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Industry Day



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C-5 Maintenance and Aircrew Training System (MATS)

4 December 2019

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Disclaimer



- **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



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Agenda



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- **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



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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

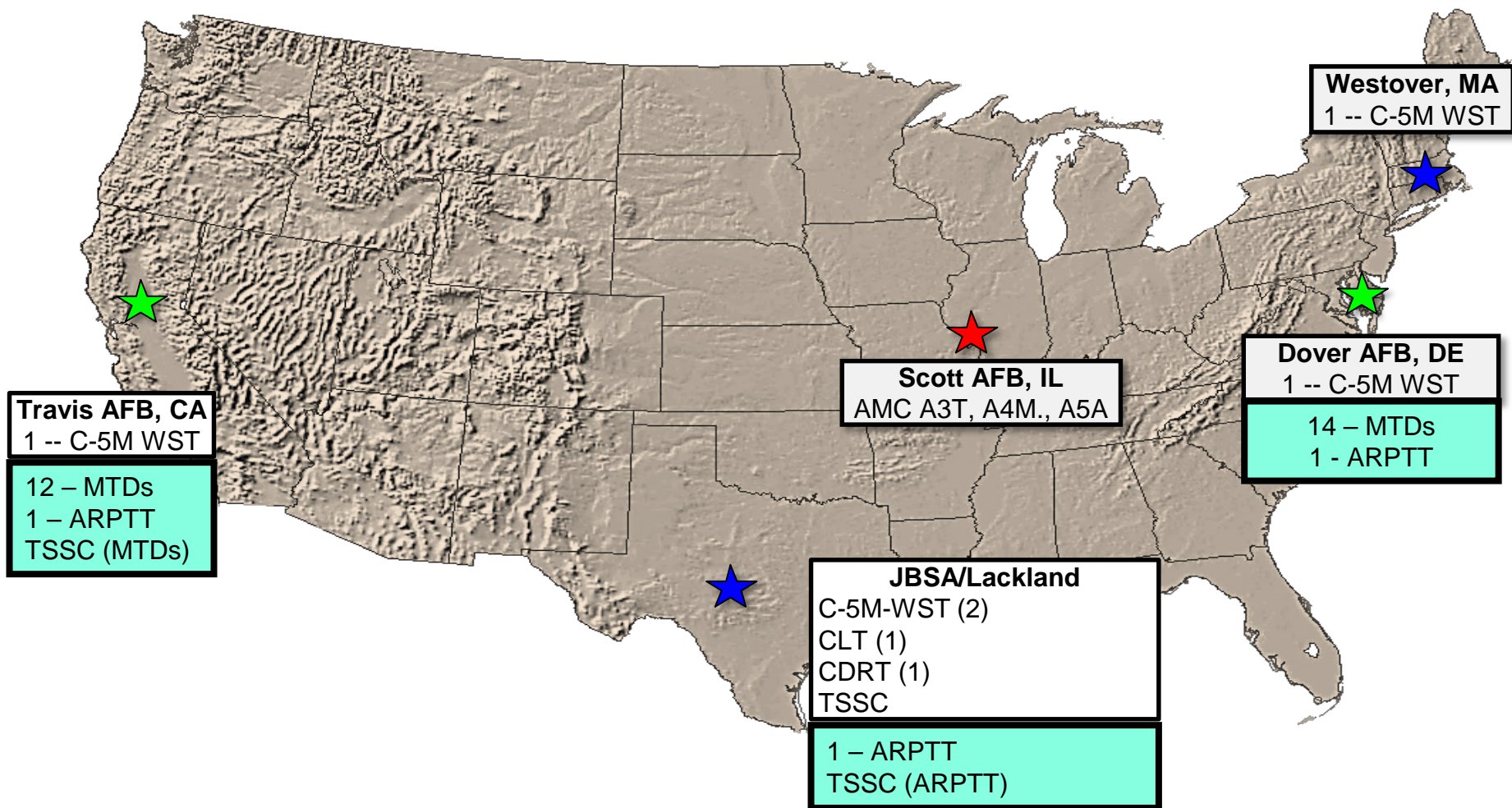
	Air Cond and Pressurization Trainer	Aircraft Aerial Refueling Receptacle Trainer	APS 3400 APU Trainer	Aircraft Maintenance Systems Trainer	Brake and Main Landing Gear	Cargo Door and Ramp Trainer	Electrical Trainer	Fuel Quantity Trainer	Fuel System Trainer	Hydraulic Power Systems Trainer	NLG and Steering Trainer	Oxygen Trainer	Air Refueling Part Task Trainer	Engine Maintenance Training Device	Flight Control Systems Trainer
Travis	Fully Mission Capable	Fully Mission Capable	Not Present at Location	Fully Mission Capable	Fully Mission Capable	Fully Mission Capable	Fully Mission Capable	Fully Mission Capable	Fully Mission Capable	Fully Mission Capable	Fully Mission Capable	Fully Mission Capable	Fully Mission Capable	Not Present at Location	Fully Mission Capable
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Lackland	Not Present at Location	Not Present at Location	Not Present at Location	Not Present at Location	Not Present at Location	Not Present at Location	Not Present at Location	Not Present at Location	Not Present at Location	Not Present at Location	Not Present at Location	Not Present at Location	Fully Mission Capable	Not Present at Location	Not Present at Location



