

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)
--	--

COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	19.443	75.952	20.590	-	20.590	20.643	20.770	41.265	41.678	0.000	240.341
EG2: GMLRS Alternative Warheads	-	-	25.264	-	-	-	-	-	-	-	0.000	25.264
EG3: Guided MLRS	-	19.443	50.688	20.590	-	20.590	20.643	20.770	41.265	41.678	0.000	215.077

**Program MDAP/MAIS Code:** 260

**Note**

The project EG2 GMLRS Alternative Warheads (AW) efforts are zeroed in FY 2025 and beyond; GMLRS AW efforts are realigned to project EG3 Guided MLRS.

**A. Mission Description and Budget Item Justification**

Guided Multiple-Launch Rocket System (GMLRS) rockets are surface-to-surface artillery rockets fired from the Multiple Launch Rocket System (MLRS) and High Mobility Artillery Rocket System (HIMARS) launchers. GMLRS rockets provide 24/7, all-weather precision fires to engage both area and point targets at short, medium, and long ranges. The GMLRS Program currently consists of multiple variants: GMLRS Unitary utilizes a 200-pound high explosive warhead to engage point targets with limited collateral damage; GMLRS Dual Purpose Improved Conventional Munition (DPICM) cluster munition to engage area or imprecisely located targets and GMLRS Alternative Warhead (AW) which has been developed as a non-cluster munition to engage the same target set as GMLRS DPICM. GMLRS DPICM Production was terminated in response to the June 2008 Department of Defense (DoD) Cluster Munitions Policy. GMLRS Unitary and AW are currently in full rate production.

The 26 October 2016 Deputy Secretary's Management Action Group (DMAG) directed the Army to define and execute an effort for GMLRS modifications that would extend the maximum range (Extended Range (ER) GMLRS) and integrate sensors and seekers into the rocket to engage complex targets with greater precision at greater ranges. These modifications to GMLRS were designated by the Army Acquisition Executive as an engineering change proposal (ECP) and not as a new program. The Army prioritized the development and integration of an Enhanced Alternative Warhead (EAW) over support for the seeker spiral.

The GMLRS program is a component of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. These efforts include integration with an evolving common fires mission command, common development tools and processes, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps.

The GMLRS program will continue to leverage ongoing Government and Industry research and development efforts to extend range, increase survivability, and enhance lethality. The Project EG3: Guided MLRS funding line supports GMLRS enhancements including ER GMLRS system development and qualification, EAW system development (hardware, rocket and launcher software) as well as component and system level qualification, integration, and test into standard range GMLRS rockets; development of Assured Positioning, Navigation, and Timing (APNT); and integration of EAW into ER GMLRS.

**UNCLASSIFIED**

<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2025 Army	<b>Date:</b> March 2024
---	-------------------------

<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i>
---	---

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	20.180	75.952	45.549	-	45.549
Current President's Budget	19.443	75.952	20.590	-	20.590
Total Adjustments	-0.737	0.000	-24.959	-	-24.959
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.737	-			
• Adjustments to Budget Years	-	-	-24.959	-	-24.959

**Change Summary Explanation**

Decrease in FY 2025 reflects transition of the Sensor Fuzed Weapon (SFW) development effort to Science and Technology Budget Activity 03 0603464A/Long Range Precision Fires Advanced Technology to mature the dispense mechanism and submunition form factor for future integration into GMLRS.

**UNCLASSIFIED**

**Exhibit R-2A, RDT&E Project Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	<b>Project (Number/Name)</b> EG2 / GMLRS Alternative Warheads
--	--	--

COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
EG2: GMLRS Alternative Warheads	-	-	25.264	-	-	-	-	-	-	-	0.000	25.264
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

Starting in FY 2025, Project EG2 GMLRS Alternative Warheads efforts are realigned to project EG3 Guided MLRS.

**A. Mission Description and Budget Item Justification**

The U.S. Army initially funded the development of the Guided Multiple Launch Rocket System (GMLRS) Alternative Warhead (AW) increment under the Project EG2: GMLRS Alternative Warheads project code. GMLRS AW entered full rate production in 2015. The 26 October 2016 Deputy Secretary's Management Action Group (DMAG) directed the Army to define and execute an effort for a GMLRS modification that would integrate a seeker into the rocket. The Army prioritized integration of an Enhanced Alternative Warhead (EAW) into a standard range GMLRS rocket over continuation of the seeker spiral (see EG3).

