

UNCLASSIFIED

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

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</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
Total Program Element	0.000	309.068	43.435	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	352.503
HX1: <i>Long-Range Hypersonic Weapon</i>	-	10.000	-	-	-	-	-	-	-	-	0.000	10.000
HX3: <i>All Up Round and Canister (AUR+C)</i>	-	71.614	-	-	-	-	-	-	-	-	0.000	71.614
HX4: <i>Common Hypersonic Glide Body (CHGB)</i>	-	92.589	-	-	-	-	-	-	-	-	0.000	92.589
HX5: <i>Ground Support Equipment (GSE)</i>	-	95.403	43.435	-	-	-	-	-	-	-	0.000	138.838
HX6: <i>Test and Evaluation</i>	-	39.462	-	-	-	-	-	-	-	-	0.000	39.462

Note

FY2024 is the last year of funding for Program Element (PE) 0604182A / Hypersonics and efforts will transition to PE 0605232A / Hypersonics EMD.

A. Mission Description and Budget Item Justification

The work in this Program Element (PE) supports the research, development, prototype, test and evaluation of technology to rapidly and efficiently procure, transition, and/or field critical enabling technologies and capabilities that address near-term, and mid-term threats and is directly aligned to the Army Long Range Precision Fires modernization priority.

PE 0604182A Hypersonics funds the development and prototype fielding of a Long Range Hypersonic Weapon to suppress adversary Long Range Fires and engage other high payoff/time critical targets. This effort encompasses the growth, testing and transition of Long Range Fires technologies.

UNCLASSIFIED

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

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>
---	--

B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	238.168	43.435	0.000	-	0.000
Current President's Budget	309.068	43.435	0.000	-	0.000
Total Adjustments	70.900	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	76.856	-			
• SBIR/STTR Transfer	-5.956	-			

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: HX1: *Long-Range Hypersonic Weapon*

Congressional Add: *Program Increase - Materials, Manufacturing & Machine Learning for Hypersonics*

Congressional Add Subtotals for Project: HX1

Project: HX4: *Common Hypersonic Glide Body (CHGB)*

Congressional Add: *Hypersonic Glide Body Risk Reduction*

Congressional Add: *Near Net Shape Materials*

Congressional Add Subtotals for Project: HX4

Congressional Add Totals for all Projects

	FY 2023	FY 2024
	10.000	-
Congressional Add Subtotals for Project: HX1	10.000	-
	60.000	-
	5.000	-
Congressional Add Subtotals for Project: HX4	65.000	-
Congressional Add Totals for all Projects	75.000	-

UNCLASSIFIED

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

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX1 / <i>Long-Range Hypersonic Weapon</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
HX1: <i>Long-Range Hypersonic Weapon</i>	-	10.000	-	-	-	-	-	-	-	-	0.000	10.000
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Previously, FY20-FY25 funding was captured within Program Element (PE) 0604182A / Hypersonics, Project HX1 / Long-Range Hypersonic Weapon. Beginning in FY23, all funding is realigned from Program Element (PE) 0604182A / Hypersonics, Project HX1 to Project HX3, HX4, HX5 and HX6 beneath PE 0604182A / Hypersonics.

This funding will transition the Budget Activity (BA) 4 activities to a Program of Record within PE 0605232A / Hypersonics EMD.

A. Mission Description and Budget Item Justification

Funding supports efforts to field an experimental prototype Hypersonic Weapon System with residual combat capability at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations by the end of FY 2023. Initial fielding of all ground support equipment and training canisters, less live rounds, was completed in FY 2021. The Long Range Hypersonic Weapon (LRHW) system will provide the Army a prototype strategic attack weapon system to defeat Anti Access/ Area Denial (A2/AD) capabilities, suppress adversary Long Range Fires, and engage other high payoff/time critical targets. The Army is working closely with the Navy in the development of the LRHW. Common with the Navy, the LRHW system includes a Common Hypersonic Glide Body (CHGB) and common 34.5 inch booster. Additionally, the LRHW will use an existing Command and Control (C2) Network, the Advanced Field Artillery Tactical Data System (AFATDS).