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C-5 MTD Locations

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C-5 MATS Operational Areas



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- 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)



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- 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



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Acquisition Strategy

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- 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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Notional Acquisition Schedule



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Key Activities

Date

Draft FORP/PWS Posting

Mar 2020

Industry Day

Apr 2020

Final FORP released

May 2020

Proposals Due

Jul 2020

Contract Award

1 Nov 2020



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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



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Challenges

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- Training device configuration management
 - Trainers aligned with fleet modifications
 - TCTO's
- Maximizing Trainer utilization



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Wrap-up

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**Provides total maintenance, logistics,
and modification support for C-5
maintenance training devices**



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Questions/Comments



Group Q&A

(collect papers at this time)



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Flight Controls Systems Trainer (FCST)

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Cargo Doors & Ramps Systems Trainer (CD&RST)

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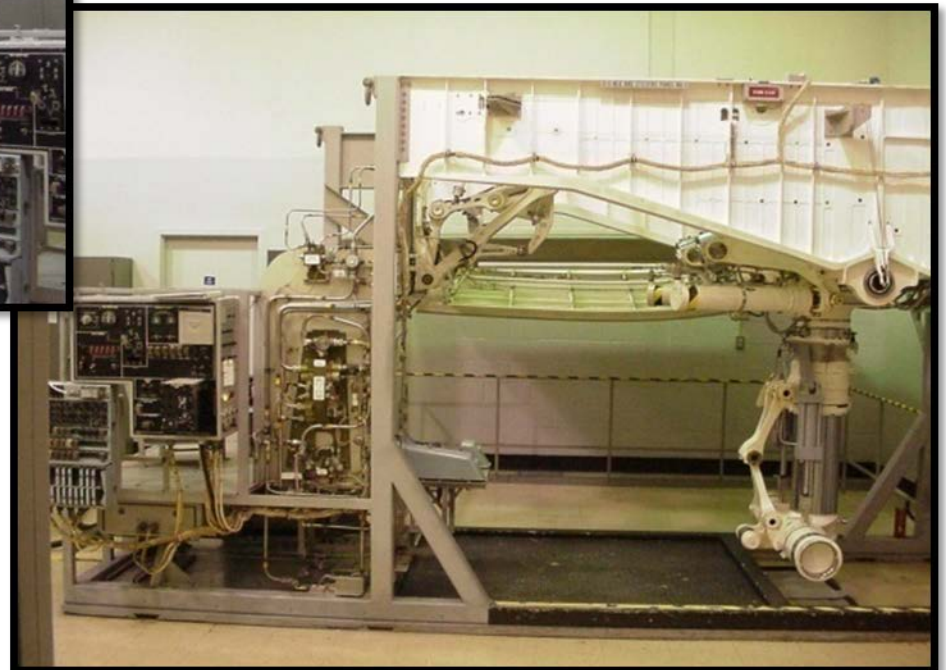
Trainers

