

Statement of Work for FY23
CRG Communications Interim Solution – MILSATCOM
Joint Base McGuire-Dix-Lakehurst

1. General

The FY23 USAF Expeditionary Center (EC) Campaign Plan charges Contingency Response (CR) forces to be ready to operate in the Tier-3 threat environment by 2024. In order to operate in a contested environment, enable Mobility Air Force Agile Combat Employment, and address critical capability gaps listed in the Air Mobility Command (AMC)'s Rapid Global Mobility Capability Gaps Memorandum, AMC must make immediate investments in communications solutions for CR forces. As "first-in" forces providing the Open the Airbase Force Element, CR require reliable, redundant systems that ensure Beyond Line of Sight (BLOS) communications with command-and-control (C2) elements and secure line of sight (LOS) communications between teams on the ground. Current systems are outdated, no longer function reliably, and lack modern technological advances required to create a meshed network between nodes. While long-term enterprise replacements are being analyzed, the 621st and 821st Contingency Response Groups (CRGs) identified interim solutions to bridge acute capability gaps while advancing command level initiatives. These solutions have been socialized with AMC/A6, AMC/A34, AMC/CIG, and 618 AOC.

2. Objectives

This requirement is to procure two (2) Military Satellite Communication (MILSATCOM) terminals with the option to procure four (4) additional MILSATCOM terminals as a replacement for the GATR antenna included in the Small Communications Package. The current transport solution for MILSATCOM, GATR's 2.4m Antenna System, has several single points of failure without an organic maintenance capability in the 621st Contingency Response Wing (621 CRW). The CRG supports replacing this antenna with a modernized antenna system that offers auto-track and auto-acquisition capability, a smaller form factor, eliminates GATR's technical shortfalls, and enables a faster set up time while, remains compatible with Time Division Multiple Access (TDMA) and Frequency Division Multiple Access (FDMA) waveforms, and operates on X band, Ka band, and Ku band satellite frequencies.

3. Scope of Work

This equipment will be used for the 621 CRW operations, on base and various locations around the world for deployments, trainings, and exercises. The vendor will provide the equipment to modernize the unit's MILSATCOM Small Communications Package. The 621 CRW will be responsible for maintaining the accountability of this equipment.

4. Personnel

The vendor will provide delivery and training for this item. Training will be at the vendors discretion, and/or provide documentation for basic system operation and/or maintenance. The maintenance, accountability, and operation of this equipment will be the responsibility of the CRG Combined Communications Work Center.

a. 621 CRG Point of Contact:

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- b. 821 CRG Point of Contact:
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5. Equipment Requirements and peripheral shall meet or exceed the specs of:
- a. MIL-STD-810
 - b. Less than 8 transit cases for all equipment
 - c. Transportable using Commercial Air
 - d. 1.2 or 1.3 Meter Flyaway Base Terminal:
 - Flyaway Base Terminal
 - X, Ku, and Ka capable
 - 1.2m or 1.3m Carbon fiber reflector
 - Motorized Auto-track, Auto acquire controller with GPS, Compass, DVB receiver, Spectrum Analyzer with Beacon Mode
 - Back-up manual pointing
 - e. X-band module
 - WGS Certified RF Configuration
 - X-band interchangeable Feed
 - f. Ka-band module
 - WGS Certified RF Configuration
 - Ka-band interchangeable Feed
 - g. Ku-band module
 - Ku-band interchangeable Feed
 - h. Modem and Controller
 - WGS Certified
 - Supports both FDMA and TDMA waveform
 - Auto-track, Auto acquire controller with GPS, Compass, DVB receiver, Spectrum Analyzer with Beacon Mode
6. Deliverables
Delivery shall occur within 120 days of award. Items will be verified upon delivery.
7. Warranty
The contractor shall provide any Original Equipment Manufacturer (OEM) standard commercial warranty applicable to the products being purchased at no additional cost to the Government.
- Prior to project acceptance, the contractor shall provide the customer with all manufacturer warranties as needed for any component incorporated into this project such as equipment manuals, literature, CDs and DVDs and other documentation on all equipment.
 - Prior to project acceptance, the contractor shall provide written procedures, points of contact within company, and required information for all warranty services prior to project acceptance. This information shall include written confirmation of the warranty period, phone numbers and contact information/procedures for technical support, troubleshooting

assistance, and replacement of faulty equipment.

8. GENERAL INFORMATION: ITEMS MUST BE BRAND NEW. REFURBISHED ITEMS ARE NOT AUTHORIZED.

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JANIE J. RAMSEY, Capt, USAF
Requirements & Resource Flight Commander