

Performance Work Statement (PWS)
for the
AERIAL TARGET FLIGHT SERVICES
(ATFS) Program



Created by
Threat Systems Management Office (TSMO)
U.S. Army Program Executive Office for Simulation, Training, and Instrumentation
(PEO STRI), Program Manager Cyber Test Training (PM CT2)

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All Changes to the PWS after award shall be approved by the appointed PEO
STRI, PM CT2 representative, the Contractor, and the Contracting Officer

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Approved by:_____ Date: _____

Vision Statement

Provide aerial targetry support for testing, training, and any PM CT2 directed mission events.

1 Introduction

The U.S. Army Program Executive Office for Simulation, Training, and Instrumentation (PEO STRI), Program Manager Cyber Test Training (PM CT2), Threat Systems Management Office (TSMO) has a requirement to provide multiple Aerial Target Flight Services (ATFS) for the U.S. Army, other U.S. agencies and Allied nations. The ATFS effort consist of target assembly and disassembly, ancillary device installation, preflight checkout, site preparation, approximately 100 annual launches (+/- 5 launches), flight, control, recovery, retrieval, refurbishment, operator level maintenance, intermediate level maintenance, target logbook maintenance, target system in-storage maintenance, environmental protection, quality assurance, logistics services, information assurance, automated systems data entry and data reporting.

This effort is for a non-commercial contract with 60 months of performance.

1.1 Mission

To provide the U.S. Army aerial target flight operations and maintenance services to support U.S. warfighters and allied partners.

1.2 Background

The PM CT2 provides ATFS support for DoD and non-DoD units. Aerial target flight operations and maintenance services are required for training programs, missile/weapon systems test and evaluation programs, missile/weapons systems lot acceptance programs, demonstrations, research and development activities, production verification, and special test programs. PM CT2 needs the ability to execute flexible and rapid acquisitions for aerial target flight operations and maintenance services

1.3 Scope

Provide PM CT2 the ability to operate and maintain aerial target flight operations for any directed mission. The ATFS effort shall provide approximately 100 annual aerial target flight

launch operations and maintenance services at Fort Bliss, Texas; White Sands Missile Range (WSMR), New Mexico; and other Posts, Camps, and Stations (PCS) in the Continental United States (CONUS) and Outside CONUS (OCONUS). As needed provide up to 10 surge launches with all associated support annually.

The efforts described include services and ancillary products to provide PM CT2 with the ATFS support required to meet the directed mission.

1.4 Applicable Documents

The Contractor shall abide by all applicable regulations, publications, manuals, and local policies and procedures specified within this PWS. Applicable documents are cited throughout this PWS. The following documents are provided only as reference unless otherwise specified. The Contractor can find the most current version of the documents at <http://armypubs.army.mil/>, <http://www.dtic.mil/whs/directives/>, and www.tradoc.army.mil/tpubs/pamndx.htm :

AR 190-13: The Army Physical Security Program

AR 25-2: Army Cybersecurity

AR 190-51: Security of Unclassified Army Property (Sensitive and Non-sensitive)

AR 380-5: DA Information Security Program

AR 381-12: Threat Awareness and Reporting Program

AR 385-10: The Army Safety Program

AR 530-1: Operations Security (OPSEC)

DOD 5220.22-M: National Industrial Security Program Operating Manual

DOD 8570.01-M: Information Assurance Workforce Improvement Program

DODD 8500.01E: Information Assurance

DoDI 8510.01 Risk Management Framework(RMF) for DoD Information Technology

DTM-09-012: Directive-Type Memorandum 09-012

2 General Requirements

This section describes the general requirements that will be performed.

2.1 Non-Personal Services

The Government shall neither supervise Contractor employees nor control the method by which the Contractor performs the required tasks. Under no circumstances shall the Government assign tasks to, or prepare work schedules for, individual Contractor employees. It shall be the responsibility of the Contractor to manage its employees and to guard against any actions that are of the nature of personal services, or give the perception of personal services. If the Contractor believes that any actions constitute, or are perceived to constitute personal services, it shall be the Contractor's responsibility to notify the Procuring Contracting Officer (PCO) immediately.

2.2 Location and Hours of Work

2.2.1 Location of Performance

Services may be required at any location in the continental United States (CONUS) or outside the continental United States (OCONUS). Each event will identify the location of the services. The estimated locations the Contractor shall provide ATFS support are Fort Bliss, Texas; White Sands Missile Range (WSMR), New Mexico; and other Posts, Camps, and Stations (PCS) in the Continental United States (CONUS) and Outside CONUS (OCONUS).

2.2.2 Hours of Work

The Contractor shall, at all times, maintain an adequate workforce for the uninterrupted performance of all tasks defined within this PWS. A break in services due to a late shift change that is not directly or indirectly caused by the Government, shall be at the expense of the Contractor. Normal workdays are Monday through Friday except approved US Federal Holidays. Contractors typically work duty hours (0700-1530) 8 hours per day, 40 hours per week, overtime has to be identified in the proposal as well as uncompensated overtime. Services provided during events may require up to 24 hours coverage per day. The contractor shall plan, staff, and perform scheduled services as identified in the PWS.

2.2.3 Recognized Holidays

Training during Federal Holidays will be identified in advance. Federal holidays are mandated by the Office of Personnel and Management. Current recognized Federal holidays include: New Year's Day, Labor Day, Martin Luther King Jr. Birthday, Columbus Day, Presidents Day, Veterans Day, Memorial Day, Thanksgiving Day, Independence Day, Christmas Day

2.3 Business Relations

The Contractor shall successfully integrate and coordinate all activity needed to execute the requirement. The Contractor shall manage the timeliness, completeness, and quality of problem identification. The Contractor shall provide corrective action plans, proposal submittals, timely identification of issues, and effective management of subcontractors. The Contractor shall seek to ensure customer satisfaction and professional and ethical behavior of all Contractor personnel.

2.4 Subcontract Management

The Contractor shall be responsible for any subcontract management necessary to integrate work performed on this requirement and shall be responsible and accountable for subcontractor performance on this requirement. The prime Contractor will manage work distribution to ensure there are no Organizational Conflict of Interest (OCI) considerations. Contractors may add subcontractors to their team after notification to the PCO or COR.

2.5 Contract Administration and Management

The following subsections specify requirements for contract, management, and personnel administration.

2.5.1 Financial Management

The Contractor shall plan, budget, schedule, and control the resources allocated to meet the requirements. The Contractor shall document and track the status of all obligated funds associated with the contract to include payments, cancellations and invoices against each contract line item number (CLIN) and subline item number (SLIN).

Items purchased by the Contractor with Contractor funds that are used for the performance of services shall be clearly identified as "Contractor Purchased" prior to its use. All items

purchased with Government funds will be identified as "Government Purchased". The Contractor shall be required to provide the COR or PCO with verified documentation that specifically calls out the items that are "Contractor Purchased" for verification that Government funds were not used. All Items purchased with Government Funds will be Government owned at the end of the contract. A detailed list will be provided to the PCO / COR on an annual basis that delineates Contractor owned and Government owned items. An updated detailed list shall be available at all times.

Failure to account for the funding sources for purchases of supplies and material that directly support PM CT2 services may result in a Government directed audit.

2.5.2 Contract Management

The Contractor shall establish clear organizational lines of authority and responsibility to ensure effective management of the resources assigned to the requirement. The Contractor must maintain continuity between the support operations at the PM CT2 - TSMO and the Contractor's offices. The Contractor shall provide the necessary resources to manage and perform all management functions required to fulfill the requirements of this PWS. The Contractor shall manage the timeliness, completeness, and quality of problem identification. The Government shall not supervise nor control the contract service personnel providers performing the services herein. Personnel shall be accountable solely to the Contractor who, in turn is responsible to the Government.

2.5.3 Contract Administration

The Contractor shall establish processes and assign appropriate resources to effectively administer the requirement. The Contractor shall respond to Government requests for contractual actions in a timely fashion (not to exceed five business days). The Contractor shall have a single point of contact between the Government and Contractor personnel. The Contractor shall assign work effort and maintaining proper and accurate time keeping records of personnel assigned to work on the requirement.

2.5.4 Personnel Administration

The Contractor shall provide administrative management and support as required for their employees. The Contractor shall provide for employees during designated Government non-work days or other periods where Government offices are closed due to weather or security conditions. The Contractor shall maintain the currency of their employees by providing initial and refresher training as required to meet the PWS requirements. The PM CT2 TSMO staff shall receive an annual overview of various topics trained and a tentative schedule of concurrency training. If no training was conducted, a memo stating that no training conducted is required.

The Contractor shall make necessary travel arrangements for employees. The Contractor shall provide necessary infrastructure to support contract tasks. The Contractor shall provide administrative support to employees in a timely fashion (time keeping, leave processing, pay, emergency needs).

2.5.5 Enterprise Contractor Manpower Reporting

The contractor shall ensure ALL contractor labor hours (including subcontractor labor hours) required for the performance of services provided under this contract are reported via a secure data collection site.

The contractor (and all subcontractors providing direct labor under this contract) shall report complete and accurate data for the labor executed during the period of performance during each Government fiscal year (FY), which runs from October 1 to September 30. The Contractor shall input the data into the appropriate eCMRA reporting tool, which can be accessed via a secure web site at <http://www.ecmra.mil/>. There are four separate eCMRA tools: Army, Air Force, Navy and All Other Defense Components. The appropriate eCMRA reporting tool to use is determined by the requiring activity being supported (e.g., if DISA awards a contract for an Air Force requiring activity, the contractor shall load the required reporting data in the "Department of Air Force CMRA" tool). While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. The contractor shall completely fill in all required data fields. The contractor shall enter initial data into the appropriate eCMRA tool to establish the basic contract record no later than 15 working days after receipt of contract award or contract modification incorporating this clause.

The contractor shall notify the COR when the basic contract record has been established in the appropriate eCMRA tool. eCMRA User Manuals and Frequently Asked Questions (FAQs) are available at <http://www.ecmra.mil/>. Contractors may direct technical questions to the eCMRA help desk at dodcmra@pentagon.af.mil.

2.5.6 Transition Plan

The Contractor shall provide a plan addressing the steps and actions necessary to facilitate a thorough, timely and transparent transition for Phase-out. The Contractor's plan shall describe their approach to ensure the necessary personnel are available for operational support during the transition periods, operational instructions, procedures and control directives to minimize negative impacts to performance requirements. All Contractor owned property shall be utilized until properly phased out or replaced during transition. A Phase-out transition plan must be completed and approved prior to its execution.

The Contractor shall implement a transition plan for Phase-out. The transition plan shall address total program activities including activities performed by major subcontractors. The transition plan shall depict the transition and phase-out all the way through final contract closeout. The transition plan shall include, but is not limited to: transition of all data and technical data; transfer of responsibility; inventories; disposal of property as directed; schedule of termination of staffing; contract closeout.

2.5.6.1 In the event of contractor transition, a phase out period of 1-month shall be required. During this period the incumbent contractor shall:

2.5.6.1.1 The incumbent contractor shall perform a joint physical inventory with the incoming contractor of all assigned Government Furnished Equipment (GFE) / Government Furnished Materials (GFM). The inventory shall be conducted IAW AR 710 2. The incumbent contractor shall prepare Defense Department (DD) Form(s) 1149 for inventory transfer, Inventory Adjustment Reports (IARs), and initiate reports of survey, as directed by the COR or Property Administrator. Hardware that is pending repair, on loan, or not physically located on-site shall be identified to the incoming contractor and included in the inventory transfer.

2.5.6.1.2 The incumbent contractor shall prepare and pre-position sufficient quantities of mission configured flight ready targets, including accurate and current target logbooks, to meet scheduled missions for the first 15 days of operation following expiration of the phase out period. All other targets and GFE/GFM shall be in a flight ready storage condition.

2.5.6.1.3 The incumbent contractor shall permit incoming contractor personnel to observe all target operations.

2.5.6.1.4 The incumbent contractor shall conduct normal aerial target flight operations and maintenance services during the phase-out period. The proposed cost to the Government of these phase-out activities shall include any cost for normal operations and maintenance services as well as the phase-out specific tasks identified in this section. A single Phase-out Option CLIN will be exercised for all services during this period.

2.5.6.2 In the event an OCONUS deployment is still ongoing past the phase-out date, the incumbent contractor agrees to accept a contract modification extending the period for performance for up to an additional month, not to exceed 66 months (with the (6) month use of option to extend services clause).

Deliverables

DI-MGMT-81945 Phase-Out Transition Plan

2.5.6.3 CONTRACTOR PHASE IN REQUIREMENTS:

The Contractor will prepare and execute a Transition Plan for Phase-in operations. The transition plan will be completed in conjunction with the Government and other Government Contractors. The Phase-In plan is not a deliverable and is not required at Contract award. The Phase-in plan shall contain a Government and Contractor approved timeline for transfer of services. The Contractor will not be responsible for Government caused delay of transition.

2.5.6.3.1 The Contractor shall execute the approved Phase-in plan and keep the Government fully informed of the transition status throughout the period. The Contractor must plan for the transfer of work control, delineating the method for processing and assigning

tasks during the phase-in/phase-out periods. Provide a status of phase- in/phase-out status for each service category on the monthly status report. The monthly status report shall contain a listing of each service category, if it has been completed phase-in/phase-out actions, total percentage of transition and estimated date of completion. Any early or late phase-in/phase-out actions shall be immediately communicated to the COR, and the Contracting Officer via an e-mail and phone call.

2.5.6.3.2 An operational phase in period may be required. In this event, the incoming contractor shall accomplish the operational phase in effort within the schedule set forth in Appendix (E). During this phase in period, the incoming contractor shall:

2.5.6.3.2.1 The incoming contractor shall perform a joint physical inventory, with the incumbent contractor when applicable, of GFE/GFM to be assigned to this contract. The inventory shall be conducted IAW AR 710 2 and will be monitored by the Government. The results of the inventory shall be recorded on DD Form(s) 1149 and shall constitute the record of transfer from the outgoing contractor back to the Government. The Government will adjust MAXIMO, if required, to reflect the results of that inventory. The inventory record shall be signed by the incoming contractor as the initial GFE/GFM record under the new contract and shall include any hardware pending repair/rebuild at other locations. Target system GFE/GFM transferred to the incoming contractor shall be in an "as is" condition and shall include all new, serviceable, used, and unserviceable hardware.

2.5.6.3.2.2 The incoming contractor shall receive and maintain a quantity of flight ready targets, pre-positioned by the incumbent contractor, required to conduct normal target operations beginning on the scheduled operational ready date. Flight ready targets will be provided in sufficient quantities to meet mission requirements scheduled for the first 15 calendar days following the phase-in period. The incoming contractor shall ensure that the targets and associated equipment provided are flight ready prior to use.

2.5.6.3.2.3 The incoming contractor shall observe the incumbent contractor's operations on a noninterference basis, and assure the capability to assume full responsibility for target flight services on the operational ready date.

2.6 Contractor Personnel, Disciplines, and Specialties

The Contractor shall accomplish the assigned work by employing and utilizing qualified personnel with appropriate combinations of education, training, and experience. The Contractor shall match personnel skills to the work or task with a minimum of under/over employment of resources. The Contractor shall provide their labor categories, labor rates, quantity of personnel, organization charts, and man-hours utilized in all proposals. All Contractor employees shall clearly identify themselves as a Government Contractor in all e-mail correspondence, formal letters, company badges and reports submitted to the Government or other parties. The Contractor shall provide the necessary resources and infrastructure to manage, perform, and administer the contract.

2.6.1 The Contractor shall provide only qualified service providers. Service providers shall be fully trained and ready to execute assigned services. Any training required to prepare a service provider shall be at the Contractors expense unless specifically identified by the Government. Any service provider determined to be unqualified or not adequately trained may be immediately removed by the COR after notification to the Contractors Program Manager and the Contracting Officer. Appropriate considerations will be requested for lost time and delays.

2.6.2 Specialties:

Qualifications are a key factor to the performance of this effort. The Government Contracting Officer reserves the right to reject proposed employees whose experience doesn't support the mission. All applicable certifications and licenses shall be provided to the COR upon request for review/verification. Other specialties may be required to accomplish the ATFS mission.

2.6.2.1 Base/Program Manager

The Base/Program Manager SHALL possess the level of communication skills required to authoritatively and efficiently brief military and civilian leadership via written products or presentations and is proficient in MS PowerPoint, Excel, and Word.

The ideal Base/Program Manager candidate:

Education/Training: BA/BS, or AA/AS and 4 years' experience or HS Diploma and 8 years' experience.

Experience: 10 years of project management/supervisory experience of sub-scale target avionics, airframe and propulsion O&M tasking. This experience shall include planning and executing separate and concurrent target missions involving single and multiple target at both CONUS and OCONUS locations. This experience must demonstrate the ability to supervise, direct and coordinate a variety of work requirements. Experience performing contractual, financial and administrative work, to include, at a minimum, project controls, strategic management procedures and senior level communication is also required. The Base/Program Manager shall have direct experience in target command and control systems and all aspects of managing target flight services. The required experience includes managing teams of contractor personnel as well as providing the Government with briefings and documentation related to the requirements of the contract. The Base/Program Manager shall be experienced in appropriate explosive ordnance qualifications and certifications IAW applicable DOD regulations. Direct aerial target control experience is desired. This supervisory experience shall include 5 years' experience in a maintenance environment where quality assurance techniques are utilized on a daily basis.

Waivers may be authorized by the Contracting Officer.

2.6.2.2 Target System Supervisor/Leader

The target system Supervisor/Leader shall possess a level of communication skills and knowledge required to provide information briefs to military and civilian leaderships with regards to target characteristics, performance, and launch/control locations.

