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Department of Defense
OFFICE OF PREPUBLICATION AND SECURITY REVIEW

Selected Acquisition Report (SAR)



Mobile Protected Firepower (MPF)

FY 2024 President's Budget

**Defense Acquisition Visibility
Environment (DAVE)**

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Common Acronyms and Abbreviations

\$B - Billions of Dollars
\$K - Thousands of Dollars
\$M - Millions of Dollars
ACAT - Acquisition Category
Acq O&M - Acquisition-Related Operations and Maintenance
ADM - Acquisition Decision Memorandum
APB - Acquisition Program Baseline
APPN - Appropriation
APUC - Average Procurement Unit Cost
BA - Budget Authority/Budget Activity
Blk - Block
BY - Base Year
CAPE - Cost Assessment and Program Evaluation
CARD - Cost Analysis Requirements Description
CDD - Capability Development Document
CLIN - Contract Line Item Number
CPD - Capability Production Document
CY - Calendar Year
DAB - Defense Acquisition Board
DAE - Defense Acquisition Executive
DAMIR - Defense Acquisition Management Information Retrieval
DoD - Department of Defense
DSN - Defense Switched Network
EMD - Engineering and Manufacturing Development
EVM - Earned Value Management
FMS - Foreign Military Sales
FOC - Full Operational Capability
FRP - Full Rate Production
FY - Fiscal Year
FYDP - Future Years Defense Program
ICE - Independent Cost Estimate
Inc - Increment
IOC - Initial Operational Capability
JROC - Joint Requirements Oversight Council
KPP - Key Performance Parameter
LRIP - Low Rate Initial Production
MDA - Milestone Decision Authority
MDAP - Major Defense Acquisition Program
MILCON - Military Construction
N/A - Not Applicable
O&M - Operations and Maintenance
O&S - Operating and Support
ORD - Operational Requirements Document
OSD - Office of the Secretary of Defense
PAUC - Program Acquisition Unit Cost
PB - President's Budget
PE - Program Element

PEO - Program Executive Officer

PM - Program Manager

POE - Program Office Estimate

RDT&E - Research, Development, Test, and Evaluation

SAR - Selected Acquisition Report

SCP - Service Cost Position

TBD - To Be Determined

TY - Then Year

U.S. - United States

UCR - Unit Cost Reporting

USD(A&S) - Under Secretary of Defense (Acquisition and Sustainment)

USD(AT&L) - Under Secretary of Defense (Acquisition, Technology and Logistics)

Program Information

Program Name

Mobile Protected Firepower

DoD Component

Army

Responsible Office

Program Manager

Name: DAVID J. DOPP, JR

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Mission and Description

The Mobile Protected Firepower (MPF) system is a U.S. Army program to procure a light tank that is capable of providing Infantry Brigades a protected, long range, precision direct fire capability to neutralize enemy prepared positions and bunkers and defeat heavy machine guns and armored vehicle threats during offensive operations or when conducting defensive operations. On 25 Sep 2018, the Army Acquisition Executive (AAE) approved the use of Middle Tier Acquisition (MTA) authorities to execute MPF Rapid Prototyping. On June 24, 2022, the Army Acquisition Executive (AAE) approved both an MTA Outcome Determination (OD) that transitioned MPF to the Adaptive Acquisition Framework (AAF) Major Capability Acquisition (MCA) pathway as an Acquisition Category (ACAT) 1B Program, as well as the MPF Milestone C (MS C) and entry into LRIP. On June 28, 2022, General Dynamics Land Systems (GDLS) was awarded the MPF LRIP contract.

