

**Performance Work Statement
For
Moron Air Base (MAB)
Enterprise Land Mobile Radio (ELMR) Software,
Hardware, Integration, and Modernization**

Table of Contents

Table of Contents	2
1 DESCRIPTION OF SERVICES	4
1.1 Scope of Work	4
1.2 General Requirements	4
1.2.1 Standard Equipment Requirements	4
1.2.2 Spares.....	5
1.3 Moron Air Base (MAB) Requirements.....	6
1.3.1 Dispatch Consoles	6
1.3.2 Scenario Replay Terminals (SRT).....	7
1.3.3 RF Site	7
1.3.4 RF Site Frequency Equipment Update (Option)	7
1.3.5 Management Terminals.....	7
1.3.6 Licenses.....	7
1.3.7 Technician Training (option)	7
1.4 Command Installation Requirements	7
1.4.1 Dispatch Console/Operator Positions.....	7
1.4.2 Information Assurance (IA)	8
1.4.3 Post-Install Testing.....	9
1.4.4 System Burn-in.....	9
1.4.5 System Cutover	9
1.4.6 As-Built Documentation.....	9
1.4.7 System Acceptance	9
1.5 Warranty.....	10
1.5.1 Standard Warranty	10
1.5.2 USAFE-AFAFRICA ELMR Minimum Standard Warranty	10
1.6 Performance	10
1.6.1 Period of Performance (POP).....	10
1.6.2 Place of Performance.....	10
1.6.3 Hours of Work.....	10
1.6.4 Qualifications	11
2 GOVERNMENT FURNISHED PROPERTY, EQUIPMENT, SERVICES (GFP/GFE/GFS) AND STANDARDS	11

2.1	Government Furnished	11
2.1.1	Government-Furnished Property (GFP)	11
2.1.2	Government Provided Office Workspace and Computer Workstation	11
2.1.3	Government Provided Storage Space	11
2.1.4	Government Provided Escorts	11
3	GENERAL INFORMATION	11
3.1	Administrative	11
3.1.1	Schedule	11
3.1.2	Integrated Product Team (IPT)	11
3.1.3	Return of Government Property	12
3.1.4	Enterprise-Wide Contractor Manpower Reporting Application (ECMRA)	12
3.2	Contractor Personnel	12
3.2.1	Project Manager	12
3.2.2	Site Point of Contact (POC)	12
3.2.3	General Personnel Requirements	12
3.2.4	Contractor Identification	12
3.3	Security	12
3.3.1	ID Card/Key Control/Combinations	13
3.3.2	Contractor Badges	13
3.3.3	Base Passes/Common Access Cards (CACs)	13
3.4	Safety	13
3.4.1	General Safety	13
3.5	Mission Essential Services	13
3.6	Quality Assurance	13
3.6.1	Quality Control Program	13
3.6.2	Contracting Officer's Representative (COR)	14
4	APPENDICES	15
	Applicable Documents and Standards	15
	ANNEX A: Acronyms	16
	ANNEX B: (Information Assurance policy and documents)	17
	ANNEX C: (Deliverables)	18
	Section is for reference purposes	18

1 DESCRIPTION OF SERVICES

1.1 Scope of Work

Moron Air Base (MAB) desires the purchase, installation, integration, configuration, and testing of Enterprise Land Mobile Radio (ELMR) network modernization, often incorporating infrastructure purchased under previous contracts. The current ELMR network is a Motorola Solutions ASTRO 25 Trunked Integrated Voice and Data network currently operating on the 7.16 hardware/software version. In order to maintain the Information Assurance (IA) and security posture of the United States Air Force Europe – Air Forces Africa (USAFE-AFAFRICA) ELMR network, the MAB ELMR system both software and hardware must be modernized concurrently with the theater ELMR modernization effort led by USAFE-AFAFRICA/A6 in FY19. The USAFE-AFAFRICA/A6 led project will modernize the network from version 7.16 to 7.18 providing the most current version of software and hardware to improve the IA posture by implementing Windows 10 on all clients and upgrading operating systems various servers throughout the network.

The contractor shall be responsible for transportation, installation, configuration, integration, optimization, and testing of the network. This contract includes requirements to fully integrate MAB ELMR network to be compatible with USAFE ELMR network.