The ideal Target System Supervisor/Leader candidate:

Education/Training: HS Diploma or Equivalent. Training or certification applicable to airframe and propulsion O&M

Experience: 8 years of sub-scale target avionics, airframe and propulsion O&M and 3 years of supervisory experience. This experience shall include supporting the planning and executing separate and concurrent target missions involving single and multiple target at both CONUS and OCONUS locations. The Target System Supervisor/Leader shall have direct

experience in all aspects of managing aerial target build up, test, launch, flight, recovery and refurbishment and be experienced in appropriate explosive ordnance qualifications and certifications IAW applicable DOD regulations. The required experience includes managing individuals and teams of contractor personnel performing organizational and depot level maintenance tasks. This supervisory experience shall include 5 years' experience in a maintenance environment where quality assurance techniques are utilized on a daily basis. The Target System Supervisor shall have 3 years' experience in an environment where direct target control experience is desired.

Waivers may be authorized by the Contracting Officer.

2.6.2.3 Target System Mechanic/Lead

The mechanic shall possess a level of communication, team working skills and basic maintenance knowledge to perform maintenance tasks IAW applicable maintenance manuals and directives.

Education/Training: HS Diploma or Equivalent. Training or certification applicable to airframe and propulsion O&M A&P license

Experience: 5 years of sub-scale target airframe and propulsion O&M, and 1 year of supervisory experience required. The Target Systems Mechanic/Lead shall have direct experience in all aspects of managing aerial target build up, test, launch, flight, recovery and refurbishment. His/her experience should demonstrate performing standardized assignments involving a sequence of related operations on aerial targets to include airframe, propulsion systems, electrical systems, flight controls and related sub- systems. The required experience includes managing individuals and teams of contractor personnel performing organizational, intermediate and depot level target system maintenance tasks

Waivers may be authorized by the Contracting Officer.

2.6.2.4 Target System Avionics/Lead

Education/Training: HS Diploma or Equivalent. Training or certification applicable to sub-scale target Avionics or TCS

Experience: 5 years of sub-scale target Avionics or TCS O&M, and 1 year of supervisory

experience The Target Systems Avionics/Lead shall have direct experience in all aspects of managing avionics tasks during aerial target build up, test, launch, flight, recovery and refurbishment. His/her experience should demonstrate performing standardized assignments involving avionics related tasks and tests on aerial targets to include airframe, propulsion, component, and subsystem installation and test. Three years' experience in performing avionics related tasks on target control systems and components

2.6.2.5 Avionics Technician/AGATCS Operator

The Avionics Technician shall possess a level of communication, team working skills and basic avionics/electrical knowledge to perform tasks IAW applicable maintenance manuals, procedures and directives.

The ideal Avionics Technician/AGATCS:

Has completed an 18-month course at an approved FAA institution or related Military Occupational Specialty (MOS) training course.

Has the ability to perform work in harsh environments.

Ability to perform simple math, perform troubleshooting of electrical components, systems, circuits, transistors and AGATCS.

Waivers may be authorized by the Contracting Officer.

2.6.2.6 Target Control System (TCS)

Education/Training: HS Diploma or Equivalent. Training or certification applicable to TCS support.

Experience: Electronic and computer background / technologies or equivalent technical certifications. Minimum related experience of 4 years with an overall working knowledge of applying target flight characteristics to mission profile support and target control.

The Remote Control Operator shall possess a level of communication, team working skills, and knowledge of target in flight procedures and operation.

2.6.2.7 Remote Control Operator (RCO)

Education/Training: HS Diploma or Equivalent. Training and certification applicable to RCO

support.

Experience: 5 years of sub-scale target system RCO duties including 5 flights as back- up controller and 5 flights as primary controller. The Remote Control Operator (RCO) shall have been qualified and been successful in performing target control missions (including range communication requirements) at local and remote locations.

Waivers may be authorized by the Contracting Officer.

2.6.2.8 Parachute Technician/Lead

The Parachute Technician/Lead shall possess a level of knowledge required to repair, maintain, pack and certify parachutes required to safely operate and maintain assigned target systems.

Education/Training: HS Diploma or Equivalent. Training or certification applicable to parachute packing for sub-scale targets

Experience: 5 years of sub-scale aerial target parachute packing experience. The Parachute Rigger shall possess a level of knowledge required to follow detailed checklists and manuals in order to repair, maintain, pack and certify parachutes required to safely operate and maintain assigned target systems. Parachute Technician/Lead must maintain appropriate explosive ordnance qualifications and certifications IAW applicable DOD regulations. Parachute Technician/Lead must have experience in maintaining the required inventory of parachute spare parts and consumable materials related to parachute packing requirements and be experienced in configuration documentation and quality assurance requirements related to parachute packing. Has the ability to work as part of a team.

Waivers may be authorized by the Contracting Officer.

2.6.2.9 Field Service Engineer (Target)

Education/Training: BA/BS, or AA/AS and 4 years' experience or HS Diploma and 8 years' experience.

Experience: 8 years of engineering experience supporting sub-scale target avionics, airframe and propulsion O&M including the following: Plans or assists in planning tests to evaluate equipment performance. Determines test requirements, equipment modification and test

procedures. Conducts tests using various instruments, and is able to analyze and evaluate test results and prepare reports on findings and recommendations. Maintain, repair, troubleshoot, check-out, and modify various types of Aerial Targets, Control Systems and electronic equipment

2.6.2.10 Field Service Engineer (TCS)

Education/Training: BA/BS, or AA/AS and 4 years' experience or HS Diploma and 8 years' experience.

Experience: 8 years of engineering experience supporting sub-scale TCS O&M including the following: Set up equipment for test events and operational missions; aid in performing pre-mission checkouts; troubleshooting issues arising during target testing; monitoring the system controller for telemetry quality to maintain target communications during tests to ensure successful missions and recovery; recording mission command and telemetry data and preparing/providing to the customer; applying, verifying and validating software, hardware, firmware, and cybersecurity updates to fielded equipment or units under test; supporting field tests of new hardware or software; and assisting in integration of Army TCS into existing and future sites.

2.6.2.11 Field Engineer Electrical / Computer

Engineering Support Tech Lead will apply advanced technical knowledge to solve problems by interpreting Technical Manuals, engineering data, technical data, troubleshooting, replacing components, interpreting and up-dating service bulletins, interpreting and developing EMI's; to include check-out and repair of operational equipment. Assignments typically require creativity and judgment to devise approaches to accomplish work, resolve design and operational problems, and make sound recommendations to correct or improve O&M.

Education/Training Associates degree in electronics / technologies or equivalent technical certifications in computer science or equivalent.

Experience: Minimum related experience of 4 years. Working knowledge of computers/networking/MS Office. CAD drawing experience preferred. Strong basic electronic

background with the ability to apply electronic principles. A good working knowledge of engineering, mathematics, technical applications and computers.

2.6.2.12 Field Engineer Mechanical / Electrical

Engineering Support Tech Lead will apply advanced technical knowledge to solve problems by interpreting Technical Manuals, engineering data, technical data, troubleshooting, replacing components, interpreting and up-dating service bulletins, interpreting and developing EMI's; to include check-out and repair of operational equipment. Assignments typically require creativity and judgment to devise approaches to accomplish work, resolve design and operational problems, and make sound recommendations to correct or improve O&M

The ideal Engineering Support Tech Lead:

Electronics / technologies or equivalent technical certifications or equivalent. Minimum related experience of 6 years. CAD drawing experience preferred.

Strong basic electronic and aerodynamic background with the ability to apply electrical / mechanical principles.

NOTE: The Contractor shall identify the total number of personnel proposed for each category and the total number of personnel proposed to perform the requirements of the PWS. Other labor categories not identified above, but included in the proposed staffing shall also be specified in the proposal along with the number of employees for each of those categories.

2.7 Travel / Temporary Duty (TDY)

Travel to other Government facilities or Contractor facilities may be required. All travel requirements (including plans, agenda, itinerary, or dates) shall be pre-approved by the Government 60 days from the expected departure, and is strictly on a cost reimbursable basis. Costs for travel shall be billed in accordance with (IAW) the regulatory implementation of Public Law 99-234 and FAR 31.205-46 Travel Costs (subject to local policy & procedures; may reference FAR). For travel in excess of 125 miles (one way) from the central base of operations facility, Building 8695, OroGrande Range Camp, NM, the Government will

reimburse the contractor under the travel CLIN. OCONUS trips will require a security brief and other local policy restrictions prior to approval. Contractor personnel traveling overseas must comply with applicable country clearance training and provide requested documentation 45 days prior to departure; the foreign country clearance guide is available at the following website: <https://www.fcq.pentagon.mil/>. A trip report may be required if directed by the COR or the Contracting Officer.

2.7.1 Antiterrorism (AT) Awareness Training for Contractor Personnel Traveling Overseas. This standard language text required US based contractor employees and associated sub-contractor employees to make available and to receive government provided area of responsibility (AOR) specific AT awareness training as directed by AR 525-13. Specific AOR training content is directed by the combatant commander with the unit Antiterrorism Officer (ATO) being the local point of contact.

2.8 The Contractor shall respond to and report accidents, incidents, and disasters

In accordance with AR 385-10 The Army Safety Program, Reportable accidents and incidents are those involving Contractor service providers or Government property supported by the PM CT2 - TSMO contract, involving or witnessed by Contractor personnel, and other incidents as defined below.

Accident is defined as an unplanned event that causes personal injury or illness, or property damage.

Incident is defined as an occurrence or event involving or resulting from failure to comply with standards or regulations, and/or misbehavior or criminal behavior, which results in negative mission impact, personal injury, property damage, or criminal, legal, disciplinary, or adverse administrative action being taken by authorities.

The Contractor shall comply with all installation or local command safety rules and regulations, including those pertaining to assisting injured personnel, securing accident scenes as practicable, safeguarding evidence in their possession, and assisting the Government in investigations as required.

The Contractor shall log and report all accidents or incidents, and track them until each is closed out. The Contractor shall provide a preliminary report and update it as necessary. The Contractor shall provide a final report after closing out the accident or incident.

Accident/incident reports and historical files shall remain available for the life of the contract.

Except as defined elsewhere, the Contractor shall report all incidents and accidents within 24 hours to the PCO, a PM CT2 – TSMO representative, and the COR via email and provide an incident report within 72 hours.

The Contractor shall take steps to address and/or prevent reoccurrence of accidents, incidents, or discovery of a safety hazard.

Health and Safety incident: IMMEDIATELY upon discovery, the Contractor shall report incidents involving serious injury or loss of life, via telephonic notification to the PCO, a PM CT2 – TSMO representative, and the assigned COR ensuring contact is made in real time along with a written notification. A voicemail on a telephone is not sufficient to meet the notification requirements for a serious injury or loss of life. "Immediately" is defined as "without delay".

Security: IMMEDIATELY upon discovery, the Contractor shall report any security incident that results in the loss of classified data or equipment, impacts training, results in revocation of network access or security clearance, or requires disciplinary action against the individual via telephonic notification to the PCO, a PM CT2 – TSMO representative, the assigned COR and self-report to the Defense Security Services (DSS) Agent ensuring a contact is made in real time along with a written notification. A voicemail on a telephone is not sufficient to meet the notification requirements for a security incident involving classified data or equipment. Confirmation of the self- reporting is required, and all email traffic to DSS shall be provided to the COR.

Property: IMMEDIATELY upon discovery, the Contractor shall report any damage, loss, or theft of Government property involving Contractor personnel where the value of the loss exceeds \$2,000.00 via telephonic notification to the PCO, a PM CT2 – TSMO representative,

and the assigned COR ensuring contact is made in real time along with a written notification. The Contractor shall report any willful damage or theft of equipment that is grounds for disciplinary action against an individual. A voicemail on a telephone is not sufficient to meet the notification requirements for an accident or incident with a value of loss of over \$2,000.00.

Criminal, Legal and Administrative Adverse Actions: IMMEDIATELY upon discovery, the Contractor shall report any incident involving or witnessed by Contractor personnel. Reportable incidents include, but are not limited to: criminal action by Contractor personnel on a military installation or when in a Status of Forces Agreement or when subject to Uniform Code of Military Justice; any incident which results in military, civilian, or host nation authorities recording the event in a crime blotter or arrest or indictment, or writing a memorandum, letter, or email which bans, reprimands, or admonishes Contractor personnel or their behavior; bans from installation or post, bans from contact with Soldiers, or revocation of access to facilities; violations of Status Of Forces Agreements; and any other action which would reflect poorly on the US Government. In instances involving criminal, legal or administrative adverse actions, the Contractor shall provide a telephonic notification to the PCO, a PM CT2 – TSMO representative, and the assigned COR ensuring a contact is made in real time, followed by written notification as soon as possible. A voicemail on a telephone is not sufficient to meet the notification requirements for criminal, legal or administrative adverse actions.

2.8.1 The contractor shall correct any noncompliance with safety provisions of this PWS upon Government notification. Corrective actions shall be made available for review by the COR.

2.8.2 The contractor shall establish and implement a System Safety Program (SSP). The contractor shall establish and execute a hazard identification and mitigation effort IAW Task 101 of MIL-STD-882. The contractor shall document the system safety effort in a System Safety Program Plan (SSPP) IAW MIL-STD-882, Task 102; and DI-SAFT- 81626. The SSPP shall be delivered in Section L of the contract proposal, and if approved shall become part of the contract.

2.8.2.1 The contractor shall detail the task and activities of system safety management and system safety engineering required to identify, evaluate, and eliminate or control hazards throughout the target system operations and activities. The SSPP describes fully the planned safety tasks and activities required to meet the System Safety Program requirements.

2.8.2.2 The contractor shall use section 4, MIL-STD-882 for risk matrix

2.8.2.3 The contractor shall implement a hazard tracking system IAW MIL-STD-882 Task 106

2.8.2.4 A tailored system safety program shall be implemented for all functional systems (including, but not limited to aerial target flight operations and maintenance services). The contractor system safety program requirements shall be tailored according to the guidance contained in MIL-STD 882, Army Regulation (AR) 385-10, AMCOM Regulation 385-17 and Department of the Army (DA) Pam 385-16. The contractor shall implement the following IAW MIL-STD-882:

Task 203 System Requirements Hazard Analysis Task 204 Subsystem Hazard Analysis

Task 205 System Hazard Analysis

Task 206 Operating and Support Hazard Analysis Task 208 Functional Hazard Analysis

2.8.3 The contractor shall provide a System Safety Program Progress Report (SSPPR) IAW DI-SAFT-80105 as a CDRL at the end of each contract year. This report will be used to review the safety activities and monitor progress of the contractor's system safety efforts.

2.8.4. The contractor shall provide a Safety Assessment Report (SAR) IAW MIL-STD- 882; and DI-SAFT-80102, that shall include each system. The SAR shall provide a comprehensive evaluation of all software IAW AMCOM Regulation 385-17 and hardware safety risks and shall identify and evaluate all identified design and procedural hazards present. The SAR shall also provide information on required hazard zones to protect personnel from injury due to hazardous levels of noise or non-ionizing radiation. For improvements or modifications that may affect the inherent level of safety, the contractor shall update the existing safety

assessment report evaluation of all software and hardware safety risks and shall identify and evaluate all identified hazards of the modified hardware and software. The contractor shall participate in TSMO's System Safety Working Group (SSWG) IAW MIL-STD-882 Task 105 by providing information or on-site participation in meetings, as requested by the Government. The System Safety Hazard Analysis (SSHA) Report and the Health Hazard Assessment Report (HHAR) shall be separate deliverables for each system identified in Appendix (A).

2.8.5 The contractor shall provide a System Safety Hazard Analysis (SSHA) Report IAW DI-SAFT-80101. This report is used to systematically identify and evaluate hazards, both real and potential, for their elimination or control.

2.8.6 The contractor shall provide a Health Hazard Assessment Report (HHAR) IAW DI-SAFT-80106. This report is used to systematically identify and evaluate health hazards, evaluate proposed hazardous material, and propose measures to eliminate or control these hazards through engineering design changes or protective measures to reduce the risk to an acceptable level. The HHAR for each system identified in Appendix (A) shall be included in the SAR.

2.8.7 The contractor shall report and investigate all target accidents and incident.

2.8.8 The Government will participate in target accident/incident investigations.

2.8.9 The contractor shall terminate target flights where abnormal flight characteristics are exhibited and where the target cannot be controlled and flown on the prescribed flight profile. Under no condition shall a target be permitted to fly off range or outside limits designated by flight safety and range operations.

2.8.10 The contractor shall provide primary and alternate launch safety officers IAW range safety regulations and range user documentation provided by the range safety office. These individuals shall be familiar with target launch procedures and flight operations and shall be responsible to range safety personnel for insuring safe operating practices at launch locations.

2.8.11 The contractor shall notify the COR immediately upon discovery when a condition exists which may cause undue risk to personnel or target materiel. This requirement is particularly directed toward warning of conditions that have a high probability of risk/hazard to a target during flight. Conditions may refer to encroachment of personnel into surface danger zone(s), weather, unproven mission configurations, environmental factors, or high-risk flight profile requirements.

2.8.12 The contractor shall notify the COR immediately upon discovery of any apparent safety hazards posed by the planned flight profile. In the event of an in-flight emergency, the contractor will be allowed to initiate recovery of or land the target.

2.8.13 The contractor shall immediately report any Class V malfunction to the TM/COR. Complete DA Form 4379 1 R for malfunctions involving ammunition and explosives IAW AR 75 1.

2.8.14 The contractor shall correct all deficiencies resulting from safety inspections conducted by the DCMA, installation safety officers, or other agency safety inspections scheduled by the COR.

2.8.15 The contractor shall comply with range Unexploded Ordnance Hazards and Munitions Management Plan/Policy provided by the range safety office, and may vary by range.