Executive Summary

MPF

Program Highlights Since Last Report

This is the initial SAR submission for the MPF program. On September 25, 2018, the Army Acquisition Executive (AAE) approved the use of Middle Tier Acquisition (MTA) authorities to execute MPF Rapid Prototyping. On June 24, 2022, the Army Acquisition Executive (AAE) approved both an MTA Outcome Determination (OD) that transitioned MPF to the Adaptive Acquisition Framework (AAF) Major Capability Acquisition (MCA) pathway as an Acquisition Category (ACAT) 1B Program, as well as the MPF Milestone C (MS C) and entry into Low Rate Initial Production (LRIP). On June 28, 2022, General Dynamics Land Systems (GDLS) was awarded the MPF LRIP contract. FY 2024 President's Budget (PB) funding is adequate to meet cost, schedule, and performance objectives. There are no significant software-related issues with this program currently.

History of Significant Developments Since Program Initiation

History of Significant Developments Since Program Initiation	
Date	Significant Development Description
Aug - 2022	Acquisition Program Baseline Approved
Jun - 2022	Capability Development Document- Update Approved
Jun - 2022	Low Rate Initial Production Contract Award to General Dynamics Land Systems
Jun - 2022	Milestone C Army Cost Position Approved
Jun - 2022	Milestone C Army System Acquisition Review Council (ASARC)
Jun - 2022	MPF Designated ACAT IB
Jan - 2022	Pre-Production Prove-Out Test Completion
Nov - 2021	Low-Rate Initial Production (LRIP) Request for Proposal (RFP) Release
Oct - 2021	Limited User Test (LUT) Completion
Sep - 2021	Soldier Vehicle Assessment (SVA) Completion
Jun - 2020	Initial Prototype Delivery
Dec - 2018	Rapid Prototyping Contracts Awarded
Sep - 2018	Middle Tier of Acquisition Rapid Prototyping (MTA-RP) Authorization
Jun - 2018	Capabilities Development Document (CDD) Approved
Nov - 2017	Middle Tier of Acquisition-Rapid Prototyping (MTA-RP) Request for Proposal (RFP) Release
Sep - 2017	Analysis of Alternatives (AoA) Completed
Oct - 2016	Materiel Development Decision (MDD)
Feb - 2016	Designated a New Start program in the FY17 President's Budget Submission
Dec - 2015	Initial Capabilities Development approval by the Joint Req. Oversight Council

Schedule

MPF

Events	Milestone Baseline Objective	Current Baseline Objective/Threshold		Current Estimate/Actual	Deviation
Milestone C Low-Rate Initial Production (LRIP) Decision-Low-Rate Initial Production Decision (Start)	Jun 2022	Jun 2022	Jun 2022	Jun 2022	
LRIP Initial Delivery		Nov 2023	May 2024		
Live Fire Test & Evaluation (FUSL)		Dec 2023	Jun 2024		
Initial Operational Test & Evaluation		Aug 2024	Feb 2025		
Milestone C Full-Rate Production Decision		Mar 2025	Sep 2025		
First Unit Equipped		Aug 2025	Feb 2026		
Initial Operational Capability		Sep 2027	Mar 2028		

Notes

In accordance with the MPF Capability Development Document Update (CDD-U), signed June 24, 2022, the number of assets required to attain FUE is one Company set of 14 MPFs, while one Battalion set of 42 MPFs is required to achieve IOC. The CDD-U defines the number of assets required for FOC as the complete AAO of 504 MPFs.

Deviation Explanation

Performance

MPF

Performance Characteristics					
Milestone Baseline	Current Baseline Objective/Threshold	Demonstrated Performance	Current Estimate/Actual	Deviation	
(KPP)7 Protection - KPP 1 Force Protection					
	MPF should be capable of protecting the crew from Explosive Formed Penetrators (EFPs), chemical energy (CE) threats and integrating VPS through the use the Army's Modular Active Protection System (MAPS) soft-kill program currently in development.	MPF shall protect the crew from small arms, heavy machine gun, overhead artillery, underbelly mine, side IED, and kinetic energy (KE) threats. It will protect the crew from serious or greater injuries due to onboard fires, various blasts, shock, overpressure, fragments, spall, and accelerated effects of attack by the specified threats. MPF shall extinguish fires in the crew compartment with an automatic fire suppression system.	TBD. Program will update pending results of LRIP phase testing.	Initial analysis indicates that the program will meet the threshold.	
(KPP)7 Protection - KPP 2 System Survivability (Cyber)					
	MPF will survive against the objective threats outlined in the classified annex.	MPF shall seek to employ safeguards leverage built-in test to inform operators of potentially malicious cyber activity to aid in prevention, mitigation, and recovery from cyber-attacks (deny, degrade, and destroy cyber	TBD. Program will update pending results of LRIP phase testing.	Initial analysis indicates that the program will meet the threshold.	