This modernization effort will also perform the USAFE-AFAFRICA and Host Nation requested frequency changes to the Transmitter Combiner and Receiver Multi-Coupler to match the ELMR repeater site with the required frequency change request of the host nation.

1.2 General Requirements

The following paragraphs outline the basic requirements for equipment installed under this contract.

1.2.1 Standard Equipment Requirements

Solutions for MAB will continue to follow a standard model for ELMR equipment capabilities throughout USAFE. Dispatch equipment, management terminals, and trunked repeaters will adhere to this model in order to maintain full compatibility with the USAFE ELMR network and simplify sustainment.

1.2.1.1 Dispatch Consoles

The Motorola MCC 7500 IP Dispatch Console is the ELMR dispatch solution. Dispatch consoles provided for the ELMR network under this modernization contract shall include a personal computer (PC) workstation in accordance with the scope in paragraph 1.1. The 19-inch non-touch LCD display, Voice Processor Module (VPM), integrated Ethernet network connection, and associated peripherals will be compatible with the ASTRO 25 ELMR v7.18 system modernization effort. Dispatch consoles shall provide standard dispatch capabilities such as end-to-end encryption, Over the Ethernet Keying, local rekeying, and talkgroup patching.

Each console upgraded/replaced must include:

- Most recent version of Elite Dispatch software

- Support for dual headsets, using standard audio jacks
- Gooseneck microphone
- Two speakers, for “select” and “unselect” audio
- DoD-approved antivirus software

Each dispatch site described in paragraph 1.3.1 is currently furnished with a network gateway and switch for connection back to the Zone Core (ZC) and must continue to be compatible with the ASTRO 25 v7.18 system. Redundant network equipment may be employed. Dispatch console requirements are discussed further in paragraph 1.3.1.

1.2.1.2 Scenario Replay Terminals (SRT)

Audio traffic logs must continue to be accessed using SRT-configured PC workstations with the scope in paragraph 1.1. The 19-inch non-touch LCD display, Voice Processor Module (VPM), integrated Ethernet network connection, and associated peripherals will be compatible with the ASTRO 25 ELMR v7.18 modernization effort. The playback workstation shall use standard archiving interface software to facilitate log access. Logging playback equipment will be collocated and share connectivity with dispatch sites.

1.2.1.3 Trunked RF Sites

The GTR 8000 Expandable Site Subsystem is the standard ELMR RF system. The system shall meet Association of Public Communications Officials (APCO) Project 25 (P25) 12.5 KHz digital narrowband radio system standard as well as being capable of supporting P25 Phase II (two channel TDMA) with only software or license updates. All equipment will be compatible with the ASTRO 25 ELMR v7.18 modernization effort.

1.2.1.4 Management Terminals

End devices used for ELMR key management, network/talkgroup management, and Over the Air Programming (OTAP) will be PC workstations in accordance with the scope in paragraph 1.1. The 19-inch non-touch LCD display, Voice Processor Module (VPM), integrated Ethernet network connection, and associated peripherals will be compatible with the ASTRO 25 ELMR v7.18 modernization effort. Each management site will be provided with a local network gateway and switch for connection to the ELMR ZC.

1.2.2 Spares

Major equipment spares are not anticipated under this effort. If media adapters are used, the contractor shall provide one spare for each unique adapter.

1.3 Moron Air Base (MAB) Requirements

1.3.1 Dispatch Consoles

All dispatch consoles/management clients must be compatible with the ASTRO 25 ELMR v7.18 modernization scope. The current location and equipment information to be modernized is as follows:

Site Name	Site Type	Dispatch Console Quantity	Site Gateway	Connectivity
RF Repeater Site	RF Repeater Site	N/A	GTR-8000	Government Furnished Layer 3 Ethernet. Fiber Terminated
BDOC Building 110	MCC 7500 Dispatch Site	1	Redundant GGM 8000 Site Gateways	Government Furnished Layer 3 Ethernet. Fiber Terminated
Fire Dispatch Building 1427	MCC 7500 Dispatch Site	1	Redundant GGM 8000 Site Gateways	Government Furnished Layer 3 Ethernet. RJ-45 Terminated
ALB BDOC Building 1334	MCC 7500 Dispatch Site	1	Redundant GGM 8000 Site Gateways	Government Furnished Layer 3 Ethernet. Fiber Terminated
PWCS Administration Building 160	Network Management Client	1	Redundant GGM 8000 Site Gateways	Government Furnished Layer 3 Ethernet. Fiber Terminated
PWCS Administration Building 160	POP25 Client	1		Government Furnished Layer 3 Ethernet. Fiber Terminated
PWCS Administration Building 160	KMF Client	1	Single GGM 8000 Site Gateway	Government Furnished Layer 3 Ethernet. Fiber Terminated
PWCS Administration Building 160	Audio Logging Playback Site	1	Redundant GGM 8000 Site Gateways	Government Furnished Layer 3 Ethernet. Fiber Terminated

Modernization may include but is not limited to installation and/or upgrade of racks, cable, and fiber to interface with the identified demarcation point. This effort includes removing any obsolete dispatch positions from the existing core and transport to a site identified by the local ELMR program manager and

as described by the diagram above. All consoles shall have been programmed to reflect as a minimum the current console configuration. The new configuration must be compliant with the ASTRO 25 ELMR v7.18 modernization effort scope.

1.3.2 Scenario Replay Terminals (SRT)

The contractor will upgrade the SRT and the new configuration must be compatible with the ASTRO 25 ELMR v7.18 modernization effort.

1.3.3 RF Site

The contractor will verify the four (4) channel Radio Frequency (RF) trunking site using Motorola GTR-8000 maintain connectivity with the Ramstein and RAF Lakenheath ZCs and is compatible with the ASTRO 25 ELMR v7.18 modernization effort.

1.3.4 RF Site Frequency Equipment Update (Option)

The contractor will make any changes required to the RF transmit and receive equipment including but not limited to changing and/or adding frequencies, narrow banding, and capacity enhancements.

1.3.5 Management Terminals

The contractor will upgrade the management terminals where needed in accordance with the scope of this effort at the base ELMR work-center for Network Management, Key Management, and OTAP via the Ramstein and RAF Lakenheath ZCs in support of the ASTRO 25 ELMR v7.18 modernization.

1.3.6 Licenses

The contractor shall provide all necessary system licenses as are required for the items in sections 1.3.1 through 1.3.5 to operate on the ASTRO 25 ELMR v7.18 to be compatible on the USAFE ELMR network.

1.3.7 Technician Training (option)

The contractor shall provide system administrator training for a class of up to six (6) personnel on the skills required to operate and manage the local equipment installed under this contract. The contractor will teach and inform the students the benefits of the ASTRO 25 ELMR v7.18 modernization effort.

1.4 Command Installation Requirements

1.4.1 Dispatch Console/Operator Positions

The new configuration must be compliant with the ASTRO 25 ELMR v7.18 modernization effort. This may involve but not limited to the installation of new equipment. Operator positions shall allow for End-to-End AES encryption. All encryption hardware and software/firmware shall be certified in accordance with the National Institute of Standards and Technology (NIST). All system encryption shall be managed by the same encryption management subsystem. For technology employing link-encryption; those locations where extension to the operator position is provided by media conversion, either due to space or cost, the encryption requirement may be waived by the Government for that particular link.

Nominally Operator Positions include an 19" flat-screen monitor, interface electronics, select and unselect audio speakers, two (2) headset jacks using Bantam plugs, one (1) gooseneck microphone, and one (1) footswitch.