2.8.16 The contractor shall comply with all safety SOPs, regulations, and range policies when handling or storing potentially hazardous items such as squibs, rocket motors, flares, igniters, fuels, batteries, and Electronic Explosive Devices (EEDs), IAW range specific policies.

2.8.17 The contractor shall comply with applicable regulations pertaining to motor vehicle and material handling equipment operation, security, law enforcement, fire prevention, safety, accident prevention, and target flight/range safety requirements established by the individual ranges/sites. These policies may vary by range location.

2.8.18 The Government will review and provide recommendations on the SSPP, SAR, SSHA, HHAR, and the annual SSPPR.

Deliverables

DI-SAFT-81563 Accident/Incident Report

DI-SAFT-80106C Health Hazard Assessment Report (HHAR)

DI-SAFT-80101C System Safety Hazard Analysis Report (SSHAR) DI-SAFT-80102C Safety Assessment Report (SAR)

DI-SAFT-80105C System Safety Program Progress Report (SSPPR) DI-SAFT-81626 System Safety Program Plan

2.9 Hazardous Materials (HAZMAT) Management

The Contractor shall comply with military installation, local, state, and federal laws, regulations, policies/procedures for HAZMAT, and be guided by AIA/NAS 411 "Hazardous Materials Management Program. The Contractor shall handle, containerize, store, and provide intra-station transportation of regulated hazardous and non-hazardous waste generated as a result of operation and maintenance. The Contractor shall prepare regulated waste for disposal to include marking, labeling, and preparation of an internal tracking system IAW local instruction. The Contractor shall comply with all applicable federal, state and local laws and regulations addressing handling, storage, clean-up of spills, and disposal procedures for regulated wastes and hazardous materials, and create and/or maintain relevant Material Safety Data Sheets (MSDS) as guided by ANSI-Z400.1 at each site. Additionally, the Contractor shall be responsible for ensuring Contractor personnel are certified and trained IAW applicable Occupational Safety and Health Administration, Environmental Protection Agency, U.S. Army Public Health Command (USAPHC), state and local regulations, as appropriate. The Contractor shall be responsible for any additional expenses incurred due to their management of regulated waste or hazardous materials including, but not limited to, noncompliance with or violation of federal, state, or local laws and regulations, maintaining inappropriate records, spills, failure to source separate wastes, or failure to provide chemical composition of wastes.

The contractor shall establish and maintain an Accident/Hazards Prevention Plan and System

Safety Program covering target system operations and activities to be performed under this contract. This program shall incorporate the necessary controls for the safety of personnel and property and shall assure compliance with applicable Federal, State, Department of the Army, and local range safety and environmental requirements.

Deliverables

DI-SAFT-81563 Accident/Incident Report

2.10 Cybersecurity and Configuration Management

2.10.1 The Contractor shall require that lead and support personnel performing IA- enabled job functions possess the Information Assurance Management (IAM) or Information Assurance Technical (IAT) certification relevant to their role within the execution of this contract and IAW DoDD 8140.01, DoD 8570.01-M, AR 25-2 (4-3 Risk Management Framework), and Army BBP 05-PR-M-002. IA engineers, analysts, and technicians shall complete the required "IA Awareness Training." Method of training for "DoD Cybersecurity Awareness training" is at <https://cs.signal.army.mil> or <https://jkodirect.jten.mil/Atlas2/page/login/Login.jsf>. The Contractor's Cybersecurity Team shall complete the required "Cybersecurity Fundamentals Training or approved training by government." Cyber Regulation, Directives, Publications, and Cyber Websites Links identified in Appendix (H).

2.10.2 Per DoD 8570.01-M and AR 25-2, the Contractor employees supporting IA/IT functions shall be appropriately certified upon contract award. The baseline certification as stipulated in DOD 8570.01-M **must** be completed upon contract award.

2.10.2 The Contractor shall implement the Army Best business Practices Federal Information System Management Act (FISMA) security requirements, Appendix II of OMB A-130, to include the configuring systems to Security Technical Implementation Guides (STIGs) compliance, patch management, Information Assurance Vulnerability Management (IAVM), AR 380-5, National Security Telecommunications and Information Systems Security Policy (NSTISSP), No. 11 with revisions, " National Policy Governing the Acquisition of Information Assurance (IA) and IA-enabled Information Technology Product," DoDI 8500.01, and must be

compliant with all NETCOM Tactics Techniques Plans (TTPs) which can be found at Risk Management Framework (RMF) Knowledge website cyclical support to remediate or mitigate know critical issues, and other Information Assurance functions.

2.10.3 Cyber Documentation: The Contractor shall establish a program Information Assurance liaison with the Government or designee to provide and maintain up-to-date status of IA accreditation/remediation efforts IAW DI-MISC-80508. The Contractor shall assist in the upkeep of the System Registration Review (SRR), System Security Plan (SSP), System Contingency Plan (SCP), System Configuration Management Plan (SCMP), systems Plan of Action and Milestones (POA&M), Information Assurance Vulnerability Alert (IAVA) Reports, STIG Deviation Reports, STIG Checklists, Accreditation and Data Flow Boundaries, Software and Hardware Lists for each system configuration.

2.10.4 Cyber Tools and Reports: The Contractor shall configure the system to maintain an Authority to Operate (ATO) certification to the RMF Confidentiality, Integrity, and Availability (CIA) and Certification Level (CL). The Contractor shall coordinate with the Government to maintain the system accreditation by incorporating STIG compliance updates and mitigating the results of penetration testing into all software baseline release activities. The Contractor shall perform automated and manual IAVM scans per the latest STIG requirements and incorporate the updates into each subsystem/system software revision. In the event that Defense Information Systems Agency (DISA) cease support for the current, Information Assurance toolset (For example: Assured Compliance Assessment Solution (ACAS/Nessus and SCAP is required for Vulnerability Testing, and for Security Coding Tool and example is Fortify), the Contractor shall migrate to an alternative toolset, an action that will be directed by the Government. This data shall be incorporated into the appropriate System POA&M in order to maintain the ATO. The Contractor shall fix or mitigate items from the POA&M per Government direction and shall update. The Contractor shall incorporate IAVM updates for each system configuration into the system software development process, to include subsystems, IAW the POA&M; IAVM updates shall be integrated into the fielded system software release quarterly at a minimum or in each software revision, whichever comes first IAW approved SSP and NETCOM TTP. The Contractor shall provide a schedule for Information Assurance activities including system IA updates for insertion into System Software releases,

the update cycle for quarterly STIG review, implementation, and compliance, mitigations, and any other pertinent IA activities IAW DI-MISC-80508.

2.10.5 The Contractor shall support associated activities requested by the Government to use a third party to scan the system for IA vulnerabilities. The Contractor shall support the annual review of each accredited system/sub-system's IA controls according to Federal Information Security Management Act (FISMA) guidance in conjunction with the TSMO Information System Security Manager (ISSM) and /or PEO STRI IA designee. The Contractor shall conduct IA scans on Government Furnished Equipment (GFE)

2.10.6. The Contractor shall follow production specification and evaluation requirements of the National Institute of Standards and Technology (NIST), Special Publications (SP) 800.53 Security and Privacy Controls for Federal Information Systems and Organizations, Committee on National Security Systems Instruction (CNSSI) 4009, CNSS, Glossary, Common Criteria, and National Information Assurance Partnership (NIAP) Approved Product List (APL). All incorporated IA products, and IA-enabled IT products that require use of the product's IA capabilities, acquired under the contract, shall comply with the National Telecommunications and Information Systems Security Policy (NTSISSP) No. 11 "National Policy Governing Acquisition Assurance (IA) and IA-enabled Technology Product." All Contractor developed products shall be secured IAW STIG's and tested with a Software Code Security Tool in order to make sure contract develop software is secure prior to the be applied to baseline of system. Contractor shall purchase all hardware and software through Computer Hardware Enterprise Software and Solutions (CHESS) is the Army's designated Primary Source for all commercial IT IAW AR 25-1.

2.10.7 Cyber Reports and Tasks Schedules

The Contractor shall provide technical support on developing the following reporting requirements IAW DI-MISC-80508.

- ASA (ALT), Department CIO-G6 Headquarters, and PEO STRI Tasks
- Monthly Reports

- Audit Reports
- Master Access List
- Training Update Reports
- Acceptable Use Policy (AUP)
- Privileged Access Agreement (PAA)
- Annual Cyber DoD Certificates
- Cyber Security Fundamentals
- MISC Cyber Training/Certification (Security +, other Cyber Training)
- Daily System Access Log Report
- Quarterly Reports
- IAVA Reports
- IAVA Reports could be more than quarterly if a tasker requires PEO STRI, ASA

(ALT) or Department CIO-G6 Headquarters requests an update

- Vulnerability Scan Reports
- ACAS/Nessus Scans
- SCAP Scan Reports on all COTS Software and Hardware
- STIG Checklists
- STIG Deviation Reports
- Software Security Reports for any developmental software
- Updated Configuration Drawings
- Updated Software and Hardware Reports
- POA&M
- FISMA Annual Reports
- ACAS/Nessus Scans
- SCAP Scan Reports on all COTS Software and Hardware
- STIG Checklists
- STIG Deviation Reports
- Software Security Reports for any developmental software
- Updated Configuration Drawings
- Updated Software and Hardware Reports
- POA&M

- Training Reports
 - Acceptable Use Policy (AUP)
 - Privileged Access Agreement (PAA)
 - Annual Cyber DoD Certificates
 - Cyber Security Fundamentals
 - MISC Cyber Training/Certification (Security +, other Cyber Training)
 - IA Posture Checklist (IPAC)
 - ACAS/Nessus Scans
 - SCAP Scan Reports on all COTS Software and Hardware
 - STIG Checklists
 - STIG Deviation Reports
 - Software Security Reports for any developmental software
 - Updated Configuration Drawings
 - Updated Software and Hardware Reports
 - POA&M
 - FISMA Annual Review Report
 - ACAS/Nessus Scans
 - SCAP Scan Reports on all COTS Software and Hardware
 - STIG Checklists
 - STIG Deviation Reports
 - Software Security Reports for any developmental software
 - Updated Configuration Drawings
 - Updated Software and Hardware Reports
 - POA&M
- 2.10.8 The Contractor shall track all cyber funding and provide monthly on the following:
- Hours used by personnel
 - What Task was accomplished
 - Cost to the government
 - How much cyber funding remains
 - 1.5 Cyber Technical and Meeting Support
 - The Contractor shall attend and support various meetings to include:

- Integrated Product Team (IPT) Meetings
- Program Management Reviews (PMR's)
- System Testing and/or Integration Events
- Technical Interchange Meetings (TIM)
- Training Events
- Cyber Meetings

2.10.9 The contractor shall provide Information Assurance system-level support functions IAW provisions in the following documentation and references: DoDD 8500.01, DoDI 8500.2 to include the product specification and evaluation requirements stated in paragraph E3.2.5 (Common Criteria) and/or the DoD Unified Capabilities (UC) Approved Product List(APL), DoDI 8580.1, DoDI 8510.01 Risk Management Framework (RMF) for DoD Information Technology, CNSSI 1253, DoDD 8570.01, DoD 8570.01-M, AR 25-2, and Army Best Business Practices, the acquisition life cycle requirements of DoDD 5000.01 and DoDI 5000.02, Federal Information System Management Act (FISMA) security requirements, Appendix III of OMB A-130, to include the configuring systems to Security Technical Implementation Guides (STIGs) compliance, patch management, Information Assurance Vulnerability Management (IAVM), AR 380-5 and National Institute of Standards and Technology Special Publication (NIST SP) 800-37, Guide to Applying the RMF To Federal Information Systems, National Security Telecommunications and Information Systems Security Policy (NSTISSP), No. 11 with revisions, "National Policy Governing the Acquisition of Information Assurance(IA) and IA-enabled Information Technology Product," DoDD 8500.01E, paragraph E2.1.16.4 of the current version of PEO STRI Basic Accreditation Manual(BAM)and cyclical support to remediate or mitigate known critical issues, and other Information Assurance functions as required. Cyber Regulation, Directives, Publications, and Cyber Websites Links identified in Appendix (H).

In accordance with DoD 8570.01, AR 25-2, and Army BBP 05-PR-M-002, the contractor shall require that lead and support personnel performing IA-enabled job functions possess the Information Assurance Management (IAM) or Information Assurance Technical (IAT) certification relevant to their role within the execution of this contract. All contractor employees and associated sub-contractor employees must

complete the DoD IA/Cyber awareness training before issuance of network access and annually thereafter. Method of training for "IA/Cyber Awareness Training" is <https://ia.signal.army.mil>, titled "DoD Information Assurance Awareness Mandatory IA Training." The contractors IA Team shall complete the required "Information Assurance Fundamentals Training." All contractor IA training certifications must be sent to the TSMO IAM and or PEO STRI IA designee.

2.10.10 Configuration Management (CM) Control:

2.10.10.1 The contractor shall sustain and mature the current CM Policy to establish and maintain the integrity of the components, services, products, and assets throughout the product line life cycle. CM Policy shall identify, track, and document configuration items, control the configuration items and changes to them, and record and report status, and change activities to these configuration items to include developers and products.

2.10.10.2 CM shall:

- Identify the configuration items, components, and related work products that will be placed under configuration management
- Establish and maintain a configuration management and change management system for controlling work products
- Create or release baselines for internal use and for delivery to the customer
- Track change requests for the configuration items
- Control changes in the content of configuration items
- Establish and maintain records describing configuration items
- Perform configuration audits to maintain the integrity of the configuration baselines

2.11 The contractor shall maintain configuration control of the development baseline documentation IAW the contractor's established CM procedures for the duration of this contract or until Government approval of the Engineering Release Record (ERR) establishing the Product Baseline. No changes to the baseline documentation shall be made without coordination and agreement with the Government. The contractor data management program shall provide visibility of contract data requirements and all significant contractual events and assure the currency and timeliness of all contractually required data. The contractors Technical Data Package shall be accessible to the Government through electronic access.

Classified material shall not be delivered electronically. Anti-terrorism/Operations Security (AT/OPSEC)

2.11.1 Per AR 530-1 Operations Security, the Contractor employees must complete Level I OPSEC Awareness training. New employees must be trained within 30 calendar days of their reporting for duty and annually thereafter.

2.11.2 The contractor shall develop an OPSEC Standing Operating Procedure (SOP)/Plan within 90 calendar days of contract award, to be reviewed and approved by the responsible Government OPSEC officer, per AR 530-1, Operations Security. This SOP/Plan will include the government's critical information, why it needs to be protected, where it is located, who is responsible for it, and how to protect it. In addition, the contractor shall identify an individual who will be an OPSEC Coordinator. The contractor will ensure this individual becomes OPSEC Level II certified per AR 530-1.

2.11.3 The contractor shall complete the DOD Information Assurance Awareness prior to access to the IS and then annually thereafter.

2.11.4 Contractor and all associated sub-contractors employees shall comply with applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative). The contractor shall also provide all information required for background checks to meet installation access requirements to be accomplished by installation Provost Marshal Office, Director of Emergency Services or Security Office. Contractor workforce must comply with all personal identity verification requirements as directed by DOD, HQDA and local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in contractor security matters or processes.

2.11.5 The contractor shall provide release of general business reports or product information to the general public, including media representatives, pertaining to the Contractor's organization, finances, or publicly available products is not restricted in any way

by this PWS.

Deliverable

DI-MGMT-80934C Operations Security (OPSEC) Plan

2.11.6 AT Level 1 Training

All Contractor employees, to include subcontractor employees, requiring access Army installations, facilities and controlled access areas shall complete AT Level I awareness training within 30 calendar days after contract start date or effective date of incorporation of this requirement into the contract, whichever is applicable. The Contractor shall submit certificates of completion for each affected Contractor employee and subcontractor employee, to the COR or to the Contracting Officer. AT level I awareness training is available at the following website: <http://jko.jten.mil>.

2.11.7 iWATCH Training

The Contractor and all associated subcontractors shall brief all employees on the local iWATCH program (training standards provided by the requiring activity AT Office). This local developed training will be used to inform employees of the types of behavior to watch for and instruct employees to report suspicious activity to the COR and/or PCO. This training shall be completed within thirty (30) calendar days after the Post Award Conference and within thirty (30) days of new employees commencing performance with the results reported to the COR/PCO no later than sixty (60) calendar days after contract award. The COR can adjust the dates as required and will not require a CDRL modification.

2.11.8 Army Training Certification Tracking System (ATCTS)

All Contractor employees with access to Government Information Systems must be registered in the ATCTS at commencement of services, and must successfully complete the DoD Information Assurance (IA) Awareness training prior to access to the IS and then annually thereafter.

2.11.9 Threat Awareness and Reporting Program (TARP)

All Contractor employees with security clearances must receive annual TARP training by a counterintelligence agent or other trainer as specified in AR 381-12, Threat Awareness and Reporting Program, Paragraph 2-4b. A completion (by name) roster will be submitted to the COR and then forwarded to the PCO.

2.12 Government Furnished Materials

The Government may make available materials, office space, and communications assets. If Government furnished materials are provided the Contractor is responsible for alerting the Government to a change in the operational status within two business days. Items vital to the performance of services will be reported immediately to the COR, Contracting Officer and a PM CT2 – TSMO representative via email and a phone call.

A delay due to a communication failure on an item addressed in this subsection is unacceptable and will be at the Contractors expense. Unless specifically identified the Government shall not provide vehicles or transportation for the performance of services. The Contractor is responsible for all transportation unless specifically identified in a PWS. The Government will not purchase or authorize the purchase of vehicles for the use of contractor transportation to be delivered as Contractor Acquired Property.