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

	FY 2023	FY 2024
Congressional Add: Program Increase - Materials, Manufacturing & Machine Learning for Hypersonics	10.000	-
FY 2023 Accomplishments: Produced and qualified additively manufactured components to support future production line incorporation to the Common Hypersonic Glide Body. Developed and coordinated Non-Destructive Inspection (NDI) criteria for Additively Manufactured parts to help reduce program cost and accelerate schedule for product acceptance. Performed a cyber and physical review of designs to optimize parts based on use of AM processes vice standard machining processes, reducing cost, weight, and wasted material.		
Congressional Adds Subtotals	10.000	-

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

N/A

Remarks

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX1 / <i>Long-Range Hypersonic Weapon</i>

D. Acquisition Strategy

The Army will field an experimental prototype Hypersonic Weapons System with residual operational capability NLT FY 2023 at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations. Contractor Logistics Support (CLS) will be provided for one year following the delivery of the first battery. This effort uses a combination of Other Transaction Authority's (OTA's) and the Navy Conventional Prompt Strike (CPS) contract with Lockheed Martin. Long-lead procurement is required 2 years prior to delivery which resulted in a significant ramp up of funding in FY 2021 to meet the FY 2022 manufacturing and FY 2023 fielding requirement. Quick awards of the OTA and Navy CPS contracts ensure procurements are executed with adequate time to execute the funds and program requirements. A SETA contract provides support to the Government Project Office. The PEO M&S transition team is currently embedded within RCCTO to ensure an efficient transition in FY 2024 as a program of record.

UNCLASSIFIED

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

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX1 / <i>Long-Range Hypersonic Weapon</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
JFC-2 Test	▲ 1																											

UNCLASSIFIED

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

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX1 / <i>Long-Range Hypersonic Weapon</i>
--	--	---

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Integration Systems Requirement Review	1	2020	1	2020
AUR+C Preliminary Design Review	2	2020	2	2020
GSE Preliminary Design Review	2	2020	2	2020
Launcher Preliminary Design Review	3	2020	3	2020
GSE Critical Design Review	1	2021	1	2021
CHGB Long Lead/Production	1	2020	4	2022
Launcher Design/Manufacturing	1	2020	4	2021
Canisters Delivered for training	3	2021	4	2021
LRHW AUR+C Booster and Canister Deliveries	3	2021	4	2022
Delivery of Prototypes Launchers	4	2021	4	2021
Contractor Logistics Support (CLS)	1	2022	4	2022
New Equipment Training	1	2022	2	2022
Initial Fielding of BOC and TELs	4	2021	4	2021
FT-3 Test	1	2022	1	2022
JFC-1 Test	3	2022	3	2022
JFC-2 Test	2	2023	2	2023

UNCLASSIFIED

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

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / Hypersonics	Project (Number/Name) HX3 / All Up Round and Canister (AUR+C)
--	---	---

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
HX3: All Up Round and Canister (AUR+C)	-	71.614	-	-	-	-	-	-	-	-	0.000	71.614
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This funding will transition the Budget Activity (BA) 4 AUR+C activities to a Program of Record within PE 0605232A / Hypersonics EMD.

A. Mission Description and Budget Item Justification

Funds the effort to field an experimental prototype Hypersonic Weapon System with residual combat capability at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations by the end of FY 2023. Initial fielding of all ground support equipment and training canisters, less live rounds, was completed in FY 2021. The Long Range Hypersonic Weapon (LRHW) system will provide the Army a prototype strategic attack weapon system to defeat Anti Access/ Area Denial (A2/AD) capabilities, suppress adversary Long Range Fires, and engage other high payoff/time critical targets. The Army is working closely with the Navy in the development of the LRHW. Common with the Navy, the LRHW system includes a Common Hypersonic Glide Body (CHGB) and common 34.5 inch booster. Additionally, the LRHW will use an existing Command and Control (C2) Network, the Advanced Field Artillery Tactical Data System (AFATDS).

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

	FY 2023	FY 2024	FY 2025
Title: All Up Round and Canister (AUR+C)	71.614	-	-
Description: This effort is the development, purchase of hardware, integration, assembly, test and delivery of the All Up Round and Canister (AUR+C).			
Accomplishments/Planned Programs Subtotals	71.614	-	-

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

N/A

Remarks

D. Acquisition Strategy

The RCCTO has a program level acquisition strategy that will field an experimental prototype Hypersonic Weapons System with residual operational capability NLT FY 2023 at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations. Contractor Logistics Support (CLS) will be provided for one year following the delivery of the first battery. RCCTO uses a combination of Other Transaction Authority's (OTA's) and the Navy Conventional Prompt Strike (CPS) contract with Lockheed Martin. The AUR+C is currently embedded into this strategy as a project. Long lead procurement is required 2 years prior to delivery resulting in a significant ramp up of funding in FY 2021 to meet the FY 2022 manufacturing and FY 2023 fielding requirement. Quick awards of the OTA and Navy CPS contracts ensure procurements are executed with adequate time to execute the funds and program requirements. A SETA contract provides support to the Government Project Office. The PEO M&S transition team is currently embedded within RCCTO to ensure an efficient transition in FY 2024 as a program of record.

UNCLASSIFIED

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

Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
2040 / 4	PE 0604182A / <i>Hypersonics</i>	HX3 / <i>All Up Round and Canister (AUR+C)</i>

The detailed acquisition strategy specific to AUR+C will be defined by PEO M&S to support the follow on AUR+C requirements currently funded in PE 0605232A / Hypersonics Weapon (LRHW), Project HX2.

