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ORDNANCE SYSTEMS

- Metal Working and Machining Shop Set (MWMSS)
- Armament Repair Shop Set (ARSS)
- Hydraulic System Test and Repair Unit (HSTRU)
- Fire Suppression Refill System (FSRS)
- Load Bank System (LBS)
- Machinist's Measuring Tool Set (MMTS)



Metal Working and Machining Shop Set (MWMSS)



RMY STRONG

ACAT III – P&D

PEO CS&CSS/PM FP/PdM SKOT

Program Description

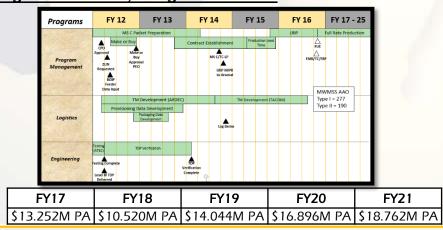
The Metal Working and Machining Shop Set (MWMSS) is a concept that assembles and packages tool load configurations based on the 91E (Allied Trades) MOS. MWMSS replaces multiple LINs which are outdated, unsupported and are themselves part of the non-modernized equipment that "hinder current operations".

This system comes in two types, TYPE I and TYPE II. TYPE I will contain a Computer Numeric Controlled (CNC) Lathe, Mill Drill, Multi-Process Welding, Thermal Cutting equipment, Air-Arc Gouging, air compressor, Mobile Electric Power (MEP) generator for shop power, Environmental Control Unit (ECU), and assortments of hand/air tools.

TYPE II augments Type I and will contain a CNC Milling Machine, Plasma table, ECU, and an assortment of hand/air tools.

AAO: Type 1 – 227, Type 2 - 190 Ouantity Fielded: Type 1 – 0, Type 2 - 0 APUC: Type 1 – \$374K, Type 2 - \$284K Ouantity on Contract: Type 1 – 25, Type 2 -23

Program Schedule, Budget and Status



Recent Milestones or Events Since Last PSR

- MSC Jun 2014
- Log Demo completed Aug 2014

Near term Milestones or Events in the Next 90 days

- Full Material Release (FMR) August 16
- First Unit Equipped (FUE) August 16

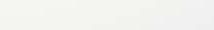


Program Issues/Concerns

- Schedule delays due to difficulties completing Technical Manuals.
- MWMSS is built at the Joint Manufacturing Technology Center Rock Island II
- Manufacturing processes are being refined and TDP is being updated using the ECP process
- Labor rates unchanged for FY17 build

Cost		
Schedule	T&E	
Performance	Interdependencies	

Color indicates current condition, Direction indicates future assessment





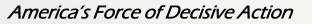
Armament Repair Shop Set (ARSS)



RMY STRONG

ACAT III - P&D PEO CS&CSS/PM FP/PdM SKOT **Program Description Recent Milestones or Events** The Armament Repair Shop Set (ARSS) will update the armament tools, Jul 2014: Milestone C/Type Classification-Standard/Full Rate sets and kits, take advantage of technology advancements, improve Production accountability and transportability and incorporate tool warranties. The Jul 2014: Full Material Release current armament tool sets date back more than 25 years and are Mar 2015: First Unit Equipped antiguated, bulky and difficult to maintain, inventory and transport. The Shelter will contain a Mobile Electric Power (MEP) generator for shop power, an assortment of hand as well as air tools and an Environmental Control Unit (ECU). Milestones or Events in the Next 90 Days Production and Deployment The ARSS will consolidate these five LINs: 1. T24523 **Artillery Shop Set** 2. T31784 **Fire Control System Repair** Small Arms Shop Set 3. W51499 4. T16597 Small Arms Shop Set AAO: 995 APUC: \$420K Quantity Fielded: 16 Quantity on Contract: 58 (TYAD) Program Schedule, Budget and Status Program Issues/Concerns **FY16** Integrated Wall separating from the ceiling. Tobyhanna team onsite 10 20 30 40 10 20 40 30 40 10 20 from 13 to 17 June to evaluate and repair. Full Rate Production BOIP ARSS PLS/LHS prototype effort starts in FY17MWMSS is built at the PROGRAM ANAGEMEN Joint Manufacturing Technology Center Rock Island II Manufacturing processes are being refined and TDP is being updated using the ECP process Labor rates unchanged for FY17 build LOGISTICS Cost Congressional Schedule T&E INCINEEDING Performance Interdependencies **FY17 FY18 FY19 FY20 FY21**

