0730-231
TTR-921	822-1293-002
NAV-4000	822-1465-001
DME-4000	822-1466-001

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Radio Tuning Unit (RTU) 4220; P/N 822-0730-231 will be accomplished through loner unit wherein NASA will be supplied with P/N:822-0730-234 while the NASA unit is being repaired.