(KPP)7 Protection - KPP 2 System Survivability (Cyber)

		<p>systems as well as exploitation of data). To the extent possible, and toward future growth, the MPF shall seek the capacity to authenticate messaging across internal data links/ interchange(s). To the extent possible, the MPF shall check for anomalous activity on interchanges and seek ways to segregate sub-system functions if anomalous activity is detected. MPF must be able to perform critical mission functions and operate fully mission capable with a degraded or no network connection. MPF shall meet assessment and authorization requirements per DoDI 8500-Series (RMF), 5200.44, and 5200.39; and use NSA-approved crypto for wireless communications. MPF's prevent, mitigate, and recover capabilities must be capable of withstanding ATT 3-level cyber-attack TTPs.</p>			
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(KPP)7 Protection - KPP 2 System Survivability (Kinetic)

	<p>MPF will survive against the objective threats outlined in the classified annex.</p>	<p>MPF shall survive against designated threat weapon systems, outlined in the classified annex, on the contemporary battlefield while maintaining its ability to perform its primary mission, to include in the degraded mode (defined as anything less than full operational capability) during a single mission, when attacked by any of the defined threats. MPF shall extinguish fires in the engine compartment with an automatic fire suppression system. MPF shall incorporate thermal and visual signature management capabilities. The MPF is designated CBRN Mission Critical IAW DoDI 3150.09. The MPF shall ensure that CBRN contaminants can effectively be removed using standard decontamination processes. The MPF shall withstand High Altitude Electromagnetic Pulse (HEMP); it is not expected to survive exposure to other initial nuclear effects (i.e., blast, thermal,</p>	<p>TBD. Program will update pending results of LRIP phase testing.</p>	<p>Initial analysis indicates that the program will meet the threshold.</p>	
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		etc.). Accomplishment of the mission requires the ability to shoot, move and communicate with no more than one full vehicle reboot. Non-mission essential GFE and MEP equipment are exempt.			
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(KPP)6. Net-Centric - KPP 3 Net Ready

	Sufficient SWaP-C to facilitate integration of network technologies currently found on existing Infantry Brigade vehicles.	Sufficient SWaP-C to facilitate integration of network technologies currently found on existing Infantry Brigade vehicles.	TBD. Program will update pending results of LRIP phase testing.	Initial analysis indicates that the program will meet the threshold.	
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(KPP)4. Logistics - KPP 4 Sustainment (Materiel Availability (Am))

	85.1%	The MPF over a 26-year life cycle shall average a Materiel Availability (Am) of 76.7%.	TBD. Program will update pending results of LRIP phase testing.	Initial analysis indicates that the program will meet the threshold.	
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(KPP)4. Logistics - KPP 4 Sustainment (Operational Availability (Ao))

	An MPF shall have an Ao of 96% when measured continuously across the 30 day scenario in the MPF OMS/MP (Seize Initiative, Dominate, Stability phases)	The MPF must provide a 90% Operational Readiness (OR) Rate. The MPF shall have an Ao sufficient to maintain at least 8 of 14 (57%) MPF in a company available at least 90% of the time measured across the Seize Initiative Phase of the OMS/MP (72 hours).	TBD. Program will update pending results of LRIP phase testing.	Initial analysis indicates that the program will meet the threshold.	
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(KPP)1. Force Support - KPP 5 Training					
	95% critical tasks	Accomplish 80% or greater of the critical tasks required to operate and maintain MPF.	TBD. Program will update pending results of LRIP phase testing.	Initial analysis indicates that the program will meet the threshold.	
(KPP)4. Logistics - KPP 6 Energy					
	The MPF, using standard Army fuel, shall be capable of completing the 72-hour mission cycle identified in the MPF OMS/MP without refueling.	The MPF, using standard Army fuel, shall be capable of completing the 72-hour mission cycle identified in the MPF OMS/MP without refueling.	TBD. Program will update pending results of LRIP phase testing.	Initial analysis indicates that the program will meet the threshold.	