At a minimum, each console should have the capability to monitor up to 60 talk paths. The operator positions shall be capable of providing the following features:

<ul style="list-style-type: none"> • Activity Log • Aliasing • All-Points Bulletin • Announcement Group Calls • Auxiliary Input/Output Control • Call Alert • Conventional (mutual-aid) Interfaces • Dispatcher Interrupt • Emergency Alarm • Intercom • Logging Recorder Interface • Multiple (customized) Operator Screens • E911/telephone interface 	<ul style="list-style-type: none"> • Multi-Select • Private Call Patch • Private Calls • Radio Patch • Radio-to-Telephone Patch • Tactical Priority • Talkgroup Calls • Talkgroup ID Display • Talkgroup Merge • Talkgroup Patch • Unit ID Display • Instant Replay • Over the Ethernet Rekey (OTek)
--	---

1.4.2 Information Assurance (IA)

The system as furnished shall continue to be hardened in accordance with (IAW) the most current DoD policy documents ANNEX C: (Information Assurance policy and documents) (<http://iase.disa.mil>) provides the latest version of the following DoD documents and STIGs). The contractor shall incorporate all applicable technical, procedural, and system documentation associated with federal, DoD and Air Force IA policy and requirements for non-tactical LMR systems that transmit and manage sensitive but unclassified (SBU) voice and data traffic. The contractor shall also provide support documentation to the following IA requirements:

- Provide system information up to the component and program level to the security engineering team.
- Provide access to the LMR system and engineering support to the security engineering team so that the team can perform requisite system security assessment(s), and catalog identified risks, security controls, and mitigations into a plan of action and milestones (POA&M) prior to acceptance test.
- Develop and implement technical security controls, settings, and mitigation measures identified by the DoDI 8510.01, NIST 800-37, AFI 25-2 and Defense Information Systems Agency (DISA) Security Technical Implementation Guides (STIG) prior to acceptance test.
- Provide system administration, access, and engineering support to the certification engineering team and installation management personnel during installation certification activities after acceptance test and prior to system burn-in.
- Provide system information and security assistance to the certification authority and certification agents during certification recommendation and accreditation decisions.
- Provide a Nessus vulnerability scan of the Moron AB system devices and provide the raw scan artifacts and feedback as well as remediation where applicable on Nessus Critical and High vulnerability findings to the USAFE IA engineering team for review and archiving.

1.4.3 Post-Install Testing

1.4.3.1 System Acceptance Test

The Contractor shall provide the Acceptance Test Plan for systems following each major installation and/or upgrade. System Acceptance Test shall include:

- Operational testing of the features and functions purchased with the original system
- System alarming, monitoring, and fault management as it pertains to the ability to diagnose, monitor, and maintain the base ELMR network
- All equipment installed by the prime contractor or its sub-contractors

The contractor shall ensure that the entire system is completely tested 10 days prior to system cutover. The contractor shall have 15 days after completion of the System Acceptance Testing to research, develop, and document the resolution of all discrepancies. The contractor shall provide in writing a detailed explanation to the Government engineer/ELMR Project Leader/Quality Assurance (QA) representative of how the discrepancy will be resolved including any changes to the radio programming or the system data bases. Upon direction of the ELMR Project Leader, the contractor shall implement the proposed resolution and perform the portion of the System Acceptance Test that previously failed.

1.4.4 System Burn-in

The Government reserves the right to refuse start of 30-day burn-in until all discrepancies have been resolved to the satisfaction of the Government. The Government will review all test results and prepare the official list of discrepancies, if any. The contractor shall support this effort by submitting his/her own list of discrepancies based on discrepancies detected/identified during testing and/or inspections conducted by either the contractor or the Government QA representative. The contractor shall perform a 30-day Operational Test of the system. The 30-day equipment burn-in will not start until the system has successfully passed all of the tests in the system Acceptance Test Plan (ATP), all QA discrepancies have been resolved, the IA effort is complete, and Government approval has been provided from the ELMR Project Leader. If any major failure occurs during the 30-day burn-in, the test shall be terminated, corrective action shall be taken and approved, and the entire 30 days shall be restarted. If any minor failure occurs during the 30-day test period, the testing period may resume after resolution of the problem. The contractor shall document in detail any discrepancies that occur during testing.

1.4.5 System Cutover

The contractor shall deliver a cutover plan in coordination with Communications Flight ELMR management personnel. The plan shall provide for an orderly and cost effective transition of all ELMR users to the new system with minimal disruptions to operations and end users.

1.4.6 As-Built Documentation

The Contractor shall provide full documentation on the installed and/or upgraded system.