**B. Accomplishments/Planned Programs (\$ in Millions)**

	FY 2023	FY 2024	FY 2025
<b>Title:</b> Enhanced Alternative Warhead	-	25.264	-
<b>Description:</b> The Enhanced Alternative Warhead effort modifies the AW warhead, proximity sensor, and warhead fuze for increased lethality against light and medium armored targets.			
<b>FY 2024 Plans:</b> Continue component development and qualification testing. Continue development and testing of updates to launcher fire control software and rocket operational flight software.			
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> In FY 2025, all RDTE funding for GMLRS has been realigned to the EG3/ Guided MLRS funding line.			
<b>Accomplishments/Planned Programs Subtotals</b>	-	25.264	-

**C. Other Program Funding Summary (\$ in Millions)**

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• C64400: Guided MLRS Rocket (GMLRS)	2,170.188	942.280	1,219.775	-	1,219.775	1,327.085	1,260.063	1,342.383	1,355.774	Continuing	Continuing
• EG3: Guided MLRS	19.443	50.688	20.590	-	20.590	20.643	20.770	41.265	41.678	Continuing	Continuing

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i>	<b>Project (Number/Name)</b> EG2 / <i>GMLRS Alternative Warheads</i>

**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
------------------	----------------	----------------	-------------------------------	------------------------------	--------------------------------	----------------	----------------	----------------	----------------	-----------------------------------	-------------------

**Remarks**

GMLRS missile procurement Army (MiPA) funding includes C65404 and C65406.

**D. Acquisition Strategy**

The GMLRS EAW lethality enhancement will service the existing GMLRS targets while adding capability against light/medium armored targets. The lead system integrator will enhance GMLRS M30A2 lethality by integrating a modified alternative warhead, new ESAF, and modified legacy proximity sensor. System Preliminary Design Review (PDR) was conducted in 2nd Quarter FY 2023 and Critical Design Review (CDR) is scheduled for 3rd Quarter FY 2024. System integrator will conduct component and system level qualification testing (arena, ground, flight) and production line validation. Components will be qualified to both GMLRS and ER GMLRS standards (most stringent). The end state is a qualified munition with a new nomenclature, ready for production cut-in as an ECP, to the existing GMLRS production line after qualification is completed in FY 2026. Contract cut-in is planned for the FY 2026 Production Lot contract award. The strategy is to procure quantities annually to support the Army's Total Munition Requirement (TMR).

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	<b>Project (Number/Name)</b> EG2 / GMLRS Alternative Warheads
--	--	--

<b>Management Services (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Government Program Management	Various	STORM Project Office : RSA	12.482	-		1.375	Jan 2024	-		-		-	0.000	13.857	-
<b>Subtotal</b>			12.482	-		1.375		-		-		-	0.000	13.857	N/A

**Remarks**  
STORM-Strategic and Operational Rockets and Missiles; RSA-Redstone Arsenal

<b>Product Development (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Other Government Agencies	MIPR	CCDC/AvMC : RSA	11.641	-		10.198	Jan 2024	-		-		-	0.000	21.839	-
Enhanced Alternative Warhead	C/CPFF	Kord : Huntsville, AL	25.309	-		6.310	Jan 2024	-		-		-	0.000	31.619	-
AWP Contracts (Multiple)	TBD	LMMCF : Dallas, TX	10.237	-		6.481	Jan 2024	-		-		-	0.000	16.718	-
<b>Subtotal</b>			47.187	-		22.989		-		-		-	0.000	70.176	N/A

**Remarks**  
AWP-Alternative Warhead Program; Various-Competitive/Firm Fixed Price/Sole Source/Cost Plus Fixed Fee; CCDC-Combat Capabilities Development Command; AvMC-Aviation and Missile Center; RSA-Redstone Arsenal; NGDS-Northrop Grumman Defense Systems; MN-Minnesota; LMMFC-Lockheed Martin Missile and Fire Control; TX-Texas; AL-Alabama

<b>Test and Evaluation (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Test Support for EAW	MIPR	WSMR, RTC, AVMC : NM, Redstone Arsenal	1.076	-		0.900	Jan 2024	-		-		-	0.000	1.976	-
<b>Subtotal</b>			1.076	-		0.900		-		-		-	0.000	1.976	N/A



**UNCLASSIFIED**

<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Army</b>			<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i>	<b>Project (Number/Name)</b> EG2 / <i>GMLRS Alternative Warheads</i>	

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
EAW development, integration, and test activities																												

**Note**  
Continuation of this effort beyond FY 2024 is funded under Project EG3, see EG3 for detailed schedule.

**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i>	<b>Project (Number/Name)</b> EG2 / <i>GMLRS Alternative Warheads</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
EAW development, integration, and test activities	2	2020	4	2024