UNCLASSIFIED

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

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / Hypersonics	Project (Number/Name) HX3 / All Up Round and Canister (AUR+C)
--	---	---

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
Army Canister Deliveries																												
LRHW AUR+C Booster Deliveries																												
JFC-2 Test		▲ 1																										
JFC-3 Test				▲ 2																								
IM/HC Testing																												
LRHW FUI				▲ 3																								

UNCLASSIFIED

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

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX3 / <i>All Up Round and Canister (AUR+C)</i>
--	--	--

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Army Canister Deliveries	1	2023	4	2023
LRHW AUR+C Booster Deliveries	1	2023	4	2023
JFC-2 Test	2	2023	2	2023
JFC-3 Test	4	2023	4	2023
IM/HC Testing	1	2023	2	2023
LRHW FUI	4	2023	4	2023

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army										Date: March 2024		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604182A / Hypersonics				Project (Number/Name) HX4 / Common Hypersonic Glide Body (CHGB)			
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
HX4: Common Hypersonic Glide Body (CHGB)	-	92.589	-	-	-	-	-	-	-	-	0.000	92.589
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This funding will transition the Budget Activity (BA) 4 AUR+C activities to PE 0605232A / Hypersonics EMD.

A. Mission Description and Budget Item Justification

Funds the effort to field an experimental prototype Hypersonic Weapon System with residual combat capability at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations by the end of FY 2023. Initial fielding of all ground support equipment and training canisters, less live rounds, was completed in FY 2021. The Long Range Hypersonic Weapon (LRHW) system will provide the Army a prototype strategic attack weapon system to defeat Anti Access/Area Denial (A2/AD) capabilities, suppress adversary Long Range Fires, and engage other high payoff/time critical targets. The Army is working closely with the Navy in the development of the LRHW. Common with the Navy, the LRHW system includes a Common Hypersonic Glide Body (CHGB) and common 34.5 inch booster. Additionally, the LRHW will use an existing Command and Control (C2) Network, the Advanced Field Artillery Tactical Data System (AFATDS).

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

	FY 2023	FY 2024	FY 2025
Title: Common Hypersonic Glide Body (CHGB)	27.589	-	-
Description: This effort is the development, purchase of the hardware, integration, assembly, test and delivery of the Common Hypersonic Glide Body (CHGB) system for the missile.			
Accomplishments/Planned Programs Subtotals	27.589	-	-

	FY 2023	FY 2024
Congressional Add: Hypersonic Glide Body Risk Reduction	60.000	-
FY 2023 Accomplishments: Furthered efforts executed under FY22 80 \$44,000K "Hypersonic Glidebody Risk Reduction" to purchase additional equipment for Common Hypersonic Glidebody (CHGB) production ramp up, purchased critical spare parts to offset risk for flight tests, improved supplier base and manufacturing capabilities, developed test equipment and continue production engineering effort to make design more affordable.		
Congressional Add: Near Net Shape Materials	5.000	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX4 / <i>Common Hypersonic Glide Body (CHGB)</i>

	FY 2023	FY 2024
FY 2023 Accomplishments: Furthered efforts executed under FY22 80 \$500K Near Net Shape Materials to develop viable long-term alternatives to currently constrained industrial base for Thermal Protection Systems. In addition, this effort also looked to design and produce a prototype part that can validate manufacturing rate, scaling limitations, and mechanical properties.		
Congressional Adds Subtotals	65.000	-

C. Other Program Funding Summary (\$ in Millions)
N/A

Remarks

D. Acquisition Strategy

The RCCTO has a program level acquisition strategy that will field an experimental prototype Hypersonic Weapons System with residual operational capability NLT FY 2023 at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations. Contractor Logistics Support (CLS) will be provided for one year following the delivery of the first battery. RCCTO uses a combination of Other Transaction Authority's (OTA's) and the Navy Conventional Prompt Strike (CPS) contract with Lockheed Martin. The CHGB is currently embedded into this strategy as a project. Long lead procurement is required 2 years prior to delivery resulting in a significant ramp up of funding in FY 2021 to meet the FY 2022 manufacturing and FY 2023 fielding requirement. Quick awards of the OTA and Navy CPS contracts ensure procurements are executed with adequate time to execute the funds and program requirements. A SETA contract provides support to the Government Project Office. The PEO M&S transition team is currently embedded within RCCTO to ensure an efficient transition in FY 2024 as a program of record.

The detailed acquisition strategy specific to CHGB will be defined by PEO M&S to support the follow on CHGB requirements currently funded in PE 0605232A / Hypersonics Weapon (LRHW), Project HX2.

