Industry Day

AFLCMC...Providing the Warfighter’s Edge

C-5 Maintenance and Aircrew Training System (MATS)

4 December 2019

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Disclaimer

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- The Government does not intend to award a contract on the basis of the information received at this event.
- This is for informational purposes only. The contents of any future FOPR takes precedence over anything provided during this briefing and responses to questions.
- Questions and answers will be provided via email from contracting.
- Costs incurred as a result of this meeting are considered bid and proposal costs and will not be reimbursed by the Government.

All information included in this briefing is subject to change
 Agenda

- C-5 MATS Overview
- MATS Operational Areas
- Acquisition Strategy
- Notional Acquisition Schedule
- Questions & Answers
MATS Overview

• Purpose: Operations, Maintenance, and Sustainment (OM&S) of the C-5 Maintenance and Aircrew Training Systems (MATS)
  – Contract Logistics Support (CLS)
  – Training System Support Center (TSSC)
  – Concurrency and core trainer unique modifications and upgrades
  – Studies and analysis efforts as requested by the Government
  – Contract transition activities including transfer of responsibility from current OM&S contract

• Customer: AMC
Training Systems Acquisition (TSA) III
Capability Assessment

Request for Information (RFI)

01 November 2019

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RFI released 1 Nov 2019
## C-5 Maintenance Training Devices

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- Fuel Quantity System Trainer
- Fuel System Trainer
- Brake & Main Landing Gear Trainer
- Nose Landing Gear & Steering System Trainer
- Oxygen Systems Trainer
- Cargo Door & Ramp System Trainer
- Flight Controls System Trainer

- Electrical Systems Trainer
- Hydraulic Power Systems Trainer
- Aircraft Maintenance Systems Trainer
- Air Conditioning & Pressurization Trainer
- Auxiliary Power Unit Trainer
- Engine Maintenance Training Device
- Aerial Refueling Receptacle Trainer

### Aerial Refueling Part Task Trainer

#### C-5 MATS Device Status Dashboard

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C-5 MTD Locations

Travis AFB, CA
1 -- C-5M WST
12 – MTDs
1 – ARPTT
TSSC (MTDs)

Scott AFB, IL
AMC A3T, A4M., A5A
14 – MTDs
1 - ARPTT

JBSA/Lackland
C-5M-WST (2)
CLT (1)
CDRT (1)
TSSC
1 – ARPTT
TSSC (ARPTT)

Westover, MA
1 -- C-5M WST

Dover AFB, DE
1 -- C-5M WST
14 – MTDs
1 - ARPTT

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C-5 MATS Operational Areas

• Program Management
  – Plans, metric reporting, Associate Contractor Agreements (ACAs), Working Groups (WGs)

• Contractor Logistics Support (CLS) of C-5 Maintenance Training Devices at 3 sites for listed devices:
  – Meet device availability of 98%
  – Device maintenance
  – FIAR Compliance/Inventory tracking
  – Facility management/Site operations

• Quality Assurance (QA)
  • Tracking, reporting, surveillance
C-5 MATS Operational Areas (cont)

- Training System Support Center (TSSC)
  - JBSA-Lackland AFB – Aerial Refueling Part Task Trainer (ARPTT)
  - Dover AFB or Travis AFB - Maintenance Training Devices
    - Configuration Management (CM)/ data management support
      - Concurrency with C-5M aircraft functional baseline
    - Training Devices Engineering Support
    - Maintenance of all hardware device product baseline drawings and other technical documentation
    - Maintenance of the master software baseline and master data library including Technical Manuals & Technical Data Packages
    - Distribution of updates to the sites
Specific Technical Tasks

- Engineering Change Proposal Modifications and Upgrades
  - Mod 1. CMC/Wxr/CNS/ATM/LAIRCM concurrency modification for AMSTs
  - Mod 2. Fuel Quantity Trainer refurbishment modification for both FQT’s
  - Mod 3. APU/O2 refurbishment to combine these two separate trainers into a single device for more realistic training

These efforts are pre-priced options
Acquisition Strategy

• Requires **SECRET** security clearance for personnel
• TSA III Small Business
• Services contract
  – SCA and CBAs may apply
• Firm Fixed-Price
  – Possible Cost Reimbursement CLINs for travel and materials
• Period of performance
  – 6 month transition period
  – Likely 8 month basic with 4 one-year option periods
• Source Selection Procedures
  – Highest Technically Rated Offer / Realistic and Reasonable Priced
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<tr>
<td>Draft FORP/PWS Posting</td>
<td>Mar 2020</td>
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Certification
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• Maintenance Training devices SIMCERT’D
  – Aircraft Maintenance Systems Trainer (AMST)
  – Cargo Doors & Ramps Systems Trainer
  – Brake & Main Landing Gear Trainer
  – Nose Landing Gear Trainer
  – Flight Controls Systems Trainer

  – Training devices Simulator Certifications performed by Detachment 6
Challenges

• Training device configuration management
  – Trainers aligned with fleet modifications
    • TCTO’s
• Maximizing Trainer utilization
Provides total maintenance, logistics, and modification support for C-5 maintenance training devices
Questions/Comments
Group Q&A
(collect papers at this time)
Flight Controls Systems Trainer (FCST)
Cargo Doors & Ramps Systems Trainer (CD&RST)
Trainers

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Brake & Main Landing Gear Trainer

Nose Landing Gear Trainer
Hydraulic Power Systems Trainer (HPST)
Aircraft Aerial Refueling Receptacle Trainer (AARRT)
Trainers

Fire Detector Systems Trainer

Auxiliary Power Trainer
Trainers

Fuel Systems Trainer

Fuel Quantity Trainer
Air Conditioning & Pressurization Systems Trainer (AC&PST)