**Note**  
Project EG2 efforts transition to EG3 in FY 2025 and beyond.

**UNCLASSIFIED**

**Exhibit R-2A, RDT&E Project Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i>	<b>Project (Number/Name)</b> EG3 / <i>Guided MLRS</i>
--	---	--

COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
EG3: <i>Guided MLRS</i>	-	19.443	50.688	20.590	-	20.590	20.643	20.770	41.265	41.678	0.000	215.077
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

Starting in FY2025, Project EG2 GMLRS Alternative Warheads efforts are realigned to project EG3 Guided MLRS. Transition of the Sensor Fuzed Weapon (SFW) development effort to Science and Technology Budget Activity 03 0603464A/Long Range Precision Fires Advanced Technology to mature the dispense mechanism and submunition form factor for future integration into GMLRS, leaving a balance of \$20.590 in project EG3.

**A. Mission Description and Budget Item Justification**

The U.S. Army continues to explore ways to enhance Guided Multiple Launch Rocket System (GMLRS) rockets and common components under Project EG3: Guided MLRS. The Army is requesting funding for GMLRS Research, Development, Test and Evaluation (RDT&E) development, integration, and test activities to enhance operational capabilities including increased range, improved lethality and survivability, enhanced flight performance, and Assured Positioning, Navigation and Timing (APNT).

FY 2025 dollars in the amount of \$20.590 million will support:

- (1) EAW component and system level qualification efforts
- (2) Evaluation of next generation receivers technology and Anti-Jamming applique solution for ER GMLRS
- (3) Integration of Enhanced Alternative Warhead into an ER GMLRS

**B. Accomplishments/Planned Programs (\$ in Millions)**

	FY 2023	FY 2024	FY 2025
<b>Title:</b> GMLRS enhancements	6.968	-	14.606
<b>Description:</b> The Enhanced Alternative Warhead effort modifies the AW warhead, proximity sensor, and warhead fuze for increased lethality against light and medium armored targets.			
<b>FY 2025 Plans:</b> Completion of component qualification will allow the program to transition to integration activities supporting ground and flight qualification tests. Software testing and materiel release activities will be ongoing for required Type Classification (TC) and Full Materiel Release (FMR) package submission supporting EAW production.			
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Funding increase represents EAW effort funded on the EG2/GMLRS Alternative Warheads line in FY2024.			
<b>Title:</b> GMLRS Assured Position Navigation and Timing (APNT)	2.405	3.077	4.290

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i>	<b>Project (Number/Name)</b> EG3 / <i>Guided MLRS</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p><b>Description:</b> Address GMLRS munition-specific requirements related to maintaining accuracy in a contested environment, improving accuracy over longer ranges, and compliance with statutory GPS requirements.</p> <p><b>FY 2024 Plans:</b> Initiate development of a next generation guidance set for the GMLRS system future production. Develop specifications, down-select Increment-2 M-Code receiver and antennas supporting anti-jam capability. Purchase receiver and antenna hardware to facilitate guidance set requirements development.</p> <p><b>FY 2025 Plans:</b> Continues development of the Next Generation Guidance Set. The US Army Combat Capabilities Development Command (CCDC) Aviation and Missile Center (AvMC) will compare receiver solutions against operational and technical requirements and investigate Anti-Jamming applique solutions for Extended and Standard Range GMLRS. Begin prototyping efforts for integration of applique solutions.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Increase in funding required to support Next Generation Guidance Set hardware and software prototyping.</p>			
<p><b>Title:</b> Extended Range (ER) GMLRS and complementary rocket pod development</p> <p><b>Description:</b> Complete rocket pod development and conduct system level ground and flight tests.</p>	2.561	-	-
<p><b>Title:</b> Extended Range (ER) GMLRS development</p> <p><b>Description:</b> Qualification and integration of ER GMLRS.</p>	2.993	-	-
<p><b>Title:</b> EAW Integration into ER GMLRS</p> <p><b>Description:</b> Integration of the Enhanced Alternative Warhead into the ER GMLRS will provide medium to light armor capability against targets at extended ranges.</p> <p><b>FY 2024 Plans:</b> Begin acquisition of long lead hardware items to support test schedule, mechanical and electrical integration of EAW into ER GMLRS, and development of software.</p> <p><b>FY 2025 Plans:</b> Support design and integration activities including Interface Control Documents and specification analysis to prepare for integration of EAW into ERG.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b></p>	4.516	17.453	1.694