(KPP)3. Force Application - KPP 7 Lethality					
	<p>Total ammunition shall be no less than 28 rounds, should be capable of integrating anti-tank guided missile (ATGM) and defeat objective threats outlined in the classified annex.</p>	<p>Utilizing ammunition available in the DoD inventory, the MPF's main gun shall apply precise, lethal, long-range fire, capable of neutralizing a bunker, conducting a wall breach, and defeating light armor and 2nd tier main battle tank equivalent armor while on the move, in day, night, and all weather conditions. The system will provide the capability to fire the second and subsequent rounds in no more than seven seconds. The system shall provide electrical and manual safe/arm, provide electrical/mechanical firing, enable the crew to perform misfire procedures, and load/unload/reload the main weapon. MPF shall defeat threats identified in the classified annex during the 72-hr Seize phase without reboresighting the system. MPF shall be capable of identifying, tracking, and engaging threats in a degraded mode (no electrical power). MPF shall have ammunition</p>	<p>TBD. Program will update pending results of LRIP phase testing.</p>	<p>Initial analysis indicates that the program will meet the threshold.</p>	

		sufficient to defeat all threats IAW the 72-hr Seize phase in the MPF OMS/MP.			
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Requirement Reference

CDD, MPF Capability Development Document Update (CDD-U)

Validated: June 24, 2022

The MPF CDD-U contains classified information. Key Performance Parameters 2 and 7 in the Performance Attributes section below contain information that needs to be input into SIPR DAVE. The SIPR DAVE system is expected to be ready for input in late 1QFY23.

Deviation Explanation

No deviations for this program/subprogram

Notes

MPF KPPs are Classified, Controlled Unclassified Information, and Unclassified. These KPPs are being pulled from the APB.

Acquisition Budget Estimate

MPF

Total Acquisition Cost

		Milestone APB Objective (BY\$M)	Current Baseline		Budget Estimate PB 2024		Deviation
Category	Base Year		Objective (BY\$M)	Threshold (BY\$M)	BY\$M	TY\$M	
RDT&E	2022	1,185.4	1,185.4	1,303.9	1,179.1	1,156.3	
Procurement	2022	4,555.5	4,555.5	5,011	4,531.3	5,215.7	
MILCON	2022	576.9	576.9	634.6	576.9	662.5	
Acq. O&M	2022	167.4	167.4	184.2	167.4	229.5	
Total		6,485.2	6,485.2		6,454.7	7,264.0	
PAUC	2022	17.202	17.202	18.922	17.121	19.268	
APUC	2022	13.016	13.016	14.317	12.947	14.902	

Appropriation Category Deviation Explanations

PAUC Deviation Explanation

APUC Deviation Explanation

Budget Notes

Current APB Cost Estimate Reference: MPF MS C Army Cost Position (ACP) signed June 7, 2022. SAR Baseline = APB Objective = Current Estimate; APB Threshold = 10% over APB Objective. The MPF Total Life Cycle Cost includes sunk costs incurred to complete MPF Middle Tier Acquisition - Rapid Prototyping (MTA-RP) effort. Total MPF MTA-RP costs, in Then-Year dollars, were \$854.2M RDT&E and \$18.7M Acq O&M. Total MPF MTA-RP costs, in Base-Year 2022 dollars, were \$891.4M RDT&E and \$19.3M Acq O&M.