1.4.7 System Acceptance

Formal system acceptance shall be granted after completion of the acceptance test and a successful 30-day equipment burn-in period. Final acceptance shall require at a minimum:

- Completion of all facility work, system, component, hardware and software delivery, installation, testing, optimization, IA activities, and as built documentation.
- Acceptance of system facilities, individual systems, and equipment by Communications Squadron ELMR and management personnel. Correction of any operational, performance, or workmanship defects shall be at the sole expense of the contractor.
- Successful completion of System Acceptance Testing. Failure of any tests during the system

acceptance test will delay the start of the 30-day burn-in period until all tests have passed.

- Successful completion of the RF Coverage testing. Failure of the new ELMR network to provide the required coverage will delay the start of the 30-day burn-in period until any RF coverage issues are resolved to the satisfaction of the Government.
- Successful completion of the 30-day burn-in period.

1.5 Warranty

1.5.1 Standard Warranty

All efforts performed under this contract shall be covered IAW the Motorola Standard Commercial Warranty. In order to maintain system warranty, contractor shall be a licensed installer for Motorola™ equipment.

1.5.2 USAFE-AFAFRICA ELMR Minimum Standard Warranty

The contractor shall provide the USAFE-AFAFRICA ELMR Minimum Standard Warranty Package for all equipment and integration, which at a minimum shall include the following; security monitoring service, security update service (SUS) platinum, automated patch management for SUS platinum, password management, STIG backporting for SUS platinum, technical support, network monitoring, dispatch service, on-site infrastructure response, advanced replacement for infrastructure repair and network preventative maintenance. Additionally, the warranty package shall include extending the hours for Motorola Technical Support and on-site infrastructure response to 24 hours per day, 365 days per year with contractually committed response times for on-site infrastructure response.

1.6 Performance

1.6.1 Period of Performance (POP)

The POP is specified in the schedule of the contract.

1.6.2 Place of Performance

All equipment shall be installed on site and surrounding areas as identified in the site table.

1.6.3 Hours of Work

Contractor shall work during normal operating hours of 07:30 – 16:30 local time, Monday through Friday, excluding United States Federal holidays. With approval of the Contracting Officer (CO), the

Contractor will be allowed to work after hours and on weekends if the work being performed does not require an escort.

1.6.4 Qualifications

In order to maintain warranty of equipment provided, contractor personnel shall be certified to install, configure and/or upgrade Motorola software and equipment. Electrical workers shall meet host nation requirements and certification for working on electrical systems.

2 GOVERNMENT FURNISHED PROPERTY, EQUIPMENT, SERVICES (GFP/GFE/GFS) AND STANDARDS

2.1 Government Furnished

2.1.1 Government-Furnished Property (GFP)

Required network connectivity will be Government Furnished (GF). All connectivity must meet Motorola's standard Ethernet site link specifications. The Government will provide adequate real estate at existing racks for installation of the described equipment. Existing racks will be reused at all locations. Unless otherwise stated, all required AC power, generator, HVAC and Uninterruptible Power Supply (UPS) for dispatch consoles and workstations will be provided by the government.

2.1.2 Government Provided Office Workspace and Computer Workstation

The Government will provide office workspace for the duration of the contract period.

2.1.3 Government Provided Storage Space

The Government can provide secure storage for Contractor equipment and materials.

2.1.4 Government Provided Escorts

The Contractor will require Government escorts. The Contractor shall coordinate with the local Communications Squadron planning organization (SCXP) for escort arrangements at least 72 hours before access is required.

3 GENERAL INFORMATION

3.1 Administrative

3.1.1 Schedule

The Contractor shall follow Government-approved milestone schedule that denotes major activities to include time-phased start and completion dates for this project.

3.1.2 Integrated Product Team (IPT)

The Contractor shall host weekly IPT meetings that include Contractor representatives, the CO, the Communications Systems Integrator – Base (CSI-B), the Systems Expert (SE), the 496th Project Manager, the local Communications Squadron Project Manager, Contract Officer Representative (COR), and other base personnel as required. The Contractor shall participate in worldwide "Meet Me" telecons for the duration of the project. The purpose of the weekly meeting is to discuss project progress, status report, problems being encountered, and other discussions necessary/beneficial to ensure success and timely completion of the contract requirements. The contractor shall provide updates to be recorded in meeting minutes which will be distributed to each affiliated organization.