Transportation, unless specifically identified by the Government will be the responsibility of the Contractors Program Management.

Contractor Acquired Property: The contractor shall deliver all Contractor Acquired Property (CAP) for use in the execution and management of all services. The contractor shall provide a quarterly CAP report IAW DI-MISC-80508 to the Contracting Officer and COR which contains at a minimum consumable items, final disposition of items purchased, and items retained as CAP. The Government will determine if the CAP will either be delivered or disposed of by the contractor prior to contract close out.

2.12.1 A vital item as it relates to performance of services is defined as anything that would degrade, hamper, or reduce the value of an event or cause an unwanted stop of services.

2.13 Quality Assurance

The Government will monitor the Contractors performance under this contract in accordance with the Governments Quality Assurance Surveillance Plan (QASP) and the Contractors internal Quality Plan. The QASP may be modified as required and may be sent to the Contractor for review. The PCO can assign multiple Contracting Officer Representatives (CORs) to provide surveillance reports that may be incorporated into the Contractors Performance Assessment Reports System (CPARS).

2.13.1 QUALITY: The Contractor shall develop a Quality System Plan (QSP) IAW DI-MISC-80508. The contractor shall implement and maintain a quality system in accordance with the Quality System Plan (QSP) as described in the following sections. The Contractor's quality procedures, planning, and all other documentation and data that comprise the quality system shall be made available for Government review throughout the contract.

2.13.2 The Contractor shall implement and maintain a basic quality system throughout the performance of this contract. The Contractor's quality procedures, planning, and all other documentation and data that comprise the quality system shall be made available for Government review throughout the contract. The contractor shall submit its QSP to the Government COR. The QSP shall describe in detail its approach to implement and maintain a basic quality system. The QSP shall provide for controls of process and product characteristics and include criteria and methodology that are used to validate conformance to performance specifications and to achieve functional areas in the design, test, production, and management processes, as applicable. If the contractor proposes to use a quality system that has not been approved under the DoD Common Process (or Standard Process) Initiatives for DoD contracts, the description shall address the following twenty elements, as applicable: management responsibility; quality system; contract review; design control; document and data control; purchasing; control of customer supplied product; product identification and traceability; process control; inspection and testing; control of inspection; measuring and test equipment; inspection and test status; control of nonconforming product; corrective and preventive action; handling, storage, packaging, preservation, and delivery; control of quality records; internal quality audits; training; servicing; and statistical techniques.

The contractor shall prepare this data IAW DI-MISC-80508.

The Contractor shall develop, implement, and maintain controlled procedures for inspection and test equipment to ensure that products meet the specified performance requirements. Inspection and test equipment, and acceptance test procedures that are necessary to verify acceptance criteria specified in the performance specification, will require Government validation. Subsequent concurrence by the Government of changes to validated equipment and procedures will be IAW the contractor's validation.

Deliverable

DI-MISC-80508B Technical Report - Study/Services

3 Performance Requirements

Each category listed in section 3 are performed as direct. Commercial and non- commercial supplies will be required and identified on the other direct costs (ODC). All material and supplies procured for the execution of Fixed Price efforts will be delivered unless specifically identified.

The Government shall retain Government Purpose rights to all technical data, designs, production drawings, as well as any documents or products that are the result of labor performed unless specifically identified. No Restrictive marking shall be placed on documents or products in which the Government has Government Purpose Rights.

3.1 Introduction

This section establishes tasks and responsibilities in functional areas applicable to the Target systems specified in this PWS. In addition, the services under this PWS shall also be available for any Target system designated by the Government. Any such additional system or subsystem, which is not specifically listed at Appendix (A), will be similar in operation and maintenance to those listed systems such that the contract services may be readily performed with the same type of labor as proposed for the listed systems.

3.2 General Aerial Target Flight Operations and Maintenance Requirement

In performing aerial target flight operations and maintenance functions under this contract the following shall be provided by the contractor.

3.2.1 The contractor shall provide a full-time, on-site, dedicated Base Manager who shall be responsible for overall aerial target flight services and program supervision.

3.2.2 The contractor shall provide staffing to perform up to four simultaneous missions comprised of a mixture of target systems listed in Appendix (A). Qualified skill sets must relate to remote control operations, mechanical and avionics maintenance, turbine engine maintenance, composite repair, telemetry systems support, quality control, property control, logistics, information assurance, and administrative support. Multiple tasks/functions may be performed by a qualified, individual contractor employee. An individual mission will not require more than ten launches/flights in a duty day. Individual missions may be comprised of multiple target platforms that may require addition contractor crews.

3.2.2.1 The Contractor shall provide a Target System Supervisors at the qualification level identified in section 2.6.2.2.

3.2.2.1.1 The Contractor shall provide full-time, on-site, dedicated Target System Supervisors services at both WSMR and Orogrande simultaneously. This requires the contractor to provide a staffing level to accommodate (2) Target System Supervisors at Orogrande and (1) at WSMR.

3.2.2.2 The Contractor shall provide a full-time, on-site, dedicated Target Systems Field Engineer to support operations at Orogrande. This required the Contractor to provide a staffing level to accommodate (1) Target Systems Field Engineer to assist as needed.

3.2.2.3 The Contractor shall provide a full-time, on-site, dedicated Control System Field Engineer to support operations at Orogrande. This required the Contractor to provide a staffing level to accommodate (1) Control System Field Engineer to assist as needed. Qualification are identified in PSW section

3.2.2.4 The Contractor shall provide Mechanic support as needed to cover all items listed in

the PWS.

3.2.2.5 The Contractor shall provide Parachute Rigger support to cover all actions listed in the PWS.

3.2.2.6 The Contractor shall provide Target Remote Control Operator support to cover all actions listed in the PWS.

3.2.2.7 The Contractor shall provide Avionics or Electronics Technician support to cover all action listed in the PWS.

3.2.2.8 The Contractor shall provide Target Control System Operator support to cover all actions listed in the PWS.

3.2.3 The contractor shall ensure all pre-travel requirements have been coordinated with the COR and completed 60 days prior to travel.

3.2.4 The contractor shall provide full-time, on-site, dedicated staffing to perform System Administrator and Information System Security Officer (ISSO) functions, act as a program Information Assurance liaison with the Government, and interface with Network Command (NETCOM) for all information systems used in direct support of the ATFS program and coordinate all actions with TSMO's Information Assurance Manager (IAM).

3.2.5 The contractor shall ensure that personnel with security clearances (up to the SECRET level) are available to perform tasks during the performance period of the contract. Specific requirements are identified in the contract's DD Form 254, Contract Security Classification Specification.

3.2.6 The contractor shall attend and provide logistics and technical support for events and meetings associated with mission planning, flight scheduling, and post-mission follow-up actions with the COR, test conductors, range officials, other contractors, foreign nationals and/or personnel involved in the conduct of target flight operations using target systems under this contract. Support includes conveying technical capabilities of target systems and subsystems.

3.2.7 The contractor shall provide flight services expertise, as related to specific missions, at Government meetings and reviews, as requested and approved by the COR. For mission's requiring travel as directed by the COR, the contractor will be reimbursed under the Travel contract line item number (CLIN) in accordance with the Joint Travel Regulation (JTR).

3.2.8 The contractor shall provide target system and target control system (TCS) operational briefings to Government agencies, other contractors, and foreign nationals as requested and approved by the COR.

3.2.9 The contractor shall provide orientation, briefings and tours of target maintenance and operation sites as requested and approved by the COR.

3.2.10 The contractor shall review minutes of meetings, conferences, and program reviews and coordinate action item assignments with the COR.

3.2.11 The contractor shall receive a quantity of Government furnished targets as an operational/maintenance pool as shown at Appendix (A). The COR reserves the right to increase or decrease the target pool quantities to meet mission requirements.

3.2.12 The contractor shall meet the requirements stated in Appendix (B) for acceptable levels of performance, duty hours (0700-1530L), and other special provisions.

3.2.13 The contractor shall configure Government furnished targets, with any required ancillary device(s), to meet mission requirements.

3.2.14 The contractor shall load, transport, unload, setup, checkout, and operate all target system GFE/GFM required in performance of this contract within 125 miles (one-way driving distance) from the central base of operations facility, Building 8695, Orogrande Range Camp, NM.

3.2.15 The contractor shall prepare mission-configured primary and backup targets to meet the designated TSMO mission calendar.

3.2.16 The contractor shall provide a target certification worksheet to include part 1 and 2

test results, target tail number, GFE number and target build no later than 7 calendar days before mission date to the COR.

3.2.17 The contractor shall coordinate with other support contractors and Government organizations to configure targets for nonstandard missions (e.g. special test flights, preproduction testing, research development test & evaluation (RDT&E) flights, and unique target configurations) as directed by the COR.

3.2.18 The contractor shall install, relocate, and remove any equipment associated with, or a part of, target systems or GFE/GFM provided under this contract using Government approved documentation, Engineering Change Proposals (ECP), Equipment Modification Instructions (EMI's), Field Fixes, production drawings, and Modification Work Orders (MWOs).

3.2.19 The contractor shall develop and implement quality control guidelines, internal controls and procedures that ensures all GFE/GFM is operated and maintained in accordance with technical manuals, technical orders, Standard Operating Procedures (SOPs), and other Government approved documentation.

3.2.20 The contractor shall develop and install TCS pre-mission files for all target system configurations, flight profiles, and simulations.

3.2.21 The contractor shall develop map plots to meet mission requirements to include launch, flight profile, and recovery area of the target. For missions conducted on range facilities or mobile tracking and control systems using video graphic displays, the contractor shall provide detailed descriptions of the target pattern to contractors, Government, and applicable range personnel.

3.2.22 The contractor shall operate and maintain the TCS ground stations and keep units in an operationally ready status.

3.2.23 The contractor shall perform controlled exchange of spare parts for TCS and target systems.

3.2.24 The contractor shall launch/fly all targets, as scheduled by the COR, and achieve or exceed acceptable levels of performance as defined in Appendix (B). Target launches/flights may be single, or multiple target platforms. The estimated 100 (+/- 5 flights) annual flight launch requirement is identified in Appendix (G).

3.2.25 The contractor shall establish and maintain communications with range control for all target missions.

3.2.26 The contractor shall retrieve and refurbish any item of target system hardware that can be repaired for less than 50% of the item's replacement cost.

3.2.27 The contractor shall return all recovered targets to a flight ready condition within 15 working days of mission completion, or as directed by the COR.

3.2.28 The contractor shall record and report flight information for each target launch/flight containing mission specific information, quality control, target configuration and performance data, perform TCS data reduction, and maintain records of all target system flight profiles and provide mission recordings to the COR IAW DI MGMT 80368.

3.2.29 The Contractor shall procure other direct cost (ODC) items as needed to execute assigned services. ODC items consist of ancillary supplies or services required to complete assigned tasks IAW the PWS. ODC items have to be approved by the COR prior to purchase and delivered as directed by the Government. ODC expenditures shall be reported as Contractor Acquired Property (CAP) and a monthly report identifying the status is required. The Monthly report shall be in the contractor directed format but must identify each items as either delivered, consumed, retained as CAP.

3.2.30 The Contractor shall provide any combination of support services identified in the PWS to support up to 10 unscheduled or surge launches on a contract year basis. An event can only considered a surge launch if it exceeds the estimated annual launches identified in Appendix G.

3.2.31 The Contractor shall provide support services to cover unscheduled events, or surge launches as directed by the Contracting Officer. The unscheduled events shall provide a combination of all or any service categories contained in the PWS. The Government shall inform the Contractor as soon as the requirement is known and work with the Contractor to realign the schedule to provide adequate services. Approval of unscheduled events shall be made by the Contracting Officer.

The Contractor shall not execute an unscheduled event without explicit permission in writing from the Contracting Officer. The Contractor shall only perform support services once they have approval in writing and the launch is funded. The events will be approved by the Contracting Officer prior and any costs associated with unapproved events are unallowable.

Deliverable

DI-MGMT-80368 Status Report

The contractor shall set up and maintain a System Flights/Readiness Status Information Program (SF/RSIP) that includes information reflected in Appendix (C). The contractor shall prepare Progress Reports IAW DI MGMT 80555 that address the information maintained in the SF/RSIP.

Deliverable

DI-MGMT-80555A Program Progress Report

The contractor shall provide vehicles for contractor personnel and for transport, retrieval, and movement of all target hardware to sites within 125 miles of the Orogrande Base Camp.

3.2.32 The contractor shall provide all items required for the maintenance of contractor furnished vehicles to include: fuel, oil, tires, and lubricants.

3.2.33 The contractor shall provide all personal hand tools.

3.2.34 The contractor shall provide contractor furnished personal computers (PCs), reproduction and data facsimile equipment, including other peripheral items and related supplies.

3.2.35 The contractor shall obtain commercial telephone services (landline and mobile) with approval of the installation Network Enterprise Center (NEC). Installation fees, monthly service charges, and long distance charges shall be paid by the contractor and not separately reimbursed under this contract.

3.2.36 The contractor shall provide all housekeeping, sanitation and office supplies for Contractor Furnished Equipment (CFE).

3.2.37 The contractor shall perform housekeeping services for all assigned buildings, facilities, storage and work areas including policing and control of vegetation. All tools and equipment required to complete this task shall be contractor furnished.

The contractor shall provide a copy of all ATFS program data, ammunition expenditure report and COR / Administrative Contracting Officer (ACO) correspondence to the COR IAW DI-EDRS-80940,

Deliverable

DI-EDRS-80940A Reproductions

The contractor shall deliver and pick up test equipment from the Targets Flight Services Office (TFSO) and ensure test sets, electronic equipment, and diagnostic equipment are within calibration tolerances prior to use. Any item delivered to the TFSO shall be properly identified with the condition status.

The contractor shall perform logbook maintenance and establish/maintain configuration control for targets and TCS's. Government approved documentation shall be retrieved from the Secure Online Archive and Retrieval (SOAR) database, proposed revisions as necessary and submitted for Government review/approval. Maintain Government-approved target and

TCS maintenance logbooks IAW DA PAM 738- 750/751 and quality assurance and operation records.

3.2.38 The contractor shall maintain TCS relays, located on McGregor Range and WSMR, in an operable state.

The contractor shall be required to procure items that are initially unknown for the execution of the assigned services, but subsequently determined necessary during the course of the contract. All items shall be coordinated with the on-site TFSO. The Other Direct Cost (ODC) CLIN is for items and services that are not immediately available through the Government supply system, and any items needed to maintain operational capability for aerial target systems under this PWS. The contractor shall first coordinate requirements with the TFSO and then obtain approval from the COR, prior to purchase of services or items. A monthly report of the items purchased shall be delivered to the COR for review. Prior email notification to the COR for items exceeding \$100,000 is required. The monthly reporting requirement applies to all ODC regardless of dollar value. The receipt and inspection of all ODC items shall be made by the contractor. All entries made in MAXIMO for ODC items shall be made IAW the MAXIMO user's guide. The contractor shall provide detailed information concerning ODC purchases IAW DI- MGMT-80555.

Deliverable

DI-MGMT-80555 Program Progress Report

DI-MGMT-81468 Contract Funds Status Report (CFSR)

The contractor shall provide financial and accounting information IAW DI-MGMT- 81651.

Deliverable

DI-MGMT-81651 Contract Invoicing and Payment Report

3.3. ATFS Government Provided Support

3.3.1 The Government will provide target system hardware in an "as is" condition comprised of new, used, serviceable, and unserviceable hardware that includes, but is not limited to, targets, target control systems, Ground Support Equipment, standard and special tools, shop equipment, test equipment, ancillary devices, installation kits, and an initial

stockage of repair parts as identified in the Government-provided inventory database.

3.3.2 The Government will provide utilities, range communications and fire protection for all Government owned facilities except where specified as contractor furnished.

3.3.3 The Government will provide calibration services for Government owned Test, Measurement, and Diagnostic Equipment (TMDE).

3.3.4 The Government will provide fuels, propane, oils, and lubricants for the GFE.

3.3.5 The Government will provide use of Government owned buildings and facilities as reflected at Appendix (D). The COR may increase or decrease building facility assignments at any time during the term of this contract. The contractor shall be required to share some of the assigned building/facility space with other contractors and Government agencies.

3.3.6 The Government will provide a designated TSMO mission calendar, target configuration requirements, and flight profile information.

3.3.7 The Government will provide an on-site TFSO to issue hardware from warehouse stock and receive unserviceable or excess hardware from the contractor.

3.4 PRE-DEPLOYMENT SITE SURVEYS:

3.4.1 The contractor shall conduct target systems pre-deployment site surveys at various CONUS and OCONUS locations.

3.4.2 The contractor shall visit the specific location(s) to be surveyed, as directed by the COR, and perform the following tasks:

3.4.2.1 The contractor shall establish target equipment preparation sites, mission configurations, flight parameters, profiles, launch sites, drone control sites, recovery points, and target retrieval methods.

3.4.2.2 The contractor shall determine the required deployment timeframe and the availability of facilities for contractor use.

3.4.2.3 The contractor shall determine on site requirements for range access, power, communications, fuel, airspace, vehicles for target equipment transport and recovery, security, safety, and frequency clearances for target tracking and control.

3.4.2.4 The contractor shall determine type and quantity of target systems desired by the customer, requirements for associated systems hardware, GSE, ancillary devices, repair parts, and launch expendables.

3.4.2.5 The contractor shall establish points of contact with range control, range safety, and obtain copies of range SOPs.

3.4.2.6 The contractor shall obtain copies of range maps identifying the range boundaries and restricted airspace for target flights.

3.4.2.7 The contractor shall determine the labor mix of contractor personnel for any deployment that may result from the site survey.

