

Industry Day



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C-5 Maintenance and Aircrew Training System (MATS)

4 December 2019

PM: Ms. Lori Miller

PCO: Ms. Wanda Smaltz

AFLCMC/WNS, Simulators Division



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 <u>Sustainment</u> (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



Request For Information



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Training Systems Acquisition (TSA) III Capability Assessment

Request for Information (RFI)

01 November 2019

Prepared By:

Air Force Program Executive Office Aller Combat Support (AFPEO/ACS)
Simulators Division
2300 D Street, Building 32
Wright-Patterson AFB, Ohio 45433

2 3000 #TBD)	y in accordance with Federal Acquisition nation or Solicitation for Planning Purposes 16 task order under the TSA III milliple award contract for C-3 Maintenance & Alexew ity of companies, within the TSA III Small competently and competitively respond to the 1 (PWS) requirements to provide: seering monuments Upgrades, Training Enhancements, ractor Logistics Support (CLS), Training System seen determined for this program. Capability estemining whether these requirements will be an axide task order under TSA III. 1 Systems (Solicitation #TBD) This consists of the following devices located apability to support, maintain, and modify listed crew Training Systems is to provide Closh fidelity training possible to prepare them to Current Location Dover ATB	Current Location Dover AFB Travia AFB Travia AFB Dover AFB Travia AFB Dover AFB Dover AFB AFB Dover AFB Dover AFB Travia AFB Tra	perate and d to operate if Travis AFB et chave an will require s of this lish a process ment, logistics, raining is ctor will be thons'upprades e training s to ensure the lone and if or AMST's 's into a single Quarter of contract period erriment d TSSC work, orts (e.g., new asse. The clifty brmation utractor will personnel.	termine the e results of this of these efforts will a these efforts will a the efforts will a the efforts will a the efforts what a war the Government among the small iconsidered. A key that two or more least 50% of the array our least 50% of the array will comply be an as a percent of pany will comply be an as a percent of pany will comply be a proposal for this taidered at the small many of the effort of the effort of the part in a proposal for this taidered at the proposal for this taidered at the effort of the effort of the part in a proposal for the many of the effort of the part in questions for the MATS Contracting upablity information capable of some,	de a response that explains the considered by the Government to bly with authora, co(1) of FAR of the cost of contract differ employees of the counterment of FAR 52.19. Federal Regulations (CFR) unfacturer or producer of ECP unfacturer, as that samebler, or a rr ECP Modifications and excouply with 13 CFR of the exceptions under 14 CFR currency and core trainer unique ing Change Proposal effort of this scope. What steps Wanda Smalte. C-5 MATS
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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