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i>	<b>Project (Number/Name)</b> EG3 / <i>Guided MLRS</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
Decrease in FY 2024 to FY 2025 represents decrease in costs for design activities than previously planned acquisition of hardware for development of prototypes.			
<p><b>Title:</b> Sensor Fuzed Weapon (SFW) Payload</p> <p><b>Description:</b> The Sensor Fuzed Weapon (SFW) will provide capability to engage against armored and mechanized forces utilizing the ER GMLRS as the delivery vehicle. The Army will conduct a study determining the appropriate SFW to utilize against these targets and to develop and field this capability no later than FY 2030. The SFW will consist of a munition dispenser containing multiple submunitions. These submunitions will independently acquire, identify, and engage these targets.</p> <p>The Sensor Fuzed Weapon effort is transitioning from the US Army STORM Project Office to US Army Combat Capabilities Development Command (CCDC) Aviation &amp; Missile Center (AvMC) to further mature dispense mechanism and submunition form factor for integration into GMLRS.</p> <p><b>FY 2024 Plans:</b> Award an Other Transactional Authority contract to support an initial system requirement review with the payload vendor and to develop the design leading up to Interim Design Review #1. This effort will also start procurement of GMLRS rockets, SFW payload munitions, and hardware for dispensing mechanisms needed to support integration and testing efforts starting in FY 2025. Additionally, FY 2024 also funds efforts to assess SFW qualification requirements to address safety and prepare for ground component level testing.</p> <p>Utilize Aviation and Missile Center to support system analysis and trade studies, software prototyping (rocket operational flight and launcher), and requirements development for payload and dispensing mechanism to support the payload vendor's effort to integrate the SFW payload into a GMLRS form-factor.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease from FY 2024 to FY 2025 due to transition of the Sensor Fuzed Weapon (SFW) development effort to Science and Technology Budget Activity 03 0603464A/Long Range Precision Fires Advanced Technology.</p>	-	30.158	-
<b>Accomplishments/Planned Programs Subtotals</b>	19.443	50.688	20.590

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• C64400: <i>Guided MLRS Rocket (GMLRS)</i>	2,170.188	942.280	1,219.775	-	1,219.775	1,327.085	1,260.063	1,342.383	1,355.774	Continuing	Continuing

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i>	<b>Project (Number/Name)</b> EG3 / <i>Guided MLRS</i>

**C. Other Program Funding Summary (\$ in Millions)**

Line Item	FY 2023	FY 2024	FY 2025	FY 2025	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Cost To	Total Cost
			Base	OCO	Total					Complete	
• EG2: <i>GMLRS</i> <i>Alternative Warheads</i>	-	25.264	0.000	-	0.000	-	-	-	-	0.000	25.264

**Remarks**

GMLRS Procurement funding includes C65404 and C65406.

**D. Acquisition Strategy**

Project EG3: Guided MLRS supports the development of materiel changes that improve the GMLRS family of munitions and address emerging requirements.

Supported efforts include:

- (1) Continuing development and integration of the Enhanced Alternative Warhead into Standard Range GMLRS, qualify components to both GMLRS and ER GMLRS standards
- (2) APNT activities to improve overall system performance in contested environments
- (3) Leveraging the Enhanced Alternative Warhead capability by integrating it with the ER GMLRS rocket for improved effects at greater ranges.
- (4) The Sensor Fuzed Weapon effort is transitioning to the US Army Aviation and Missile Center to mature the dispense mechanism and submunition form factor for integration into GMLRS and conduct a demonstration. This demonstration will inform a user requirement and an associated program of record decision in FY 2028.

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	<b>Project (Number/Name)</b> EG3 / Guided MLRS
--	--	---

<b>Management Services (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Government Program Management	Various	Various : RSA	20.502	2.219	Jan 2023	2.758	Jan 2024	2.351	Jan 2025	-		2.351	Continuing	Continuing	Continuing
<b>Subtotal</b>			20.502	2.219		2.758		2.351		-		2.351	Continuing	Continuing	N/A