3.4.3 The Government will provide in country Points of Contact.

3.4.3.1 The Government will provide advance notice of the site survey requirement and a representative to affirm liaison with the range/site to be surveyed and the potential target customer.

3.4.3.2 The Government will provide reimbursement for travel and per diem costs associated with the site survey.

3.5 POSTS, CAMPS AND STATIONS (PCS) FLIGHT SERVICES

3.5.1 In addition to target operations performed at Fort Bliss, TX and WSMR, NM, the contractor shall provide target flight services at CONUS and OCONUS PCS locations. Deployment periods will vary in duration.

3.5.2 The contractor shall accomplish the following tasks for PCS target flight service operations:

3.5.2.1 The contractor shall deploy serviceable targets and ancillary devices for the type flights to be flown.

3.5.2.2 The contractor shall coordinate with the COR to transport personnel, target system hardware, and approved CFE to arrive at the required destination in time to meet the target launch/flight schedule.

3.5.2.3 The contractor shall receive, unpack, assemble, prepare, and checkout the target systems and associated target hardware to meet scheduled target flights at the PCS site.

3.5.2.4 The contractor shall conduct a TCS operational verification and confirm satisfactory uplink/downlink communication for the target system to be flown.

3.5.2.5 The contractor shall launch or fly and recover targets to meet mission requirements.

3.5.2.6 The contractor shall explain target retrieval procedures to range personnel when normal retrieval is beyond the capability of the contractor.

3.5.2.7 The contractor shall assist with aerial and water search and retrieval of targets from a Government furnished helicopter or boat (with a furnished crew) by operating a target lifting sling, snare, or target strongback when required.

3.5.2.8 The contractor shall conduct on-site repair and turn-around of targets needed to meet mission flight requirements when required.

3.5.2.9 The contractor shall accomplish rapid or emergency on site repair of mission hardware (e.g. targets and TCS) to ensure that the flight schedule can be met.

3.5.2.10 The contractor shall retrieve, pack, and provide shipping documentation to the transportation office to ship residual target materiel from completed PCS flight services back to Orogrande, NM. Restore all targets to a flight ready condition within 10 working days of return from PCS operations, or as directed by the COR.

3.5.3 The Government will provide advance notification of CONUS and OCONUS PCS

mission requirements, travel, and schedules.

3.5.3.1 The Government will provide reimbursement for travel expenses and per diem, IAW the Joint Travel Regulation (JTR), Volume II, under the travel reimbursement CLIN.

Reimbursement will be limited to rates allowable where the flight services are required.

Applicable OCONUS travel related expenses such as passports, VISAs, work permits, and personnel vaccinations, will be reimbursed.

3.5.3.2 The Government will provide storage, assembly, and checkout facilities at the PCS location.

3.5.3.3 The Government will provide vehicles required to move target equipment in and around the range site, to load/unload targets and equipment on launchers or transport carriers, and to retrieve flown targets.

3.5.3.4 The Government will provide transportation of equipment from the Orogrande, NM base camp to the PCS site and return.

3.5.3.5 The Government will provide range maps and range SOPs, if available.

3.5.3.6 The Government will provide commercial power (or generator) at the launch, control, and maintenance site.

3.5.3.7 The Government will provide range communications and range access time for target preparation, flight operations, and retrieval.

3.6 SUBSCALE TARGET FLIGHT SERVICES:

TARGET SYSTEMS TASKS AND RESPONSIBILITIES AT FORT BLISS, TX AND WHITE SANDS MISSILE RANGE, NM:

3.6.1 This section contains tasks and responsibilities for flight services applicable to the following subscale target systems: MQM 107, MQM-185, MQM-178, BQM-167 and BQM 34.

3.6.2 The contractor shall furnish qualified personnel to perform the various tasks involved

in providing subscale target flights, system maintenance, and logistics services for the subscale target flight services program from both fixed and mobile launch and control locations on Fort Bliss, TX and WSMR, NM.

3.6.2.1 The contractor shall provide TCS operators, relay monitors, RCOs, launch crews, mechanics, Air Data Listener (ADL) monitors and avionics personnel to conduct satisfactory target flight operations.

3.6.2.2 The contractor shall transfer crated and uncrated target assemblies from local storage points, including the TFSO, to the system maintenance areas and uncrate, assemble/disassemble, inspect, and apply Government approved modifications to upgrade targets.

3.6.2.3 The contractor shall perform all preflight tests and check outs. Launch, fly, control, retrieve, and refurbish the subscale target systems using Government approved documentation obtained from SOAR.

3.6.2.4 The contractor shall fly target missions, as scheduled by the COR.

3.6.2.5 The contractor shall perform user level and intermediate level maintenance functions for all subscale systems and subsystems.

3.6.2.6 The contractor shall perform maintenance functions to repair/rebuild BQM-34 engines, core burners and smoke systems shall be installed on J85 engines, as directed by the COR. J69 engine nacelles shall be modified for airframe integration, as directed by the COR.

3.6.2.7 The contractor shall command recovery in the designated recovery areas, and retrieve each target and parachute from the range on the day it is flown, unless otherwise approved by the COR. Targets, recovered in other than the designated area, shall be retrieved by the contractor, as scheduled by the COR.

3.6.2.8 The contractor shall notify the COR and on site quality assurance representative prior to visiting or removing residue from the impact areas. This requirement applies when a

target demonstrates unusual or abnormal characteristics during flight.

3.6.2.9 The contractor shall remove debris, inspect, repair, pack, and install recovery systems (new and used) for use with the MQM-107, MQM-178, BQM-167 and MQM-185 target systems.

3.6.2.10 The contractor shall remove debris from retrieved system parachutes, deliver for repack, and pick up repacked recovery systems. Parachutes shall be clean, untangled, and daisy-chained prior to turn-in.

3.6.2.11 The contractor shall fuel and lubricate targets and GSE. Targets shall be topped off with fuel at the launch facility prior to launch, unless directed otherwise by the COR, and lubrication of target hardware shall be IAW Government approved documentation, obtained from the SOAR database.

3.6.2.12 The contractor shall determine target system weight and balance and rocket assisted take-off (RATO) alignment settings and make adjustments as required per the flight controller's manual to be obtained from the SOAR database.

3.6.2.13 The contractor shall perform aerial search and retrieval of targets from a Government furnished helicopter (with furnished crew) by operating a target lifting sling, snare, or target strongback. The contractor shall brief helicopter crews on target retrieval procedures and shall ensure a properly executed transportation authorization for contractor personnel is on file with the aircraft's owning unit prior to flight.

3.6.2.14 The contractor shall check for applicable Federal Aviation Administration (FAA) issued Notice to Airmen (NOTAM) in the local area of operations for any hazard effecting the safe operation of aerial targets during all CONUS and OCONUS target operations. Checks shall occur no later than 72 hours before all scheduled aerial target operations. All applicable NOTAM(s) found to effect the safe operation of aerial targets shall immediately be reported to the COR upon discovery.

3.6.2.15 The contractor shall retrieve and remove all launch residue such as RATO bottles and associated expended launch hardware from the vicinity of the launch sites on Fort Bliss, TX and WSMR, NM on a monthly basis or as directed by the COR.

3.6.2.16 The contractor shall deliver, or arrange for delivery at COR direction, tow targets to the scoring services contractor for installation or removal of scoring devices.

3.6.2.17 The contractor shall provide and install ballast for all tow target flights, as directed by the COR and perform weight and balance as required per the flight controllers manual, to be obtained from the SOAR database.

3.6.2.18 The contractor shall provide qualified personnel to receive training for the operations and maintenance functions of assigned target system.

3.6.2.19 The contractor shall receive operations and maintenance training for assigned target systems.

3.6.2.20 The contractor shall comply with provisions of WSMR Regulation 70 8 pertaining to security, recovery, and disposition of classified and unclassified test material impacting on and off range.

3.6.2.21 The contractor shall provide vehicles for subscale target system transportation, target recovery, and movement of all subscale target system GFE/GFM within 125 miles from the central base of operations facility, Building 8695, Orogrande Range Camp, NM.

3.6.2.22 The contractor shall adhere to all WSMR regulations and SOPs for hazardous items handling and transport.

3.6.3 The section below outlines what the Government will provide in support of this contract

3.6.3.1 The Government will provide training for operations and maintenance associated with new or modified target systems. This training will be conducted by the system's OEM(s) or other Government contractors or subcontractors, as directed by the Government.

3.6.3.2 The Government will provide use of the operations, maintenance, and storage facilities identified in Appendix (D).

3.6.3.3 The Government will provide ranges to conduct scheduled target flight operations.

3.6.3.4 The Government will provide manuals and technical documentation for assigned target systems.

3.7.3 Ballistic Target Services: The Contractor shall be required to provide for the acquisition and/or production of ballistic targets, target subsystems and payloads, energetics/ordnance as well as flight services. Flight services may include, but are not be limited to efforts such as live target missions, participation in meetings, site surveys, RCS measurement, conducting studies/analyses or profile development, transportation or storage of target material (including ordnance), and the development or modification of targets or mission-specific payloads, augmentation devices, or propulsion systems.

3.7.3.1 The Contractor shall be required to providing ballistic targets, flight services, and related support at CONUS and OCONUS locations including, in particular, Andoya Test Center (ATC), Norway and the NATO Missile Firing Installation (NAMFI), Crete, Greece. Support to allied nations through Foreign Military Sales is expected.

3.7.3.2 Target Performance Requirements

3.7.3.2.1. Targets shall be ballistic.

3.7.3.2.2. Performance shall closely match the example 100km trajectory shown in figure 1 and shall be within the bounds illustrated in figure 2 for the final 25 km of the trajectory.

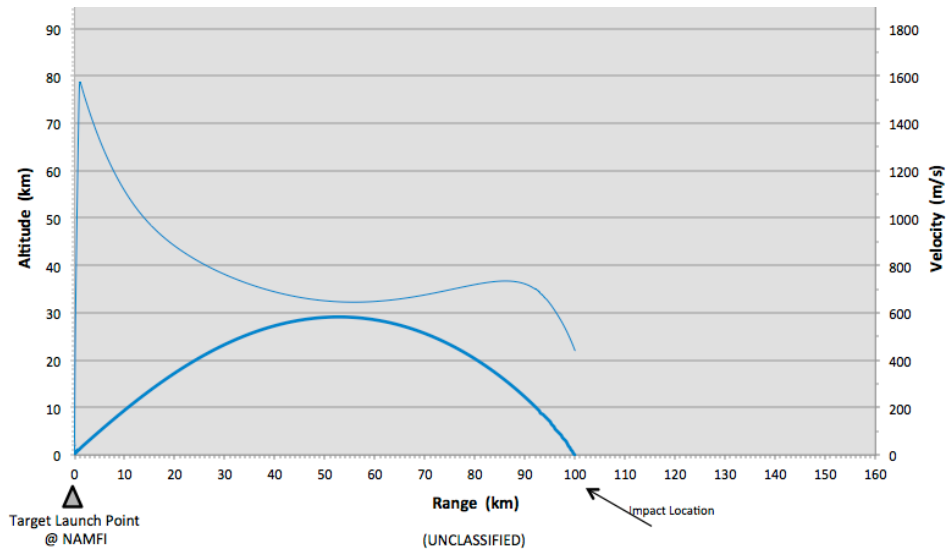


Figure 1

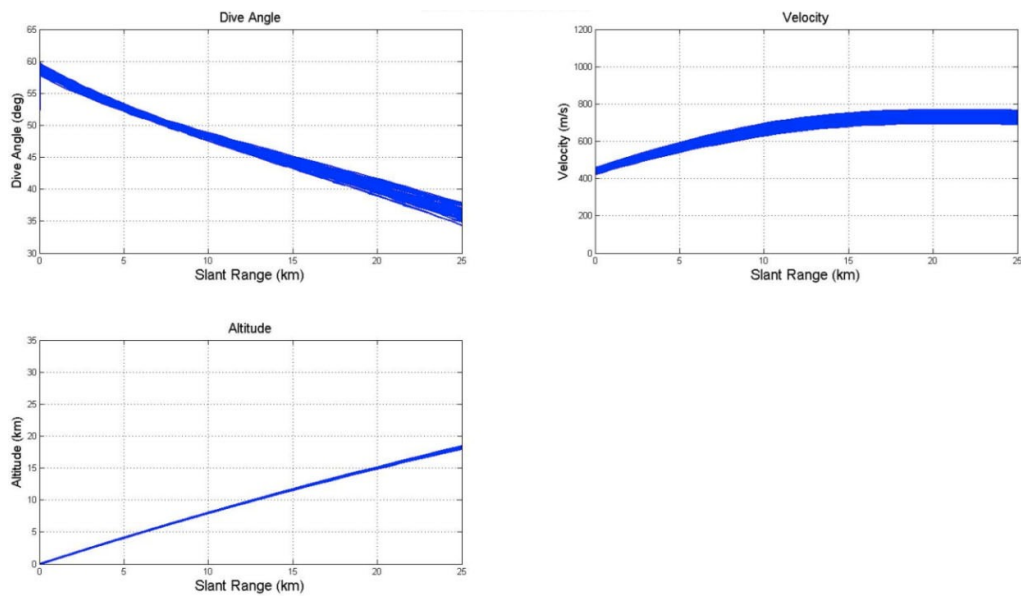


Figure 2

3.7.3.2.3. Target shall have Flight Termination capability

3.7.3.2.4. Target shall provide telemetry of position to 10m (range tracking radars with limited capability are available for secondary support).

3.7.3.2.4.1 Target shall provide display to Range Control of predicted impact point to an accuracy of 500 meters no later than apogee.

3.7.3.2.5. Target shall not pose any environmental hazards (no liquid fuels or hypergolic propellant)

3.7.3.2.6 Non-developmental targets shall be pre-approved for use at ATC and NAMFI.

3.7.3.2.7 Target shall be guided, or have demonstrated ballistic accuracy, to a CEP of 5 km radius, and three-sigma dispersion of 7 km in-range x 5 km cross-range, or better.

3.7.3.2.8 Target launch capability shall be a minimum of two launches during a one hour range period.

3.7.3.2.9 Target shall have the capability to meet the performance requirements of this example 100km trajectory as well as threat representative trajectories suitable for Patriot missile engagement. Trajectory shaping shall be accommodated by the contractor within the target system's performance limits.

3.7.4 Mission Requirements

3.7.4.1 The Contractor shall be prepared to launch multiple ballistic target missiles in a configuration suitable to meet all missile engagement requirements, and be capable of flying various threat-representative trajectories. The contractor shall ensure sufficient spares of all target system items are available in the event of an anomaly so as to preclude any impact to the Government's schedule. The Government will reimburse the contractor for all successful target presentations.

3.7.4.2 The Contractor shall provide a certified launch crew of four persons with prior operational experience with the target system and the threat trajectories.

3.7.4.3 The Contractor shall coordinate shipping of targets and/or ground support equipment with the Government, and utilize the most reliable and economic means available. Shipping expenses incurred by the Contractor will be reimbursable under this contract when approved in advance by the COR.

3.7.4.4 A successful target flight is one which is launched according to schedule and in which the flight terminates through engagement by the weapon system, or impacts within the target three-sigma dispersion area. For target flights that do not meet the successful flight criteria, a backup target flight shall be provided by the Contractor at the Contractor's expense.

3.7.4.5 The Contractor shall provide target flights under all weather conditions which are within the normal peacetime testing or training capabilities and limitations of the weapon system, and within the safe operating limitations of the firing range. The Contractor shall not be required to perform target flights during dates/times when thunderstorms are within 16 km, hail/ice, winds above 20 knots, or any other conditions which could affect the overall mission safety or safety of the launch crew.

3.7.4.6 The Contractor shall provide a brief unclassified summary report, including the dates/times of target launches, target serial numbers, trajectory data (predicted and actual, when track data is available), and the general performance of the targets pertaining to mission objectives.

3.7.4.7 The Contractor shall have standard operating procedure(s) (SOPs) approved by the range prior to the test event.

3.7.4.8 The Contractor shall provide, in addition to the ground based target telemetry and control system, a duplicate system to be installed on the range in a stand-alone configuration. All telemetry systems must be pre-qualified and approved by the COR and the range prior to operation.

3.7.4.9 The Contractor shall provide at least one representative for participation in pre-mission planning and review meetings, an After Action Review (AAR) meeting, and any other

mission-essential meetings or video/teleconferences as necessary to fully support the mission.

3.7.4.10 The Government will be responsible (in coordination with the range) for providing to the Contractor the following support:

- Transportation of Contractor equipment and personnel while on-site, and to/from military storage areas
- Use of vehicle assembly building for missile assembly and temporary storage
- Access to commercial electric power of 110/220 VAC, 50/60 Hz
- Communication equipment for Range Control
- Emergency medical care at the target launch site
- Guarding of equipment at the target launch site
- Additionally, eight (8) concrete anchors of M18 thread and not less than 10 cm of threaded length above the surface will be installed by range personnel at the launch pad location. Bolt pattern to be provided by the Contractor.

3.8 AERIAL TARGETS LOGISTIC SERVICES (ALL TARGET SYSTEMS)

3.8.1 This section contains tasks and responsibilities for logistics services for all target systems, subsystems, ancillary devices, target control systems ground support equipment, and spare parts.

3.8.1.1 The contractor shall input and maintain data in the Aerial Target Operations Management System (ATOMS) used for inventory and for capturing and reporting of target flight information. The ATOMS is a Government furnished, web-based system which consists of server(s), desktop computers, and commercial off-the-shelf software. Desktop computer components of the ATOMS shall reside on the Fort Bliss and WSMR “.mil” network domains. Inventory information for which the contractor is responsible is limited to GFE/GFM items and does not include items under Government control in the TFSO warehouse. ATOMS includes a Government-provided Computerized Maintenance Management System (CMMS), i.e. MAXIMO, in which materiel inventory and maintenance data pertaining to all GFE/GFM can be stored. The contractor shall use this system to accomplish subcontract activities, maintain

property accountability for all GFE/GFM (including PCS sites), and transfer information to other Government systems as directed by the COR. The physical location of the GFE/GFM (including PCS sites) shall not change the contractor's responsibility for property accountability.