3.1.3 Return of Government Property

The Contractor shall return all Government equipment, door keys, and Government ID cards issued to Contractor personnel for the performance of this contract.

3.1.4 Enterprise-Wide Contractor Manpower Reporting Application (ECMRA)

The contractor shall report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address

<http://www.ecmra.mil>

Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. Contractors may direct questions to the ECMRA help desk.

3.2 Contractor Personnel

3.2.1 Project Manager

The Contractor shall provide a Project Manager (PM) and alternate(s) responsible for contract performance and continuity. The Contractor shall identify the Project Manager or his/her alternate range of authority to act for the Contractor relating to daily contract operation.

3.2.2 Site Point of Contact (POC)

The designated Site POC or alternate(s) shall be on site during duty hours until project completion. The Site POC shall be the interface for all work site communications with the Government, including quality, safety, and discrepancy matters.

3.2.3 General Personnel Requirements

The Project Manager, Site POC, and respective alternate(s) shall be able to read, write, speak, and understand English. The Site Visit Request Letter shall be submitted to the Contracting Officer not later than one week prior to base visit.

3.2.4 Contractor Identification

Contractor employees shall identify themselves as contractor personnel by introducing themselves or being introduced as contractor personnel and displaying badges or other visible identification for meetings with Government personnel. In addition, Contractor personnel shall appropriately identify themselves as contractor employees in telephone conversations and in formal and informal written correspondence.

3.3 Security

The Contractor must coordinate with appropriate base personnel and comply with all required security measures for gaining entry and working in all buildings. The Contractor may require Government escorts with proper building entry authorization and identification while in all buildings. Some areas in those buildings may require prior coordination through base personnel in specified work areas before entering and work can be accomplished.

3.3.1 ID Card/Key Control/Combinations

The Contractor shall establish and implement methods of assuring control and safeguard of all Government keys or lock combinations issued to the Contractor. GOVERNMENT KEYS SHALL NOT BE DUPLICATED. See FAR 52.245-2(e) (2).

3.3.2 Contractor Badges

The Contractor shall acquire all necessary base passes for Contractor personnel with the assistance of the 496th Communications Squadron (CS). The Contractor is required to provide identification badges to their employees, and all Contractor personnel shall wear these badges while on duty on the Government site. Badges are required to identify the individual, company name, and be clearly and distinctly marked as Contractor. Size, color, style, etc., are to be mutually agreed upon by the Contractor and Government and shall fit within the requirements dictated by the 496th SFS at Moron Air Base.

3.3.3 Base Passes/Common Access Cards (CACs)

In order to obtain base passes, all Contractor personnel performing work under this delivery order will be required to provide personal and vehicle information for USAFE IMT 79. Contractor personnel may also require background checks IAW AE Regulation 190-16. Forms and regulations are available upon request to 496 ABS/SCXP. The Contractor is advised that it can take up to one (1) calendar month to obtain base passes. In order to expedite base passes, Contractor personnel may submit USAFE IMT 79 to local CS/SCXP up to 90 days before arrival on site. The Government will provide Common Access Cards (CAC) to Contractor personnel who are required to have access to a Government computer.

3.4 Safety

3.4.1 General Safety

The Contractor shall comply with all local, state and federal safety guidelines, including OSHA practices and procedures to protect employees from the hazards of entry into permit-required confined spaces.

3.5 Mission Essential Services

Under the terms of this PWS, the Contractor is not required to perform any mission essential services or functions IAW DFARS 237.7600 during time of crisis.

3.6 Quality Assurance

3.6.1 Quality Control Program

In compliance with clause 52.246-4, "Inspection of Services," the Contractor shall develop and maintain a highly effective Quality Control Plan (QCP) for all services provided under this PWS. The QCP shall remain in effect during the term of the contract. Contractor shall retain the QCP on site and make it available for Government review upon request. Contractor shall provide any changes to the QCP to the CO at least ten (10) working days prior to implementation for review and approval.