Color indicates current condition, Direction indicates future assessment



\$16.6M PA

\$18.6M PA

\$19.8M PA

\$15.108M PA | \$11.517M PA |



Hydraulic System Test and Repair Unit (HSTRU)



MY STRONG

ACAT III - P&D

Recent Milestones or Events Since Last PSR Program Description Aug 2014 - AAO increase from 433 to 691 The HSTRU is a robust hydraulic line and hose repair system Sep 2015 – approved APO of 627 capable of supporting 3 trained ordnance/engineers. HSTRU is HMMWV towable and air / helicopter transportable. It is built on Near term Milestones or Events in the Next 90 days the M1102 heavy Trailer. New BOIP being updated to decrease AAO from 691 to 57 Maintenance Capabilities Delivered • Crimp style and field attachable hydraulic hose assembly fabrication Society of Automotive Engineers (SAE) and Joint Industrial Council (JIC) metal tube flaring and fabrication Metal tube bending Pneumatic brake line fabrication On-system hydraulic test circuit AAO: 691 APO: 627 APUC: \$133K **Quantity Fielded : 438** Quantity on Contract: 438 Program Schedule, Budget and Status **Program Issues/Concerns** Working Bridge contract to support 81 HSTRUs in FY17 to 40 10 20 10 20 30 **Full Rate Production** meet new AAO and OCO requirements NAGEME Current FY17 funding available is for 43 OPA HSTRUs and 12 Δ \wedge OCO HSTRUS Funding shortfall for 24 HSTRUs Possible additional 25 for multirole BDs making the bridge for 81 go to 106 LOGISTICS OEM is MANDUS Group Rock Island II

Cost	Congressional	
Schedule	T&E	
Performance	Interdependencies	

Color indicates current condition, Direction indicates future assessment

PEO CS&CSS/PM FP/PdM SKOT



FY18

\$1.483M PA

FY19

\$2.376M PA

FY20

\$6.003M PA

FY21

\$4.461M PA

FY17

\$3.084M PA



ACAT III

Fire Suppression Refill System (FSRS)



PEO CS&CSS/PM FP/PdM SKOT

Recent Milestones or Events Program Description The FSRS is a self-contained, integrated unit equipped for safe Mar 2015: Testing Complete performance of refilling fire suppression bottles and systems. It consists of a dismountable trailer-mounted enclosure (capable of stand-alone or trailer-mounted operation) containing the tools and equipment needed to fulfill the required refill tasks. FSRS Milestones or Events in the Next 90 Days consists of a transportable ISO container with an environmental Jul 2016: TM Validation Effort control unit. Jul 2016: JMTC MOA/SOW Jul 2016: Milestone C LRIP/TC-LP AAO: 171 APUC: \$374K **Quantity Fielded : 0 Quantity on Contract: 0** Program Schedule, Budget and Status Issues FY15 FY16 FY17 FY18 FY19 FY20 **FY21** None 10 20 30 40 10 20 30 40 10 20 30 40 10 20 30 40 10 20 30 40 10 20 30 40 10 20 30 40 10 20 30 40 10 20 30 40 10 20 30 40 MS C Packet Preparation Production PROGRAM ANAGEMENT MSC LRIP/TC-LP FRP/FMR/TC-STD Provisioning Data and TM Development LOGISTICS Log De Cost Congressional Testing (ATEC) Schedule T&E ENGINEERING Performance Interdependencies FY18 FY16 FY17 FY19 FY20 FY21 evel III TDF \$5.5M \$ 4.6M \$4.0M \$6.7M \$6.8M \$1.5M PA Validated Color indicates current condition. Direction indicates future assessment RDT&E \$23K





AAO: 1,270 Oty Fielded: 0

Program Description

Load Bank System (LBS)



ACAT III

Repairer in meeting METL requirements.