3.8.1.2 The contractor shall coordinate and interface with other contractors and Government elements to assure that system data is current and accurate.

3.8.1.4 The contractor shall utilize other Government provided databases to obtain logistics information. The Government has transitioned from legacy logistics databases to Logistics Modernization Program (LMP) which utilizes new terms. With Government sponsorship, the contractor shall obtain access to various on-line or other training methods for new applications. The contractor shall notify the COR within 24 hours of any employees whose access requirements have changed.

3.8.2 The contractor shall provide qualified supply/logistics to perform the function outlined in the following section

3.8.2.1 The contractor shall perform functions necessary to determine resupply requirements and obtain supplies, material, repair parts, and services, to meet flight schedules, sustain the target fleet, and maintain adequate stockage levels in order to meet mission requirements.

3.8.2.2 The contractor shall generate resupply requests to the on-site TFSO for stocked and non-stocked items, in Government approved formats. Retrieve those items within two business days upon notification by the TFSO of availability.

3.8.2.3 The contractor shall receive, store, and maintain all issued GFE/GFM.

3.8.2.4 The contractor shall provide notices of availability and pack, crate, and ship targets, GSE, ancillary devices, repair parts, and other target system hardware required to conduct flight services at various CONUS/OCONUS locations.

3.8.2.5 The contractor shall store hardware, prepare shipping documentation, load and

unload transport vehicles, and deliver hardware to transportation points for outbound shipment to other locations for unique or non-standard requirements.

3.8.2.6 The contractor shall pick up and deliver hardware from the TFSO to operational sites within a radius of 125 miles from the base operations facility.

3.8.2.7 The contractor shall adjust stock age levels for expendable spare parts and reparable assemblies based on demand experience. Reduce repair parts, and other GFE/GFM, which exceed known requirements.

3.8.2.8 The contractor shall initiate reparable item turn in activity via the on-site TFSO to facilitate return of assets to vendors for repair, to the wholesale supply system, or to the Defense Reutilization and Marketing Office (DRMO). The Government may, at its discretion, task the contractor to coordinate disposal actions. Equipment turned in for repair shall be fully documented with failure cause, be accompanied by an inventory of components, and be certified as complete or be turned in with a list of missing components.

3.8.2.9 The contractor shall prepare appropriate documentation and submit to the on- site TFSO to draw GFE/GFM from stock to meet flight requirements.

3.8.2.10 The contractor shall recover and remove serviceable parts or assemblies from expended targets. Retrieve ancillary devices, refurbish, test, repair, and preserve for future use, or return to the on-site TFSO for storage.

The contractor shall conduct an annual physical inventory of all GFE/GFM assigned to the contract throughout the contract period. The inventory results shall be prepared IAW DI MGMT 80269. After the initial inventory requirement is met, phased inventories (by system) that account for all GFE/GFM are allowed.

Deliverable

DI MGMT 80269 Status of Government Furnished Equipment (GFE) Report

The contractor shall employ first in/first-out procedures in using repair parts and consumable items at

all operational locations.

3.8.2.11 The contractor shall conduct a record count or physical count of GFE/GFM assigned to the contract, as directed by the COR.

3.8.2.12 The contractor shall maintain and update MAXIMO to adjust current on-hand balances, consumption data, stockage levels, receipt files, due in and due outs, and initiate resupply actions for target hardware assigned to the contract. The materiel inventory database shall be adjusted within two business days of any action resulting in a required adjustment.

3.8.2.13 The contractor shall respond to the DCMA's assigned property administrator in resolving asset accounting issues and completion of property inventories.

3.8.2.14 The contractor shall initiate Quality Deficiency Reports (QDRs) IAW DI-QCIC-80736 and report receipt of nonconforming GFE/GFM IAW DI MGMT 80555.

Deliverable

DI MGMT 80555A Program Progress Report

3.8.3 The Government will provide the following in support of this contract

3.8.3.1 The Government will provide notification of CONUS/OCONUS PCS outbound shipment requirements, destinations, and required delivery dates.

3.8.3.2 The Government will monitor property accountability procedures and conduct periodic inspections to ensure proper controls are enforced. Provide updates to the DOD Item Unique Identification (IUID) registry to identify property in possession of a contractor, as appropriate.

3.8.3.3 The Government will update and maintain all ATOMS software and hardware components. Not more than twelve desktop computers shall be furnished as part of the ATOMS.

3.8.3.4 The Government will maintain an on-site TFSO, which will serve as an extension of the Threat Systems Management Office, to assist with requirements identification for warehouse stockage, ship/receive target hardware (excluding target equipment to conduct CONUS/OCONUS PCS missions), issue hardware from warehouse stock to the flight services contractor, receive hardware from depots and production vendors, and receive unserviceable or excess hardware from the flight services contractor. The Government may, at its discretion, task the contractor to coordinate disposal actions.

3.9 AERIAL TARGETS OPERATIONS ENVIRONMENTAL, QUALITY & MANPOWER REPORTING REQUIREMENTS

3.9.1 ENVIRONMENTAL: All Contractor and subcontractor activities shall be in compliance with applicable federal, state, and local environmental laws and regulations. The contractor shall ensure that maintenance, operation, and programmatic decisions strive to eliminate or reduce hazardous materials and wastes. The contractor shall prepare a Hazardous Materials Management Program (HMMP) Plan IAW DI-MGMT- 81398 and National Aerospace Standard (NAS) 411. The contractor shall not use substances listed in Emergency Planning and Community Right-to-Know Act (EPCRA) Section 313 "toxic chemicals" and EPCRA Section 302, "extremely hazardous substances" (available at <http://www.epa.gov>), or products containing such substances, without Government approval. The Contractor shall request approval to use substances identified in the Environmental Protection Agency (EPA) 17 - list (available at <http://www.epa.gov>) only if there is no other viable material. The contractor shall not use any Class I Ozone Depleting Chemical/Ozone Depleting Substance (ODC/ODS) (identified at <http://www.epa.gov>) in the performance of this contract, unless a waiver is obtained from the Government. The contractor shall provide immediate notification of any proposed hazardous material mitigation/elimination efforts that may adversely impact schedules, cost, or performance. The contractor shall prepare annual HMMP Progress Reports IAW DI-MISC-81397.

Deliverable

DI-MISC-81397 Hazardous Materials Management Program (HMMP) Report

3.9.1.1 The Contractor shall obtain permits, licenses, or other authorizing documents

required for its operations pursuant to laws, ordinances or regulations. Any treatment, testing, or control of releases or discharges including monitoring or mitigation measures required, as a result of the contractor's operations, shall be solely the responsibility of the contractor.

3.9.1.2 The Contractor shall ensure that all personnel are familiar with the spill plan enforced at all field locations.

3.9.1.3 The Contractor shall immediately upon discovery, personnel shall report any domestic environmental hazard witnessed during the course of operations to the COR. If OCONUS mission locations dictate, a special environmental briefing may be provided to the contractor prior to, or during deployment.

3.10 Field Engineering Support

3.10.1 The Contractor shall provide Field Engineering Support for Aerial Targets and Target Control Systems at Fort Bliss, TX, White Sands Missile Range, NM and other CONUS and OCONUS locations as required to meet target missions.

3.10.2 The contractor shall provide field engineering support for the activities associated with Aerial Targets Flight Services including target checkout and troubleshooting, target test sets and target control systems operations. This support is in conjunction with studies performed under other tasks, data analysis of special engineering flights, failure analysis, product assurance, and the preparation of test reports. This field engineering support may include Research and Development (R&D) flight efforts, technical and operational support of scheduled aerial target missions and engineering support to other Government agencies and contractors in the areas of peculiar installation requirements, engineering flights, reprogramming, setup of TSMO special projects, configuration of standard and nonstandard targets, diagnostic and trouble-shooting of test equipment malfunction, and other problems that require immediate resolution. To provide this support, the target field engineering support personnel must be permanently stationed at the Orogrande Range Camp, New Mexico.

3.10.3 The contractor shall provide field engineering assistance in support of all activities associated with ground and flight operations of aerial target systems including, but not limited to MQM-107, BQM-34, BQM-167, BATS, MQM-178, MQM-170, MQM-171, LSAT, AGATCS

Model 59 target test set, AGATCS, and other systems as directed by the COR at Ft Bliss, TX, White Sands Missile Range, NM and other CONUS/OCONUS locations as required.

3.10.3.1 This field engineering support may include Research and Development (R&D) flight efforts, technical and operational support of scheduled aerial target missions and to engineering support to other Government agencies and contractors in the areas of peculiar installation requirements, engineering flights, reprogramming, setup of TSMO special projects, configuration of standard and nonstandard targets, diagnostic and trouble-shooting of test equipment malfunction, and other related problems that require immediate resolution.

3.10.3.2 Specific flight missions may require support personnel on-site at additional locations. This on-site engineering effort shall be used to support ground and flight operations, training operations, and weapon system certifications. R&D efforts for technical support shall be on an as-required basis and as directed by the COR.

3.10.3.3 The routine support tasks such as those listed below shall be readily provided, on an as needed basis, by the resident field engineering support personnel covered by this option requirement. Any conflict or non-support shall be referred to the COR immediately upon discovery.

- a) Weight and balance of target systems.
- b) RATO alignment.
- c) Set-up and conduct of TSMO special projects.
- d) Modifications and tests, such as developmental and non-standard target missile configurations.
- e) Diagnostic and trouble-shooting of test equipment malfunctions and other target equipment problems that require immediate fix.
- f) Provide engineering-level support at mission sites.
- g) Participate in crash or accident investigations.
- h) Research, revise, validate, and verify operational procedures or processes.
- i) Install, check-out, troubleshoot, and removal of Low Altitude Threat Simulation (LATS) kits, C-band beacons, IFF transponders and other augmentation/ancillary devices.
- j) Preparation or participation in the presentation of technical data for formal or informal

briefings to present findings or present data.

k) Develop, revise or update technical documentation to include but not limited to: field engineering changes, equipment modification changes, engineering change proposals/ notices, or standard operating procedures.

l) Other activities as necessary for preparation and conduct of scheduled aerial target missions.

3.10.3.4 Data Analysis - The contractor shall provide engineering analysis of data from engineering test flights, special missions where modifications are required, and flights where problems were encountered.

3.10.3.5 Failure Analysis - The contractor shall provide engineering analysis of failures in the supported systems where a trend is developing which indicates a possible design problem, safety problem, or product assurance problem.

3.10.3.6 Equipment Modification - The contractor shall provide engineering support of temporary modifications required to the supported systems to meet unique mission requirements. This shall include modifications to hardware and/or software and include modifications to "quick look reports" and data reduction operations. Support shall include installing, documenting, and removing modifications to supported systems.

3.10.4 Research, Development, Test, and Evaluation Improvements

3.10.4.1 The contractor shall research, develop, test, and evaluate (RDT&E) improvements to the supported systems hardware and software to achieve a target system capable of meeting the requirements of state-of-the-art weapons systems undergoing RDT&E or being used for training. This engineering support may include research, design, analysis, development, prototypes, proof of principle, test, planning, data evaluation, documentation, and preparation of inputs to the Monthly Program Progress Report which documents the detailed results of any of the tasks described above IAW DI-MGMT-80555A. The Contractor shall provide a copy of any documentation generated under this option requirement if requested by the Government IAW DI-EDRS-80940.

3.10.4.2 Proof of principle evaluation tests will include environmental testing and other testing required to determine performance and/or improve design of the supported target systems, control systems, ground support equipment, subsystems, and components.

3.10.4.2.3 In accomplishing engineering support for various Government agencies involving target operations, the contractor shall coordinate and interface with the supported activities for these requirements.

3.10.4.2.4 The contractor shall provide engineering support to continuously improve the capabilities of the supported systems, subsystems, and their components. This requirement may be originated by obsolescence of components and subsystems or may be required to meet future operational requirements.

3.10.4.2.5 The contractor shall design, develop upgrades, and develop prototypes which are complementary to the existing functionality of the supported systems and their associated equipment elements.

3.10.4.2.6 Configuration Management - The contractor shall provide engineering assistance at mission sites to maintain configuration control of the supported systems that are modified on-site.

3.11 Class V Support Services

3.11.1 Class V Storage

3.11.1.1 The contractor shall provide a Contractor Owned, Contractor Operated Facility for the storage of Government owned Explosive and Incendiary devices.

3.11.1.2 The contractor shall adhere to all applicable state and federal regulations regarding the storage of explosive devices.

3.11.1.3 The contractor shall be responsible for providing monthly inventory and expenditure reports to the COR.

3.11.1.4 The contractor shall provide storage for Class V explosive items intended for use to support ATFS events at Fort Bliss, Texas and other Posts, Camps, and Stations (PCS) in the Contiguous United States (CONUS) and Outside CONUS (OCONUS). Items to be stored will include but are not limited to the following:

- a. Rocket Motor Assembled SR121-NP-2 for MQM-107, NSN 1340-01-295-5139
- b. Rocket Assisted Take Off (RATO) Rocket Motor for BQM-167, NSN 1340-01- 522-6689
- c. MK-23 MOD 3 RATO, NSN 1340-01-231-3984
- d. Flare Aircraft Counter Measure IR M206, NSN 1370-01-048-2138
- e. Cartridge, Impulse M796 for M206 Flare, NSN 1377-01-049-6365
- f. Squibs MK44, NSN 1377-00-987-3603
- g. BQM-34 Squib, PN HLX-1-22
- h. Cable Cutter MK 23, NSN 1377-00-632-8714
- i. Cartridge Cutters H1-4.0, NSN 1377-01-523-3601
- j. H 4-0 Roberts Cutter, PN C3125 or A131H-X
- k. Initiator, Rocket Motor, NSN 1338-01-554-8565
- l. Safety Box Rocket Motor, also known as JATO-SAFETY-BOX

m. Igniter, MK296 MOD O, NSN 1340-01-104-784

n. Rocket, 2.75", MK 40 Mod 3, NSN 1340-00-395-6021

3.11.2 Class V Transportation

3.11.2.1 The contractor shall transport Class V explosive items to support ATFS events at the following locations:

- a. Fort Bliss, Texas, including McGregor Range, estimated 30 events per year.
- b. Post, Camps, and stations (PCS) in the Contiguous United States (OCONUS), estimated at 3 per year.
- c. Shipment to ports/airports in CONUS, to support events at OCONUS locations.

3.11.2.2 The contractor shall be responsible to maintaining explosives magazines IAW Federal and state explosives storage regulations.

3.11.2.3 The contractor shall provide equipment for the transportation of Class V items.

3.11.2.4 The contractor shall obtain and maintain all applicable Department of Transportation (DOT) licenses and certifications required to carry out this tasking.

3.11.3 Class V Disposal

3.11.3.1 The contractor shall provide for the disposal of Class V items as directed by the COR.

3.11.3.2 The contractor shall provide evidence as to the destruction of government owned Class V items.

3.11.3.3 The contractor shall dispose of directed items IAW applicable federal and state laws.

4 Special Requirements

This section describes the special requirements for this effort. The following sub- sections provide details of various considerations on this effort.

4.1 Security

The Contractor shall comply with National Industry Security Program (NISP), Army directives and installation security regulations as appropriate as well as all the Occupational Safety and Health Act. The Contractor shall ensure all Contractor employees are in compliance with all Local, State and Federal safety laws, regulations and policies. Any violations of security regulations will be at the cost of the Contractor.

4.1.1 Security and DD FORM 254

The security requirements and Contractor access to classified information shall be as specified in a DD Form 254.

4.1.1.1 Classified information provided by the Government in support of the Target Systems project, or developed or acquired by the Contractor in accomplishing this contract, shall be handled in accordance with the procedures established in Department of Defense 5220.22-M, National Industrial Security Program Operating Manual, and in accordance with the Department of Defense Form 254, Department of Defense Contract Security Classification Specification, incorporated into the contract.

4.1.1.2 For Official Use Only (FOUO) Information provided by the Government in support of the Target Systems project, or developed or acquired by the Contractor in accomplishing this contract, shall be handled in accordance with the procedures established in Department of Defense 5200.1-R, DOD Information Security Program.

4.1.1.3 The contractor shall provide a request for release of information on the Target Systems project from persons or organizations outside of the Government shall be referred to the contracting officer for consideration in accordance with Department of Defense 5400.7-R, DOD Freedom of Information Act (FOIA) Program. The contractor shall provide release of general business reports or product information to the general public, including media

representatives, pertaining to the Contractor's organization, finances, or publicly available products is not restricted in any way by this PWS.

4.1.2 Visitor Group Security Agreement

The Contractor may be required to sign a Contractor Visitor Group Security Agreement to protect classified information involved in performance under this contract. The agreement will outline responsibilities in the following areas: Contractor security supervision; Standard Practice Procedures; access, accountability, storage, and transmission of classified material; marking requirements; security education; personnel security clearances; reports; security checks; security guidance; emergency protection; protection of Government resources; DD Forms 254; periodic security reviews; and other responsibilities , as required.

4.1.3 Personnel Security Clearances

The Contractor and all associated sub-Contractors employees shall provide all information required for background checks to meet installation access requirements to be accomplished by installation Provost Marshal Office, Director of Emergency Services or Security Office. Required Contractor workforce must comply with all personal identity verification requirements (FAR clause 52.204-9, Personal Identity Verification of Contractor Personnel) as directed by DOD, HQDA and/or local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in Contractor security matters or processes.