3.6.2 Contracting Officer's Representative (COR)

The government will periodically evaluate the contractor's performance by appointing COR(s) to monitor performance to ensure services are received. The government representative will evaluate the contractor's performance through intermittent on-site inspections of the contractor's quality control program. The government may inspect each task as completed or increase the number of quality control inspections if deemed appropriate because of repeated failures discovered during quality control inspections. Likewise, the government may decrease the number of quality control inspections if merited by performance.

The COR will inform the contract manager in person when discrepancies occur and will request corrective action. The COR will make a notation of the discrepancy on their assessment checklist with the date and time the discrepancy was noted and will request the contract manager (or authorized representative) to initial the entry on the checklist. Any matter concerning a change to the scope, prices, terms or conditions of this contract shall be referred to the CO and not to the COR.

The services to be performed by the contractor during the period of this contract shall at all times and places are subject to review by the Contracting Officer or authorized representative(s).

4 APPENDICES

Applicable Documents and Standards

The following documents are hereby incorporated by reference. The Contractor shall comply with these standards during the performance of the contract requirements.

Motorola R56 Installation practices

ANSI/TIA/EIA-606-A Administration Standard for Commercial Telecommunication Standard

The Contractor shall obtain and comply with any other applicable manuals not identified above that would be required to meet industry standards.

ANNEX A: Acronyms

AB	Air Base
ATP	Acceptance Test Plan
CAC	Common Access Card
CDRL	Contract Data Requirements List
CEB	Central Electronics Bank
CO	Contracting Officer
COR	Contracting Officer's Representative
CSI-B	Communications Systems Integrator – Base
DSR	Dynamic System Resilience
ECMRA	Enterprise-Wide Contractor Manpower Reporting Application
ELMR	Enterprise Land Mobile Radio
FY	Fiscal Year
GFE	Government Furnished Equipment
GFP	Government Furnished Property
GFS	Government Furnished Standards
IA	Information Assurance
IAW	In Accordance With
IPT	Integrated Product Team
LE	Law Enforcement
LMR	Land Mobile Radio
MGEG	Motorola Gold Elite Gateway
MOC	Maintenance Operations Center
OP	Operator Position (synonymous with Dispatch Position)
OTAP	Over The Air Provisioning
OTAR	Over The Air Rekeying
P25	Project 25
PM	Project Manager
POC	Point Of Contact
POP	Period of Performance
POP25	Programming Over P25
PWCS	Personal Wireless Communications Systems
PWS	Performance Work Statement
QA	Quality Assurance
QCP	Quality Control Plan
RF	Radio Frequency
SE	Systems Expert
SRT	Scenario Replay Terminal
USAFE	United States Air Force Europe
VPM	Voice Processor Module

ANNEX B: (Information Assurance policy and documents)

See <http://iase.disa.mil> for current documentation.

- DoD Directive 5000.01, The Defense Acquisition System (ref (a), (j), and (k)).
- DoDi 8510.01, Risk Management Framework (RMF) for DoD Information Technology (IT)
- DoD 8570, IA workforce
- NIST 800-37, Risk Management Framework for Information Systems and Organizations
- NIST 800-53 Security and Privacy Controls for Federal Information Systems and Organizations
- NIST 800-53A Assessing Security and Privacy Controls in Federal Information Systems and Organizations
- 10 U.S.C. Section 2224, Defense Information Assurance Program.
- Office of Management and Budget Circular A-130, Appendix III, Management of Federal Information Resources.
- AFI 17-101, Risk Management Framework (RMF) for Air Force Information Technology (IT)
- Database SRG STIG, Version 2, Release 8, 26 January 2018
- Layer 2 Switch SRG, Version 1, Release 2, 20 July 2018
- Microsoft Internet Explorer 11 STIG - Version 1, Release 16, 20 July 2018
- Microsoft Windows 10 STIG - Version 1, Release 15, 27 November 2018
- Network Device Management SRG - Version 2, Release 14, 20 July 2018
- Router SRG STIG, Version 3, 25 January 2018

ANNEX C: (Deliverables)

Section is for reference purposes

Deliverable#	Title	Para
0001	As-Built Documentation	1.4.6/7
0002	Work Schedule	3.1.1
0003	Status Report	3.1.2
0004	Acceptance Test Plan	1.4.3.1