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Nose Landing Gear Trainer

Brake & Main Landing Gear Trainer

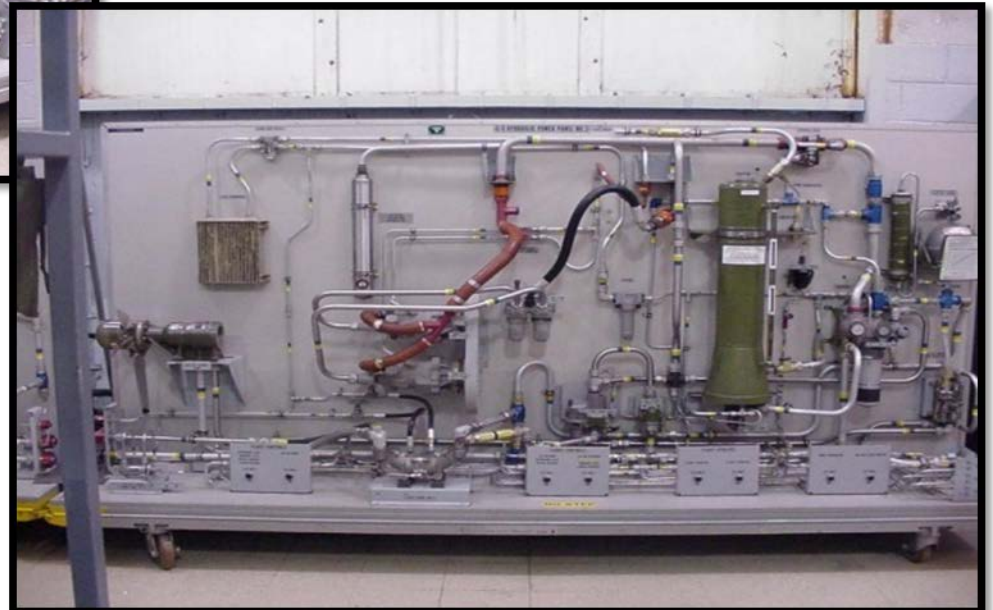




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Hydraulic Power Systems Trainer (HPST)

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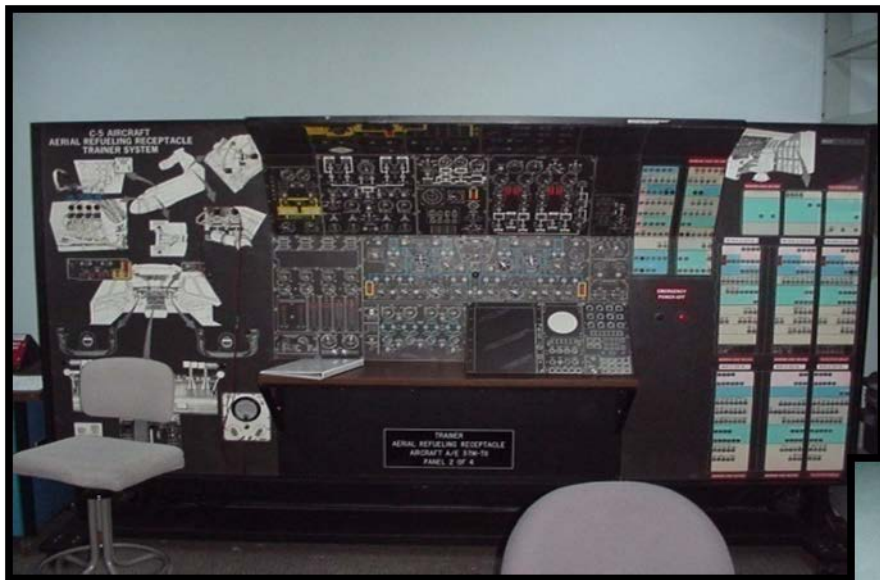




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Aircraft Aerial Refueling Receptacle Trainer (AARRT)

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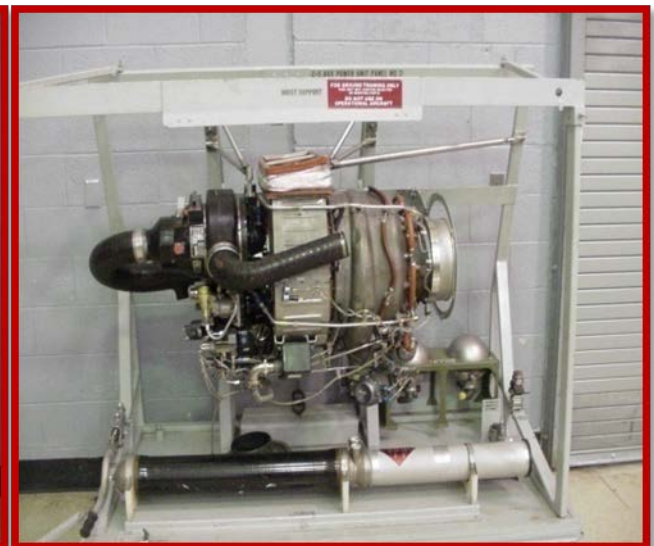
Trainers

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Fire Detector Systems Trainer

Auxiliary Power
Trainer





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Trainers

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Fuel Systems Trainer

Fuel Quantity Trainer





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Air Conditioning & Pressurization Systems Trainer (AC&PST)

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