For Contractors requiring Common Access Card (CAC). Before CAC issuance, the Contractor employee requires, at a minimum, a favorably adjudicated National Agency Check with Inquiries (NACI) or equivalent or higher investigation IAW Army Directive 2014-05. A Contractor employee will be issued a CAC only if duties involve one of the following: (1) Remote access, via logon, to a DoD network using DoD-approved remote access procedures; or (2) Physical access to multiple DoD facilities or multiple non-DoD federally controlled facilities on behalf of the DoD on a recurring basis for a period of 6 months or more. At the discretion of the sponsoring activity, an initial CAC may be issued based on a favorable review of the FBI fingerprint check and a successfully scheduled NACI at the Office

of Personnel Management.

In addition, should the Force Protection Condition at any individual facility or installation change, the Government may require changes in Contractor security processes.

The Contractor shall comply with FAR 52.204-2, Security Requirements. This clause involves access to information classified "Confidential," "Secret," or "Top Secret" and requires Contractors to comply with

(1) The Security Agreement (DD Form 441), including the National Industrial Security Program Operating Manual (DOD 5220.22-M)

(2) Any revisions to DOD 5220.22-M, notice of which has been furnished to the Contractor.

For Contractors that do not require CAC, but require access to a DOD facility or installation. Contractor and all associated sub-Contractors employees shall comply with adjudication standards and procedures using the National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (TSDB) (Army Directive 2014-05/AR 190-13), applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by Government representative), or, at OCONUS locations, IAW status of forces agreements and other theater regulations.

4.1.4 Identification Media

The Contractor shall ensure that employees clearly display the prescribed identification at all times while they are working within Government facilities and performing official duties in execution of contract requirements. All employees requiring access to a Government facility shall coordinate with their Government sponsor and complete a DD Form 1172-2 in order to obtain a Common Access Card (CAC).

4.1.5 Classified Hardware

The Contractor shall not remove items that retain classified information, residual or active, from the secured area for maintenance until it is certified by the Government as cleared of all

classified information. Those items that cannot be certified as being free of classified information shall be disposed of IAW the AR 25-2, prescribed method for the destruction of classified material/equipment.

4.1.6 Computer Hardware Enterprise Software Solutions Program (CHESS)

The Contractor shall comply with the Army's Computer Hardware, Enterprise Software Solutions (CHESS) program, under PEO Enterprise Information System. CHESS is the mandatory source for commercial Information Technology (IT) purchases. CHESS contracts provide IT products and services that comply with Network Enterprise Technology Command (NETCOM), Army and DOD policy and standards. The Contractor shall procure commercial hardware and software IT requirements by utilizing CHESS contracts and DoD Enterprise Software Initiative agreements first, regardless of dollar value. Any purchase made outside of CHESS contracts requires a waiver. A complete list of CHESS contracts and the on-line waiver process can be found at <https://chess.army.mil>.

5 Deliverables

The Contractor shall provide deliverables as described in the Data Item Descriptions (DID). Deliverables specified in the PWS shall be submitted and approved by the Contracting Officer or an approved COR. All submissions shall be in the Contractors format and electronically submitted. The current DID can be located on

<http://quicksearch.dla.mil>. The DID describes the report information required. The frequency of each report is listed on the individual DD 1423 CDRL.

Number	Name	CDRL
DI-MGMT-81468	Contract Funds Status Report (CFSR)	
DI-MGMT-81651	Contract Invoicing and Payment Report	
DI-MGMT-81945	Phase-Out Transition Plan	
DI-SAFT-81563	Accident/Incident Report	
DI-SAFT-80106C	Health Hazard Assessment Report (HHAR)	
DI-SAFT-80101C	System Safety Hazard Analysis Report (SSHAR)	
DI-SAFT-80102C	Safety Assessment Report (SAR)	
DI-SAFT-80105C	System Safety Program Progress Report (SSPPR)	
DI-SAFT-81626	System Safety Program Plan	
DI-MGMT-80934C	Operations Security (OPSEC) Plan	
DI-MISC-80508B	Technical Report - Study/Services	
DI-MGMT-80368	Status Report	
DI-MGMT-80555A	Program Progress Report	
DI-EDRS-80940A	Reproductions	

DI MGMT 80269	Status of Government Furnished Equipment (GFE) Report	
DI-MISC-81397	Hazardous Materials Management Program (HMMP) Report	

6 Related Documents

The following Documents are related to this project:

Appendix (A) Aerial Targets/ Aircraft Pool Appendix (B) Special Instructions
 Appendix (C) Systems Flight / Readiness Status Information Program Appendix (D)
 Government Assigned Buildings / Facilities
 Appendix (E) Operations Phase-In Schedule Appendix (F) Definitions
 Appendix (G) Aerial Target Annual Flight Requirements
 Appendix (H) Cyber Regulation, Directives, Publications, and Cyber Websites Links

6.1 Acronyms and Definitions

The following list of acronyms are used in this PWS and the defined words in Appendix (F) are PM CT2 - TSMO specific. Words not specifically defined retain the traditional legal definition that a reasonable person would understand or the DOD definition located in the DOD Dictionary and Terminology Repository.

6.1.1 Acronyms

AAR	After Action Review
ADL	Air Data Listener
ACO	Administrative Contracting Officer
AGTT	Aerial Gunnery TOW Target
AMCOM	Aviation and Missile Command
ANSI	American National Standards Institute
AOR	Area of responsibility
AR	Army Regulation
ASAM	Aviation Safety Action Message
ASP	Ammunition Supply Point
AT	Antiterrorism
ATC	Andoya Test Center
ATCTS	Army Training Certification Tracking System
ATFS	Aerial Target Flight Services
ATOMS	Aerial Target Operations Management System

CDRL	Contract Data Requirements Lis
CFE	Contractor Furnished Equipment
CHESS	Computer Hardware Enterprise Software and Solutions
CIA	Confidentiality, Integrity, and Availability
CL	Certification Level
CLIN	Contract line item number
CM	Configuration Management
CMMS	Computerized Maintenance Management System
CNSSI	Committee on National Security Systems Instruction
CONUS	Continental United States
COR	Contracting Officers Representative
CPARS	Contractors Performance Assessment Reports System
DA	Department of the Army
DCMA	Defense Contract Management Agency
DD	Defense Department
DoD	Department of Defense
DSS	Defense Security Services
eCMRA	Enterprise Contractor Manpower Reporting
ECP	Engineering Change Proposals
EED	Electronic Explosive Devices
EMI	Equipment Modification Instructions
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ERR	Engineering Release Record
FAA	Federal Aviation Administration
FISMA	Federal Information System Management Act
FOIA	Freedom of Information Act
FPCON	Force Protection Condition
FY	Fiscal year
GFE	Government Furnished Equipment
GFM	Government Furnished Materials
HAZMAT	Hazardous Materials
HHAR	Health Hazard Assessment Report
HMMP	Hazardous Materials Management Program
IAM	Information Assurance Management
IAR	Inventory Adjustment Reports
IAT	Information Assurance Technical
IAVA	Information Assurance Vulnerability Alert

IAVM	Information Assurance Vulnerability Management
IAW	In accordance with
ISSO	Information System Security Officer
LATS	Low Altitude Threat Simulation
MOS	Military Occupational Specialty
MS	Micro Soft
MWO	Modification Work Orders
NAMFI	NATO Missile Firing Installation
NAS	National Aerospace Standard
NEC	Network Enterprise Center
NETCOM	Network Command
NIAP	National Information Assurance Partnership
NIST	National Institute of Standards and Technology
NSTISSP	National Security Telecommunications and Information Systems Security Policy
NTSISSP	National Telecommunications and Information Systems Security Policy
OCI	Organizational Conflict of Interest
OCONUS	Outside Continental United States
ODC	Other direct costs
ODC/ODS	Ozone Depleting Chemical/Ozone Depleting Substance
PCO	Procuring Contracting Officer
PCS	Posts, Camps, and Stations
PEO STRI	U.S. Army Program Executive Office for Simulation, Training, and Instrumentation
PM CT2	Program Manager Cyber Test Training
POA&M	Plan of Action and Milestones
PWS	Performance Work Statement
QASP	Quality Assurance Surveillance Plan
QSP	Quality System Plan
R&D	Research and Development
RATO	Rocket assisted take-off
RCO	Remote Control Operator
RDT&E	Research development test & evaluation
RMF	Risk Management Framework
SAR	Safety Assessment Report
SF/RSIP	System Flights/Readiness Status Information Program
SLIN	Subline item number
SOAR	Secure Online Archive and Retrieval

SOP	Standard Operating Procedures
SP	Special Publications
SSHA	System Safety Hazard Analysis
SSP	System Safety Program
SSPP	System Safety Program Plan
SSPPR	System Safety Program Progress Report
SSWG	System Safety Working Group
STIG	Security Technical Implementation Guides
TARP	Threat Awareness and Reporting Program
TCS	Target control system
TFSO	Operations Security
TFSO	Targets Flight Services Office
TMDE	Test, Measurement, and Diagnostic Equipment
TSMO	Threat Systems Management Office
AGATCS	Transportable Tracking and Control System
TTP	Tactics Techniques Plans
USAPHC	U.S. Army Public Health Command
WSMR	White Sands Missile Range

Appendix A

Aerial Target / Aircraft Pool
(Ref. PWS Para. 3.1, 3.2.2, 3.2.11)

<u>TARGET SYSTEM</u>	<u>NUMBER OF TARGETS</u>
MQM-107 STREAKER	*20
BQM-34 FIREBEE	10
MQM-178 FIREJET	35
BQM-167 HURRICANE	**25
MQM-185 BANSHEE	***20
BALLISTIC AERIAL TARGETS	40
ROTARY WING TARGET	OPTION
BALLISTIC MISSILE TARGETS	OPTION

* Does not include customer-owned, Special Project assets that are to be operated and maintained under this contract.

** Does not include customer-owned assets that are to be operated and maintained under this contract.

*** Targets may be comprised of multiple configurations.

NOTES:

1. Pool quantity includes target assets projected for use in supporting on-site requirements as well as CONUS/OCONUS PCS missions.

2. Actual quantities that comprise the operational pool will be driven by flight requirements and target expenditures throughout the contract period. The PCO/COR may adjust the pool quantities to accommodate operational tempo.

Appendix B

Special Instructions (Ref. PWS Para. 3.2.12, 3.2.24)

1. ACCEPTABLE LEVEL OF PERFORMANCE.

a. Satisfactory Flight Rate. The ratio of target flights rated "Satisfactory" to the total number of rated target flights is the Satisfactory Flight Rate. In calculating the Satisfactory Flight Rate, target flights designated as "Not Rated" or "Cancelled" shall be excluded. Within any 90-day period, the minimum acceptable Satisfactory Flight Rate is established by target system as follows:

MQM-107: 90%	BQM-34: 90%
RWT: 90%	BMT: 90%
BATS: 98%	MQM-178: 90%
MQM-167: 90%	MQM-187: 90%
QUH-101: 90%	

b. Operational Loss Rate. The ratio of target flights resulting in an "Operational Loss" to the total number of target flights flown is the Operational Loss Rate. In calculating the Operational Loss Rate, targets flights designated as "Cancelled" and "Not Rated" shall be excluded. Flights which result in an operational loss, but for which a "Satisfactory" rating is awarded, shall be excluded from the computation as an Operational Loss, but shall be included in the computation in total flights. Within any 90-day period, the maximum acceptable Operational Loss Rate is established by target system as follows:

MQM-107: 2%	BQM-34: 3%
RWT: 2%	MQM-178: 2%
BATS: N/A	BMT: N/A
MQM-167: 2%	MQM-187: 2%
QUH-101: 2%	

c. Property Accountability. Periodic inspections, including random sampling inventories, may be scheduled by the DCMA assigned Property Administrator and/or the contract COR. The overall minimum acceptable ATOMS accuracy rate for GFM property accountability is 98%.

d. Backup Target Usage Rate. The ratio of target flights completed using the backup target to the total number of target flights flown is the Backup Target Usage Rate. A COR directed target change-out is excluded in computing the Backup Target Usage Rate. Within any 90-day period, the maximum acceptable Backup Target Usage Rate is established by target system as follows:

MQM-107: 5% BQM/MQM-34: 5%

RWT: 5% MQM-178: 5%

BATS: N/A BMT: 5%

MQM-167: 5% MQM-187: 5%

QUH-101: 5%

e. Flight Report Accuracy. Periodic inspections, including random sampling, may be scheduled by the COR. The overall minimum acceptable ATOMS flight reporting accuracy rate is 98%.

f. Target Flight Readiness. The acceptable level of readiness is established by returning all recovered targets to a flight ready condition within 10 days of mission completion. Periodic inspections, including random sampling, may be scheduled by the COR.

2. **MATERIAL BREACH.**

Any of the following shall constitute a material breach of the contract. This list is non-exclusive.

- a. The Satisfactory Flight Rate drops below that established in paragraph 1a, above.
- b. Three consecutive flights of any target system are rated "Unsatisfactory".
- c. The Operational Loss Rate of any given target system exceeds that established in paragraph 1b, above.
- d. Two consecutive contractor-induced Operational Losses of any given target system occur.
- e. Government Furnished Property (GFP) accountability accuracy falls below the acceptable level and an unsatisfactory rating is assigned for two consecutive inspections.

This provision does not limit the Government's right to terminate the contract for default for reasons other than those stated above.

3. **DUTY HOURS.** The contractor shall exercise flexibility in scheduling personnel duty hours and duty days to meet all flight requirements.

a. Normal duty hours are eight hours per day, between 0730 hours and 1630 hours. Normal duty days are Monday through Friday, excluding Saturday, Sunday, and Holidays except when required to accommodate range schedules. Normal duty days will be substituted based on specific OCONUS deployment locations.

b. Target flights may be scheduled for launch at any hour of the day and any day of the week.

c. The contractor shall notify the COR upon discovery of any condition which will result in projected overtime. The contractor shall not expend overtime hours without COR approval. Approved overtime shall be reimbursed via equitable adjustment to the contract.

d. OCONUS or other salary differentials shall be paid in accordance with the policies and regulations applicable to US Army employees. Approved differentials shall be reimbursed via equitable adjustment to the contract.

4. **HOLIDAYS.**

a. The holidays applicable to this contract and the days of observance are set forth below:

<u>HOLIDAYS</u>	<u>OBSERVANCE</u>
New Year's Day	1 Jan
Martin Luther King's Birthday	Third Monday in Jan
President's Day	Third Monday in Feb
Memorial Day	Last Monday in May
Independence Day	4 Jul
Labor Day	First Monday in Sep
Columbus Day	Second Monday in Oct
Veteran's Day	11 Nov
Thanksgiving Day	Fourth Thursday in Nov
Christmas Day	25 Dec

b. In the event any of the above holidays occur on a Saturday or Sunday, then such holiday shall be observed by the contractor IAW the practice as observed by the assigned Government employees at the ranges.

5. **MISSION CALENDAR.**

a. The Government will make every effort to identify and schedule mission support requirements as far in advance as possible. Normally, mission calendar updates will be provided to the contractor 10 calendar days prior to scheduled events.

b. On occasion, mission support requirements will occur with less than 10 calendar days prior notification. The contractor shall meet these requirements.

Appendix C

Systems Flight / Readiness Status Information Program (Ref. PWS Para. 3.2.30, DI-MGMT-80555)

The Program shall address the following:

- a. Summary (submittal and status) of QDR and Reports of Discrepancy (ROD).
- b. Quality control information on frequency and type of problems associated with items of system equipment; unresolved problems along with recommendation for remedial action; items of special interest based on quality audits, safety surveys, investigations, and DCMA visits.
- c. Target pool and TCS operability information (identify serial number, physical location, current configuration, and operational condition status).
- d. Identity of targets that are deadlined for repair/spare parts, timeframe that the end item has been deadlined, listing of missing items, identification of resupply action taken by Purchase Request Number or Purchase Order Number, and quantities of items due in.
- e. Corrective repair actions taken for TCSs and associated test equipment.
- f. Identify equipment failure circumstances (i.e. bench check, pre-flight, launch, flight), failure reason, and cause analysis.
- g. List operations and maintenance related improvement recommendations.
- h. Identify targets flown, date of flights, and date targets were returned to flight ready status.
- i. Unusual events/activities with focus on flight support efforts, safety, security, weather.
- j. Problems that affect the overall aerial target flight services program with recommended solutions.
- k. Identify official visitors to the Government furnished contractor facilities indicating duration of visit and purpose.
- l. List significant decisions requested by the contractor that are pending Government response.
- m. Outstanding Government requests placed on the contractor with status and expected reply date.
- n. Identification of stock shortage items with projected zero balance dates.
- o. Completion of a post flight analysis for all target flights that end prematurely.

p. Identity and description of outstanding Equipment Improvement Recommendations (EIRs) and Field Fixes.

q. Summary of current subcontracts to include, as a minimum for each: the originator of the request within the ATFS contractor's organization, the date the request was originated, the date the request was submitted to the TMO, the date the request was approved, Local Purchase request number, the target system/end application, ATFS contractor's Purchase Order (PO) number (or other standardized reference number), item/service purchased, quantity, unit price, PO line item total, PO grand total, ATFS contractor buyer's name, vendor's name and location, PO issue date, requested delivery date, actual delivery date, any consideration requested, and any relevant remarks/status information. In addition, for all current subcontracts experiencing delinquent deliveries, a statement of impact to the ATFS program shall be included. Current subcontracts shall be considered all those for which there are pending deliveries and those for which delivery has occurred within the previous 60 days. Subcontract summary shall be in a COR approved format.

r. Identification of employees requiring access to Government automated systems by name and system.

s. Identification of items bearing IUID marks that have experienced lifecycle events (receipts, losses/expenditures, or transfers) which require DOD IUID registry adjustment.

t. Indicate number of employees, name(s) of new employees (if any) that were placed on contract in the last month.