Total End Item Quantity

Quantity Category	Current APB Quantity	Current Estimate Quantity
Development	27	27
Procurement	350	350
O&M-Acquired		

Quantity Notes

The MPF Army Cost Position (ACP) scope reflects a quantity of 350 vehicles in the Army Procurement Objective vs. the full quantity of 504 vehicles in the Army Acquisition Objective. RDTE funded vehicles: - 12 MPFs from each MTA-RP phase vendor x 2 vendors = 24 MPFs. 3 production MPFs for LRIP phase Full-Up System Level (FUSL) live fire testing. Procurement funded vehicle: APO Qty of 350 Vehicles: 4 Active Army Divisions (42 MPFs x 4 Battalions) = 168 vehicles. 2 Guard Divisions (42 MPFs x 2 Battalions) = 84 vehicles. 1 Army Prepositioned Stock set 42 vehicles. Institutional Training, Training and Doctrine Command (TRADOC) = 28 vehicles. Repair Cycle Float = 28 vehicles.

Unit Cost

MPF

Current UCR Baseline and Current Estimate (Base-Year Dollars)

Category (\$M) Base Year:2022	Current UCR Baseline	Current Estimate	% Change
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Program Acquisition Unit Cost

Cost	6,485.2	6,454.7	
Quantity	377	377	
Unit Cost	17.202	17.121	-0.47%

Average Procurement Unit Cost

Cost	4,555.5	4,531.3	
Quantity	350	350	
Unit Cost	13.016	12.947	-0.53%

Original UCR Baseline and Current Estimate (Base-Year Dollars)

Category (\$M) Base Year:2022	Original UCR Baseline	Current Estimate	% Change
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Program Acquisition Unit Cost

Cost	6,485.2	6,454.7	
Quantity	377	377	
Unit Cost	17.202	17.121	-0.47%

Average Procurement Unit Cost

Cost	4,555.5	4,531.3	
Quantity	350	350	
Unit Cost	13.016	12.947	-0.53%

Cost Growth Details

Current Baseline PAUC Breach Explanation

Current Baseline APUC Breach Explanation

Original Baseline PAUC Breach Explanation

Original Baseline APUC Breach Explanation

Impacts of Schedule Changes on Unit Cost

N/A, initial SAR submission.

Impacts of Performance Changes on Unit Cost

N/A, initial SAR submission.

Actions Taken or Proposed to Control Future Cost Growth

MPF LRIP is being executed through a Fixed Price Incentive Firm contract type to control costs during LRIP, cap the government's exposure to cost growth during LRIP, and incentivize the contractor to implement production efficiencies during LRIP to reduce MPF production costs in follow-on contracts.

Risk and Sensitivity Analysis

MPF

Risk and Sensitivity Analysis

Current Procurement Cost (December - 2022)

1. If the current log manual development schedule slips due to force design changes, TDP drawing delays, potential redesigns identified during testing, or tech manual verification & validation delays, then the program could require additional funding for contractor support to maintain fielding schedules.

2. The MPF ACP generated in support of the Milestone C decision in June 2022, was used to establish the current APB. ACP identified labor learning, material economies of scale, and inflation as the primary risks to the MPF procurement cost estimate. The MS C ACP leveraged actual costs from build of MPF prototypes to project expected procurement costs. If labor learning during production is less than expected, or if the MPF prime contractor cannot achieve expected subcontracted material economies of scale, then MPF procurement costs will be greater than forecasted within the MPF APB Objective. Additionally, if actual economic conditions involve inflation at levels greater than forecasted, then MPF procurement costs will rise above those within the APB Objective.

Original Baseline Estimate (August - 2022)

The Risk and Sensitivity Analysis is uploaded in the AIR system under Milestone C Army Cost Position Cost Analysis Brief, dated 7 June 2022.

Current Baseline Estimate (August - 2022)

The Risk and Sensitivity Analysis is uploaded in the AIR system under Milestone C Army Cost Position Cost Analysis Brief, dated 7 June 2022.