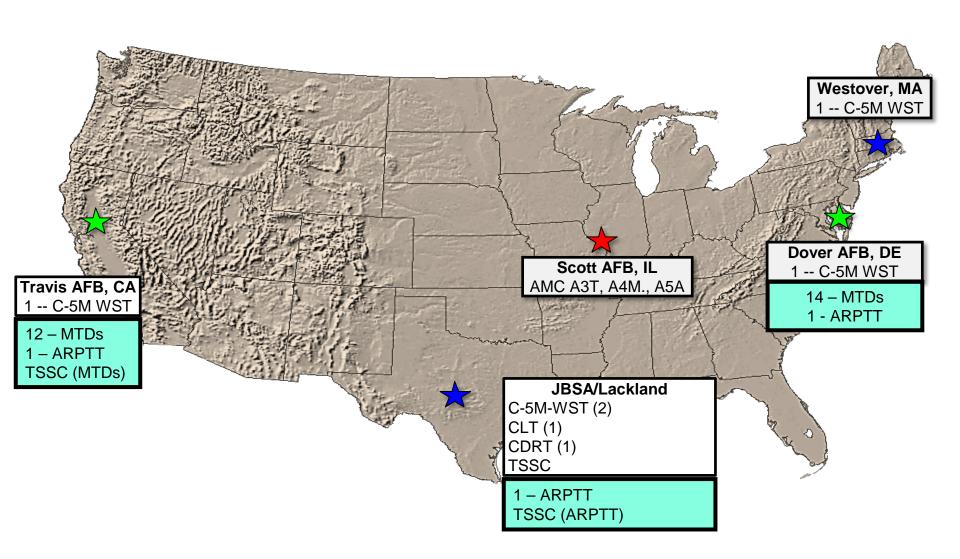
C-5 MATS Device Status Dashboard

	Air Cond and Pressurizat ion Trainer	Receptacal	APS 3400 APU Trainer	Aircraft Maintenan ce 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		Engine Maintenan ce Training Device	Flight Control Systems Trainer
	Fully	Fully	Not	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Not	Fully
Travis	Mission	Mission	Present at	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Present at	Mission
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	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully
Dover	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Mission	Mission
	Capable	Capable	Capable	Capable	Capable	Capable	Capable	Capable	Capable	Capable	Capable	Capable	Capable	Capable	Capable
	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Fully	Not	Not
Lackland	Present at	Present at	Present at	Present at	Present at	Present at	Present at	Present at	Present at	Present at	Present at	Present at	Mission	Present at	Present at
	Location	Location	Location	Location	Location	Location	Location	Location	Location	Location	Location	Location	Capable	Location	Location



C-5 MTD Locations







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



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- 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 <u>SECRET</u> 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



Notional Acquisition Schedule



Key Activities	<u>Date</u>
Draft FORP/PWS Posting	Mar 2020
Industry Day	Apr 2020
Final FORP released	May 2020
Proposals Due	Jul 2020
Contract Award	1 Nov 2020



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







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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







Cargo Doors & Ramps Systems Trainer (CD&RST) AFLEMC...Frovid & the Warfighter's Edge







Trainers



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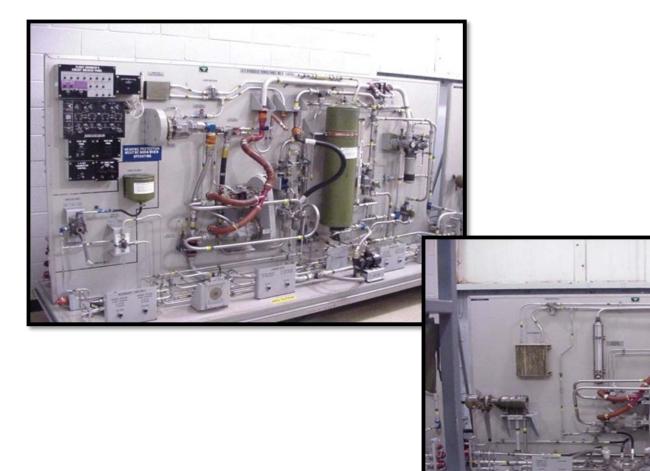
Brake & Main Landing Gear Trainer

Nose Landing Gear Trainer



Hydraulic Power Systems Trainer







Aircraft Aerial Refueling Receptacle Trainer (AARRT) AFLEME...Providing the Warfighter's Edge







Trainers

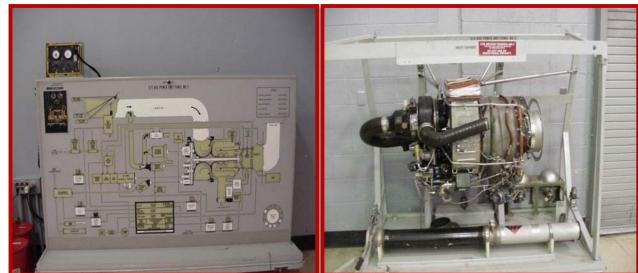


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Fire Detector Systems Trainer

Auxiliary Power Trainer

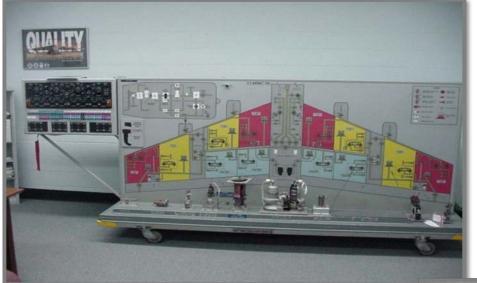




Trainers



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Fuel Systems Trainer

Fuel Quantity Trainer





Air Conditioning & Pressurization Systems Trainer (AC&PST)