A Load Bank is a device which develops an electrical load and applies

accurately mimic the operational or "real" load that a power source will

controllable load. Fills the capability gaps identified with the Army 91D

Load Banks were last issued in 1985, which makes the system 28 years

old, exceeding its Economic Useful Life (EUL); manufacturing

Oty On Contract: 0

APUC: \$5.8K

see in actual application by providing a reliable, repeatable and fully

Military Occupational Specialty (MOS) Power-Generation Equipment

the load to tactical generator sets and converts or dissipates the resultant power output of the source. The Load Bank is used to

PEO CS&CSS/PM FP/PdM SKOT

Recent Milestones or Events

- Apr 2015: BOI approved
- Mar 2015: Solicitation Released
- Jul 2015: Contract Award
- Aug 2015: Start of Work Mtg
- Mar 2016: ATEC Testing begins
- May 2016: ATEC Testing Complete

Milestones or Events in the Next 90 Days

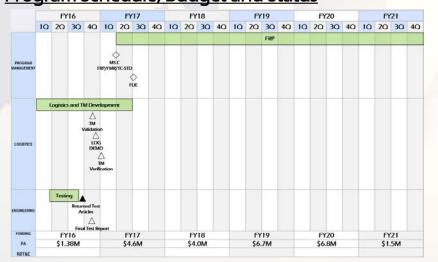
- Final Test Report
- Provisioning Effort
- TM Development
- Logistics Demonstration





Program Schedule, Budget and Status

obsolescence and outdated technology exists.



Issues

None

Cost	Congressional	
Schedule	T&E	
Performance	Interdependencies	

Color indicates current condition, Direction indicates future assessment





Machinist's Measuring Tool Set (MMTS)



ACAT III	PEO CS&CSS/PM FP/PdM SKOT	
Program Description The Machinist's Measuring Tool Set (MMTS) contains a tool load configured around the mission of the 91E (Allied Trades) Military Occupational Specialty (MOS).	 Recent Milestones or Events ✓ Jul 2013: Market Research completed ✓ Jan 2014: ADM approved ✓ Jun 2014: Price Concurrence ✓ Aug 2014: Acquisition Strategy approval ✓ Aug 2014: APB approval ✓ Sep 2014: Production Contract Award (Industries for the Blind) ✓ May 2015: First Unit Equipped 	
The MMTS consists of 73 component parts, carried in one portable tool box. The set consists of gages, calipers, rulers, and other equipment to facilitate 91E's duties such as fabricating, repairing and modifying metallic and non- metallic parts.		
The MMTS replaces:	Milestones or Events in the Next 90 Days	
The Tool Kit Welders and The Tool Kit Machinist	Fielding's ongoing per G8 Distribution Plan	
AAO: 2449 Quantity Fielded : 864 APUC: \$5.6K Quantity on Contract: 0 ** 1474 Procured & Delivered to Depot		
Program Schedule, Budget and Status	Issues	
FY14 FY15 FY16 10 20 30 10 20 30 10 20 30 40	• None	
PROGRAM MANAGEMENT Approved ACOSTAT Contract Award		
LODISTICS Provisioning 6 Supply Catalog	Cost Congressional	
	Schedule T&E	
ENGINEERING	Scriedule Interdependencies	
FY15 FY16 FY17 FY18 FY19 FY20	Color indicates current condition, Direction indicates future assessment	
\$2.8M PA \$1.4M PA \$1.4M PA \$1.1M PA \$1.1MPA \$2.0M PA		