Schedule Risk		
MS C	2022-12-19	If long lead hardware items are not procured during the designated lead time windows or items are delayed due to ongoing global supply chain challenges, then there may be schedule delays and cost increases to future lot builds.
Technical Risks		

Low Rate Initial Production

MPF

Item	Initial LRIP Decision	Current Total LRIP
Approval Date	02/13/2023	02/13/2023
Approved Quantity	26	26
Reference	MPF MS C ADM	MPF MS C ADM
Start Year	2022	2022
End Year	2026	2026

Rationale if quantity exceeds 10% of the total number of articles to be procured:

During LRIP, the MPF program will procure up to a total of 96 vehicles (19% of the MPF AAO) over three LRIP lot buys between FY22 and FY24. This three-year LRIP strategy provides the Army with several means to significantly reduce program cost and schedule risk. The three-year LRIP will ensure LRIP 1 actual costs (obtained through contractor cost reporting) are available to inform FRP contract negotiations. The three-year LRIP also provides the Army with flexibility to alter LRIP production activities to mitigate the likelihood of a production break between LRIP and FRP in the event of a delay to the FY25 FRP decision. The three-year LRIP will also ensure an orderly ramp-up to planned FRP levels. The MPF LRIP 1 lot will support performance, Live Fire, and Initial Operational Test and Evaluation (IOT&E) testing and provide vehicles for FUE. The LRIP 2 and LRIP 3 production lots will deliver systems to complete fielding of the initial MPF battalion, support fielding of a second MPF battalion, and provide a company set to TRADOC for institutional training.

Notes

- 1) The MPF program does not require advance procurement funds for the LRIP option awards or STS efforts.
- 2) LRIP 1 for up to 26 vehicles approved on June 24, 2022. Approval for LRIP 2 (up to 28 vehicles) & LRIP 3 (up to 42 vehicles) targeted for 3QFY23.3) Mobile Protected Firepower Milestone C and Low-Rate Initial Production Acquisition Decision Memorandum approved June 24, 2022.

Contracts & Efforts

Contract Data	
Contract Number	W56HZV-19-C-0036
Effort Number	
Modification Number	P00050
Award Date	12/17/2018
Definitization Date	06/28/2022
Order Number	
CAGE Code/CAGE Legal Name	7W356/General Dynamics Land Systems
Contract Title	MPF MTA/EMD, LRIP, and STS Contract
Contract Address	Sterling Heights, MI
Contracting Office	ACC-DTA 6501 E. 11 Mile Road Detroit Arsenal, MI 48397-5000
Supported Phase	Production
Contract Strategy	FAR 15 (Negotiated)
Contract Type	Cost-Plus-Incentive-Fee
Modification Date	November 07, 2022
Work Start Date	December 17, 2018
Technical Data Rights	None
Work Completed	

Contracts/Effort Price, Quantity, and Performance (TY\$M)		
Initial Target Price	Current Target Price	
\$660.5	\$677.7	
Initial Ceiling Price	Current Ceiling Price	
\$689.4	\$706.6	
Contractor EAC	PM EAC	
	\$677.7	
Initial Quantity	Current Quantity	Delivered Quantity
25	25	0
BAC	BCWP	ACWP

BCWS	Cost Variance	Schedule Variance

Contract Notes:

General Dynamics Land Systems Inc., was awarded an incrementally funded, Fixed Price Incentive Fee (Cost Based) and Firm Fixed Price contract (W56HZV-19-C-0036) with options, for the MPF program. Work will be performed in Sterling Heights, MI; Lima, OH; and Anniston, AL; with an estimated completion date of October 2026.