**Remarks**  
MIPR-Military Interdepartmental Purchase Request; RSA-Redstone Arsenal, Alabama; TBD-To Be Determined

<b>Product Development (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Unitary Contracts/Multiple	SS/FPIF	LMMFC : Dallas, TX	67.387	0.945	Jan 2022	-		1.655	Jan 2025	-		1.655	Continuing	Continuing	Continuing
Other Government Agencies	MIPR	Various : Various	37.733	9.206	Dec 2022	10.500	Jan 2024	2.718	Jan 2025	-		2.718	0.000	60.157	Continuing
Sensor Fuzed Weapon Competitive Contracts	C/TBD	TBD : TBD	-	-		19.667	Jan 2024	-		-		-	0.000	19.667	Continuing
Next Generation M-Code Receiver	C/CPFF	TBD : TBD	-	-		2.910	Apr 2024	-		-		-	0.000	2.910	Continuing
Enhanced Alternative Warhead	SS/CPFF	Kord : Huntsville, AL	-	-		-		8.694	Mar 2025	-		8.694	0.000	8.694	-
EAW Integration into ER GMLRS	SS/CPFF	Lockheed Martin : Camden, AR and Grand Prairie, TX	-	-		14.853	Apr 2024	0.701	Mar 2025	-		0.701	0.000	15.554	Continuing
EAW Integration into ER GMLRS GROFS/GIFSIM	SS/CPFF	NTA : Huntsville, AL	-	4.000		-		-		-		-	0.000	4.000	-
<b>Subtotal</b>			105.120	14.151		47.930		13.768		-		13.768	Continuing	Continuing	N/A

**Remarks**  
SS/FPIF-Sole Source/Fixed-Price Incentive Firm; LMMFC - Lockheed Martin Missile and Fire Control; TX - Texas; C/CPFF- Competitive/Cost Plus Fixed Fee; C/FPIF - Competitive/Fixed-Price Incentive Firm; WV - West Virginia; VA - Virginia; TBD - To Be Determined  
The Enhanced Alternative Warhead effort will provide increased lethality against medium to light armored targets serviced by GMLRS; the EAW Integration into ER GMLRS will provide this same capability at extended ranges against targets serviced by ER GMLRS



**UNCLASSIFIED**

<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Army</b>			<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	<b>Project (Number/Name)</b> EG3 / Guided MLRS	

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Enhanced Alternative Warhead</b>																												
Enhanced Alternative Warhead into Standard Range GMLRS																												
Component Level Design through CDRs																												
EDT Flight Testing																												
Component Qualification Testing																												
System Level CDR																												
System Level Integration and Qualification Flight Testing																												
<b>Assured Position, Navigation, and Timing</b>																												
System Engineering																												
Prototype Builds																												
Next Generation Guidance Set Development																												
<b>ER GMLRS</b>																												
Extended Range GMLRS Development and Qualification																												

**UNCLASSIFIED**

<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	<b>Project (Number/Name)</b> EG3 / Guided MLRS

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ER GMLRS System Qualification (Ground) Testing																												
ER GMLRS System Qualification Flight Testing																												
ER GMLRS Operational Testing																												
Engineering Change Proposal (ECP) Cut-in Decision																												
ER GMLRS Functional Configuration Audit																												
<b>EAW Integration into ER GMLRS</b>																												
EAW Integration and Delta Qualification for ER GMLRS																												

**Note**  
ER GMLRS schedule slip into FY 2024 due to technical issues on the Side Mounted Proximity Sensor which delayed completion of System Qualification Flight Testing into FY 2024.

**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	<b>Project (Number/Name)</b> EG3 / Guided MLRS

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Enhanced Alternative Warhead	1	2022	2	2026
Enhanced Alternative Warhead into Standard Range GMLRS	1	2023	2	2026
Component Level Design through CDRs	1	2022	4	2024
EDT Flight Testing	1	2024	3	2024
Component Qualification Testing	4	2023	2	2025
System Level CDR	4	2024	4	2024
System Level Integration and Qualification Flight Testing	4	2024	2	2026
Assured Position, Navigation, and Timing	3	2021	4	2033
System Engineering	3	2021	2	2023
Prototype Builds	4	2022	2	2023
Next Generation Guidance Set Development	2	2024	4	2032
ER GMLRS	2	2018	2	2024
Extended Range GMLRS Development and Qualification	2	2018	2	2024
Preliminary Design Review	3	2019	3	2019
ER GMLRS Design Verification Testing	3	2020	2	2021
ER GMLRS Engineering Development Testing	1	2021	3	2021
Delta Preliminary Design Review	1	2021	1	2021
ER GMLRS System Qualification (Ground) Testing	3	2021	4	2023
Critical Design Reviews	3	2021	3	2021
ER GMLRS System Qualification Flight Testing	3	2022	1	2024
ER GMLRS Operational Testing	2	2024	2	2024
Engineering Change Proposal (ECP) Cut-in Decision	2	2024	2	2024

**UNCLASSIFIED**

**Exhibit R-4A, RDT&E Schedule Details:** PB 2025 Army **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i>	<b>Project (Number/Name)</b> EG3 / <i>Guided MLRS</i>
--	---	--

Events	Start		End	
	Quarter	Year	Quarter	Year
ER GMLRS Functional Configuration Audit	2	2024	2	2024
EAW Integration into ER GMLRS	2	2024	4	2029
EAW Integration and Delta Qualification for ER GMLRS	2	2024	4	2029