Appendix D

Government Assigned Buildings / Facilities (Ref. PWS Para. 3.3.4)

The following buildings/facilities are assigned to the contractor for purposes of conducting Aerial Targets Flight Services:

White Sands Missile Range, LC-32:

<u>BUILDING NUMBER</u>	<u>CURRENT USE</u>
20740	Weight/Balance
20741	Butane Tank
20743	Explosive Bunker
20746	RATO Storage
20748	Butane Tank
20752	Explosive Storage
20753	Compressor Pad
20754	Control Bunker
20755	Launch Pads L542 and L543
20756	Launch Pads L544 and L545
20757	Compressor Pad
20758	Control Bunker
20759	Launch Pads L546 and L547
20760	Launch Pads L548 and L549
20765	Engine Run-up Pad
20767	Fuel Storage JP8
20769	Concrete Pad
21731	Maintenance
21754	Butane Tank
21758	Butane Tank
21759	Office/Maintenance Shop/LNO
20744	RATO Igniter Storage Bunker
20747	Explosive Storage Bunker
WS-030	Parts Storage
WS-031	Parts Storage
WS-674	Oil Storage

White Sands Missile Range, LC-38:

24069	Engine Pad
24072	Office/Maintenance

White Sands Missile Range, Rhodes Canyon:

30890	Maintenance
30737	Maintenance
31350	Explosive Storage

White Sands Missile Range, Oscura Range Camp:

31773	MQM-107 Target Operations
31775	MQM-107 Target Operations
31777	MQM-107 Target Operations

White Sands Missile Range, Condron Field:

21311	RWT Operations
21310	Portable Storage Space
21317	Maintenance Building
21319	Storage
21327	Condron Field Hangar

Fort Bliss, North McGregor:

8643	Storage
8659	JP-8 Storage
8662	Storage
8663	Office/Avionics Shop
8664	Maintenance Shop
8665	Engine Building
8666	Engine Run-up Pad
8686	Parachute Shop/Office
8688	Oil Storage
8690	Gasoline Station
8691	Motor Pool/Maintenance
8695	Offices (excludes TFSO space)
8697	RATO/Explosive Bunker
8767	RATO Bunker

Fort Bliss, North McGregor:

8772	Flight Ready Storage
8773	Storage/Weight and Balance
8776	Block House - Launch Bunker
8777	Launch Pad Left
8778	Launch Pad Right
8780	Target Tracking Control Site
8785	Launch Bunker
P0862	Engine Run Up Pad

Appendix E

Operations Phase-In Schedule (Ref. PWS Para 2.5.6.3,)

	<u>GFE/GFM INVENTORY COMPLETE</u>	<u>OPERATIONAL READY DATE</u>	<u>FLIGHT SERVICE START DATE</u>
MQM-107	28 Days ACA*	29 Days ACA	29 Days ACA
MQM-178	28 Days ACA	29 Days ACA	29 Days ACA
BQM-34	28 Days ACA	29 Days ACA	29 Days ACA
BATS	28 Days ACA	29 Days ACA	29 Days ACA
MSAT	28 Days ACA	29 Days ACA	29 Days ACA
RWT	28 Days ACA	Option Determined	Option Determined
BMT	28 Days ACA	Option Determined	Option Determined
BQM-167	28 Days ACA	Option Determined	Option Determined

*ACA (After Contract Award)

Appendix F

Definitions

The following acronyms are used throughout the PWS and attachments:

The following definitions apply to the PWS and all attachments:

1. **Ancillary Devices.** Devices, such as Global Positioning System (GPS) receivers, telemetry equipment, recorders, video cameras, tow targets, flare and plume pods, low altitude kits, electronic countermeasures, radio frequency devices, scoring devices, visual modifications and infrared sources, which, when installed on or added to an aerial target, augment or enhance the target's performance, signature, control ability, or desired function. Examples of existing tow targets are the PATRIOT Omni-directional Training Aerial Tow Target (POTA-TOW), TRX-4A Radar Tow Targets, Cruise Missile Tow Targets (CMTT), Japan Chu-SAM Advanced Annual Service Practice (ASP) Target (JCHAAT) and TIX Tow Targets.
2. **ATFS PRO.** Procedures developed and approved by the US Government to address maintenance practices. The ATFS PROs are to be obtained from the SOAR database.
3. **Cancelled Flight.** A scheduled target flight shall be classified as a "cancelled flight" under the following conditions:
 4. When individual flights are cancelled by the COR within 3 duty hours of the scheduled launch time.
 5. When consecutive/multiple flights are cancelled by the COR on the mission within 3 duty hours of the scheduled launch time, each flight in the series shall be designated as a cancelled flight.
 6. When any flight is delayed by the COR for more than three (3) hours after the scheduled launch time.
7. **Contracting Officer's Representative (COR).** The Government official, designated in writing by the Procuring Contracting Officer (PCO), responsible for the overall management and technical direction of aerial target flight operations and maintenance services performed under this contract. Multiple Technical Monitors may also be assigned.
8. **Field Fix.** Any modification, change, or alteration applied to GFE/GFM to satisfy an immediate mission requirement that does not result in a permanent change in the configuration of the item and can later be removed.
9. **Flight Expendables.** Flight expendables are defined as any item that is routinely expended during each launch, flight or recovery (e.g. rocket motor, squibs, nose cones).

10. **Flight Profile.** The flight profile describes specific requirements for a given mission including courses, altitudes, speeds, maneuvers, and ancillary device function points.
11. **Flight Ready Status.** Rotary wing targets, fixed-wing drones, and ballistic targets in serviceable operational condition, containing no unserviceable components, dead lined components, or unsafe conditions, and not having any pending maintenance actions.
12. **Functional Check Flight (FCF)/Maintenance Test Flight (MTF).** A target flight, scheduled by the contract's COR, intended to verify the operability of a new target or a target that has undergone extensive rebuild, repair, or modification.
13. **Government Flight Representative (GFR).** The Officer on current flight status (including nonoperational flying status) to whom the Defense Contract Management Agency (DCMA) has delegated, in writing, responsibility for approval of contractor flights, procedures, and flight crew members in accordance with (IAW) AR 95-20 and other Government approved documentation.
14. **Ground Abort.** A target that, once the countdown to launch has begun, fails to achieve launch during the specified launch window.
15. **Ground Support Equipment (GSE).** GSE includes all system common and peculiar items of equipment necessary to prepare, transport, launch, control, retrieve, and refurbish the target systems listed in this contract.
16. **Launch Window.** The period of time during which a target must be launched in order to meet the criteria for a satisfactory flight.
 - a. For MQM-107, BQM-34, MSAT, and BTS, the launch window for the primary target is 5 minutes, beginning at the scheduled launch time.
 - b. For the secondary (backup) MQM-107, BQM-34, MSAT, or BTS, the launch window is 15 minutes, beginning at the scheduled launch time.
 - c. For dual and/or multiple target flight scenarios (all primary targets), individual system preparation, checkout, countdown, and actual launch will be coordinated with range control and sequenced to assure that target launch and resulting flight profiles meet the mission requirement.
 - d. For rotary wing targets (RWT) the launch window for the primary target is 30 minutes, beginning at the scheduled launch time.
 - e. For the secondary (backup) RWT, the launch window is 60 minutes, beginning at the scheduled launch time.

- f. Target launches shall occur as directed by the Government designated range control official and shall be sequenced for simultaneous launch with other targets systems and with like targets.
- 17. **Mission.** The requirement for a target flight(s)/launch(es), which may be comprised of single, dual, or triple target flight(s)/launch(es).
- 18. **Mission Period.** The range green time during which a target mission occurs. Simultaneous missions are those instances when range green times for multiple missions overlap one another.
- 19. **Mission Configuration.** The basic target (new or used), any modification thereto, and any installed ancillary devices, as prepared to meet a specific operational requirement.
- 20. **Mission Calendar.** The instrument that establishes a requirement for the contractor to perform a target launch/flight or flights and identifies time of launch, launch site, control site, recovery area, and customer. Other support services, that are not associated with target launch/flight or flights, will also be identified on the mission calendar. Only the PCO, COR can approve a mission calendar.
- 21. **Mobile Target Operations.** Mobile target operations refers to target operations at other than fixed (permanent) maintenance, launch, and control facilities, but within the geographical confines of Fort Bliss, TX and WSMR, NM.
- 22. **Not Rated Flight.** A flight performance rating, assigned by the COR, for nonstandard/unproven target configurations or when the essentiality of the target mission outweighs the risk to target materiel.
- 23. **Operational Loss.** During a flight, a target destroyed or damaged beyond repair by other than weapons fire or other planned, potentially destructive event.
- 24. **Posts, Camps and Stations (PCS) Operations.** Target operations that occur at locations outside of the geographical confines of Fort Bliss, TX and WSMR, NM. Deployment periods will vary in duration.
- 25. **Presentation.** The execution of a course segment of the prescribed flight profile.
- 26. **Quality Assurance Representative (QAR).** DCMA assigned individual(s) who monitor and coordinate the quality assurance requirements and functions performed under this contract.
- 27. **Ready Storage.** GFE/GFM stored in an assembled state and protected in such a manner that the item and its associated subassemblies will incur no damage or degradation of performance as a result of inactivation between periods of use.

28. **Safety Officer.** The Officer to whom the Targets Management Office (TMO) has delegated, in writing, responsibility for review of both ground and aviation accidents; review of incident reports; recommendations of corrective actions; and organization of accident investigation boards.
29. **Satisfactory Flight.** A target flight shall be determined to be satisfactory when the following criteria are met:
- a. Target launch is accomplished within the launch window.
 - b. The target performs the scheduled flight profile or in-flight profile changes as directed, within target system capability listed in Government approved documentation.
 - c. The ancillary devices, for which the contractor has primary operational responsibility, function to target system specifications listed in Government approved documentation.
 - d. The target is recovered in the designated recovery area.
 - e. A target which fails to meet one or more of the above criteria for a satisfactory flight will also be rated satisfactory when:
 - f. The COR has notified the contractor in advance that the flight will not be subject to one or more of the above criteria and all nonexcluded criteria were met.
 - g. The COR or Range Control commands flight termination while the target is performing within the prescribed flight profile.
 - h. Post-flight evidence establishes that weapons fire caused the destruction or in-flight malfunction of the target.
 - i. The contractor can establish that destruction or in-flight malfunction of the target was caused by events over which the contractor had no control.
30. **Target Flight.** The term "target flight" means all events that occur between the initiation of countdown for takeoff/launch and actual landing/recovery for a scheduled mission.
31. **Target Kill.** A target drone or ballistic target which, during flight, is destroyed or damaged beyond repair by weapons fire or destruction commanded by the COR.
32. **Target Control System (TCS).** Target control systems used for control of target systems under this contract.
33. **The Government.** If not specifically defined in the contract documentation, the Government refers to the PCO.

34. **Unsatisfactory Flight.** A target flight that does not meet the criteria for a satisfactory flight as defined herein.

APPENDIX G

AERIAL TARGET ANNUAL FLIGHT REQUIREMENTS (Ref. PWS Para. 3.2.24)

1. The following contains historical data used to estimate the 100 (+/- 5) Aerial Target flights from fixed and mobile stations within the geographical confines of Fort Bliss, TX, White Sands Missile Range, NM, and ranges thereof, and CONUS/OCONUS PCS requirements. Target flights/launches may be for single, or multiple target profiles/scenarios.

Target History FY08 to FY19

as of 8/24/2020

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Total FY08 - FY19	Percentage of All Flights
BQM-34	1	7	1	0	0	0	1	6	2	8	5	0	31	3%
BQM-167	0	0	0	0	0	0	0	0	0	0	2	4	6	1%
MQM-185	0	0	0	0	0	0	0	0	0	0	0	1	1	0%
MQM-107	71	93	74	49	75	69	101	74	100	63	27	32	828	73%
QUH-1M	12	11	14	0	0	0	0	0	0	0	0	0	37	3%
MQM-175A/B	20	5	4	3	4	1	1	1	1	10	0	0	50	4%
QUH-101	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
MQM-178	0	0	0	0	0	0	2	17	8	31	34	47	139	12%
BATS	0	0	0	0	0	0	0	0	12	0	28	0	40	4%
	104	116	93	52	79	70	105	98	123	112	96	84	1132	100%

2. **FLIGHT ACCOUNTING PROCEDURES.** Flight requirements shall be satisfied and decrement against total remaining flights to be flown in a given year in accordance with the following criteria:

- a. Satisfactory Flights. Flights which are rated "Satisfactory" shall decrement.
- b. Unsatisfactory Flights. Flights which are rated "Unsatisfactory" shall NOT decrement.
- c. Cancelled Flights. Flights which are classified as "Cancelled" shall decrement.
- d. Ground Aborts. Scheduled flights which are classified as "Ground Abort" and when the abort is directed by the COR/TM shall decrement.
- e. Not Rated Flights. Flights which are assigned a flight rating of "Not Rated" shall decrement.

3. In the event any one or more of the following categories require additional quantities, exchanges between categories will be based on a day for day exchange rate.

Cyber Regulation, Directives, Publications, and Cyber Websites Links:

Department of Defense Directives and Instructions:

- DoDD 5000.01, The Defense Acquisition System
- DoDI 5000.02, Operation of the Defense Acquisition System
- DoDD 5144.02 DoD Chief Information Officer
- DoD Manual 5200.1M, Acquisition System Protection Program
- DoD 5200.R, Personnel Security Program
- DoDI 8100.04, DoD Unified Capabilities (UC)
- DoDD 8115.01, Information Technology Portfolio Management
- DoDI 8115.02, Information Technology Portfolio Management Implementation
- DoDD 8140.01, Cyber Workforce Management
- DoDD 8500.01, Cybersecurity
- DoDI 8500.02, Information Assurance (IA) Implementation to include the product specification and evaluation requirements stated in paragraph E3.2.5 (Common Criteria) and the DoD Unified Capabilities (UC) Approved Product List (APL),
- DoDI 8510.01, Risk Management Framework (RMF) for DoD Information Technology
- DoD 8570.01-M, Information Assurance Workforce Improvement
- DoDI 8580.1, Information Assurance (IA) In the Defense Acquisition System

Other Government Documents, Drawings and Publications

- AR 25-1 – Information Management Army Knowledge Management and Information
- AR 25-2, Army Cybersecurity
- AR 525-13 Antiterrorism
- AR 380-5 – Department of the Army Information Security Program
- DA PAM 25-1-1 – Army Information Technology Implementation Instructions
- FIPS 140-2 – Federal Information Processing Standards Publication – Security Requirements for Cryptographic Modules
- FIPS 199 – Federal Information Processing Standards Publication – Standard for Security Categorization of Federal Information and Information Systems
- FIPS 200 – Federal Information Processing Standards Publication – Minimum Security Requirements for Federal Information and Information Systems
- Federal Information System Management Act (FISMA) security requirements
- OMB A-130 – Appendix II The Office of Management and Budget (OMB) Circular Managing Information as a Strategic Resource,
- Security Technical Implementation Guides (STIGS)
- CNSSI 1253 – Committee on National Security Systems Instructions Security Categorization and Control Selection for National Security Systems
- NIST SP 800-53 – National Institute of Standards and Technology (NIST) Special Publications (SP) 800-53 Security and Privacy Controls for Federal Information Systems and Organizations

Appendix H

- SP 800-53A - Guide for Assessing the Security Controls in Federal Information Systems and Organizations
- SP 800-37 – Guide for Applying the Risk Management Framework to Federal Information Systems: A Security Life Cycle Approach.
- SP800- 60 Vol 1 - Guide for Mapping Types of Information and Information Systems to Security Categories.
- SP 800-60 Vol 2 - Guide for Mapping Types of Information and Information Systems to Security Categories: Appendices
- SP 800-70 – National Checklist Program for IT Products Guidelines for Checklist Users and Developers.
- SP 800-34 – Contingency Planning Guide for Federal Information Systems.
- SP 800-137 –Information Security Continuous Monitoring (ISCM) for Federal Information Systems and Organizations

Appendix H

Website Links	
Annual DoD Cyber Awareness Training and Information Assurance Fundamentals Training	https://cs.signal.army.mil or https://jkodirect.jten.mil/Atlas2/page/login/Login.jsf
Army Networthiness Program (Certificate of Networthiness (CON))	https://www.atssc.army.mil/tadlp/implementation/config/networthiness.asp
NETCOM Assess Only	https://army.deps.mil/NETCOM/sites/RMF/SitePages/Home.aspx
Army Publishing Directorate (AR, PAMS etc.)	http://www.apd.army.mil/
Assured Compliance Assessment Solution (ACAS/Nessus website)	https://disa.deps.mil/ext/cop/mae/netops/acas/SitePages/requestPortal/Main.aspx
Computer Hardware Enterprise Software and Solutions (CHESS) <i>(Required by AR25-1)</i>	https://chess.army.mil/
DoD Directives and Instructions	http://www.dtic.mil/whs/directives/
Information Assurance Support Environment (STIGS, Training, Tools)	http://iase.disa.mil/Pages/index.aspx
Information Assurance Vulnerability Management (IAVA)	https://iavm.csd.disa.mil/
Nation Information Assurance Partnership (NIAP) Approved Product List	https://www.niap-ccevs.org/
National Institute of Standards and Technology (NIST) Special Publications and FIPS Publications	http://csrc.nist.gov/publications
Risk Management Framework (RMF) Knowledge Center: (NETCOM TTP's and Updates on RMF Requirements)	https://rmfks.osd.mil/rmfks