Factors Contributing to Cost Variance and Projected Effects on Program Costs**Factors Contributing to Schedule Variance and Projected Effects on Program Schedule**

External Government Activities

Activity Title		Government Entity	Supported Phase
CAGE		Work Start Date	
City		State/Province:	
Notes			

Deliveries and Expenditures

MPF

Deliveries				
Delivered to Date	Planned to Date	Actual to Date	Total Quantity	Percent Delivered
Development	27	24	27	88.89%
Production	350		350	0.00%
Total Program Quantity Delivered	377	24	377	6.37%
Expended and Appropriated (TY \$M)				

Years Appropriated to date: 6

Total Years Appropriated Funding (Current Baseline): 46

Percent Years Appropriated: 13.04%

Then-Year Funding Appropriated as Percentage of Total Acquisition Estimate: 17.00%

Then-Year Funding Expended as Percentage of Total Acquisition Estimate: 11.00%

Total Acquisition Cost: 7,264

Deliveries & Expenditures Notes:

The above data is current as of December 1, 2022.

Operating and Support Costs

MPF

O&S Cost Breakdown:

Category (BYS Million)	MPF
Unit-Level Manpower	3,490.5
Unit Operations	2,071.0
Maintenance	1,924.9
Sustaining Support	439.6
Continued System Improvements	941.7
Other	.0
Total	8,867.7

Cost Estimate Source: CCP dated June 07, 2022

O&S Cost Notes:

ASA(FM&C)

Total Program O&S Cost Compared with Baseline					
	Current Baseline		Current Estimate (BY\$M)	Current Estimate (TY\$M)	Deviation
	Objective (BY\$M)	Threshold (BY\$M)			
Total O&S	8,859.3	9,745.3	8,867.7	14,974.3	

Note:

Please note the TY total O&S \$M is \$14,974.3.

O&S Cost Deviation Explanation

Operating and Support Costs - Disposal and Unitized Costs

MPF

Annual Unitized O&S Cost Definition and Calculation Relative to Total O&S Cost:

Sustainment Factors	System Name: Mobile Protected Firepower	Antecedent System Name:
Quantity to Sustain	350	
Unit of Measure	Vehicles	
Unit Expected Service Life	30	

Base Year:

Annual Unitized O&S Cost by Category Base Year \$ Unit:(\$K)	System Name: Mobile Protected Firepower	Antecedent System Name:
Unit-Level Manpower	332.4	
Unit Operations	197.2	
Maintenance	183.3	
Sustaining Support	41.9	
Continued System Improvements	89.7	
Other		
Total O&S	844.5	0.0

Disposal/Demilitarization Cost Estimate

(Base Year \$Millions)	System Name: Mobile Protected Firepower	Antecedent System Name:
Total Disposal	12.7	

Cost Estimate Source - Disposal	
Type:	Component Cost Position
Approval Authority and Date:	Ms. Caral E. Spangler, ASA(FM&C) 06/07/2022
Note:	
N/A	
Disposal Cost Notes:	
N/A	
Additional O&S Estimate Assumptions:	
N/A	

Sustainment Strategy:

Soldiers will organically maintain and support the MPF. Commercial or commercial partnerships will be used for field-level maintenance where organic support is not available or where ongoing analysis indicates it is not cost effective. At the sustainment level, repair/overhaul of the end item will be performed at an organic depot. The MPF Core Logistics Analysis (CLA), approved in 2017, has determined that the requirements of Title 10 U.S.C 2464 (Core Logistics Capabilities) are applicable to the MPF. PdM MPF will establish an organic depot repair capability to support new core workload requirements four years after IOC in accordance with the Title 10 U.S.C 2464 and Title 10 U.S.C 2466 (Limitations on the Performance of Depot-Level Maintenance), which mandates a 50% ceiling, measured in dollars, on the amount of depot maintenance workload that may be performed by contract during a fiscal year. For Depot Level Repairables (DLRs) at the sub-system/Line Replaceable Unit (LRU) level, existing depot maintenance, supply, and contract support infrastructure will be leveraged whenever possible to minimize increases in the logistics footprint. This includes leveraging or updating (if required) existing National Maintenance Work Requirements (NMWRs) for legacy DLRs. For new, MPF-unique DLRs, the use of Government vs. contractor sources for sustainment level maintenance will be informed by the availability of technical data to develop NMWRs needed to establish organic repair programs.

Antecedent Estimate Assumptions:

N/A