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX4 / <i>Common Hypersonic Glide Body (CHGB)</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
CHGB Deliveries																												
JFC-2 Test	▲ 1																											
JFC-3 Test									▲ 2																			
LRHW FUI									▲ 3																			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX4 / <i>Common Hypersonic Glide Body (CHGB)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
CHGB Deliveries	1	2023	3	2023
JFC-2 Test	2	2023	2	2023
JFC-3 Test	4	2023	4	2023
LRHW FUI	4	2023	4	2023

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army										Date: March 2024		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604182A / Hypersonics				Project (Number/Name) HX5 / Ground Support Equipment (GSE)			
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
HX5: Ground Support Equipment (GSE)	-	95.403	43.435	-	-	-	-	-	-	-	0.000	138.838
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY2024 remaining funding for Program Element (PE) 0604182A / Hypersonics and efforts will transition the Budget Activity (BA) 4 GSE activities to PE 0605232A / Hypersonics EMD.

A. Mission Description and Budget Item Justification

Funds the effort to field an experimental prototype Hypersonic Weapon System with residual combat capability at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations by the end of FY 2023. Initial fielding of all ground support equipment and training canisters, less live rounds, was completed in FY 2021. The Long Range Hypersonic Weapon (LRHW) system will provide the Army a prototype strategic attack weapon system to defeat Anti Access/Area Denial (A2/AD) capabilities, suppress adversary Long Range Fires, and engage other high payoff/time critical targets. The Army is working closely with the Navy in the development of the LRHW. Common with the Navy, the LRHW system includes a Common Hypersonic Glide Body (CHGB) and common 34.5 inch booster. Additionally, the LRHW will use an existing Command and Control (C2) Network, the Advanced Field Artillery Tactical Data System (AFATDS).

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

	FY 2023	FY 2024	FY 2025
Title: Ground Support Equipment (GSE)	95.403	43.435	-
Description: This funding is provided for planning, manufacturing and integration efforts for the Battery Operations Center (BOC), Transporter Erector Launcher (TEL), the Fielding and Transition efforts as well as the overall Systems Integration with the All Up Round and Canister (AUR+C) for the LRHW program.			
FY 2024 Plans: The FY 2024 Base Funding in the amount of \$43.244 million funds the logistics support of the first battery, up to one year after First Unit Issued Declaration. Logistics Support will include maintenance tasks and troubleshooting, sparing, and reach back for engineering support. Logistics Support will include embedded Field Service Representatives (FSRs) and will provide subject matter expertise for the LRHW Prototype Battery on a continuous basis starting at first unit of issue. Base funding allows for logistics support integration efforts to ensure safe and effective operational fielding of the prototype battery. Software development and maintenance to incorporate design changes resulting from test events as well as user feedback.			
FY 2024 to FY 2025 Increase/Decrease Statement: FY25 decrease reflects the transition of the Long Range Hypersonic Weapon (LRHW) program to Program Executive Office (PEO) Missiles and Space within PE 060523A/Hypersonics EMD.			
Accomplishments/Planned Programs Subtotals	95.403	43.435	-

UNCLASSIFIED

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

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX5 / <i>Ground Support Equipment (GSE)</i>
--	--	---

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

N/A

Remarks

D. Acquisition Strategy

The RCCTO has a program level acquisition strategy that will field an experimental prototype Hypersonic Weapons System with residual operational capability NLT FY 2023 at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations. Contractor Logistics Support (CLS) will be provided for one year following the delivery of the first battery. RCCTO uses a combination of Other Transaction Authority's (OTA's) and the Navy Conventional Prompt Strike (CPS) contract with Lockheed Martin. The GSE is currently embedded into this strategy as a project. Funding for long lead items is required 2 years prior to delivery resulting in a significant ramp up of funding in FY 2021 to meet the FY 2022 manufacturing and FY 2023 fielding requirement. Quick awards of the OTA and Navy CPS contracts ensure funding actions are initiated with adequate time to execute the funds and program requirements. A SETA contract provides support to the Government Project Office. The PEO M&S transition team is currently embedded within RCCTO to ensure an efficient transition in FY 2024 as a program of record.

The detailed acquisition strategy specific to GSE will be defined by PEO M&S to support the follow on GSE requirements currently funded in PE 0605232A / Hypersonics Weapon (LRHW), Project HX2.

UNCLASSIFIED

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

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX5 / <i>Ground Support Equipment (GSE)</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
Contractor Logistics Support (CLS)																												
JFC-2 Test																												
JFC-3 Test																												
Delta New Equipment Training																												
LRHW FUI																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX5 / <i>Ground Support Equipment (GSE)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Contractor Logistics Support (CLS)	1	2023	4	2024
JFC-2 Test	2	2023	2	2023
JFC-3 Test	4	2023	4	2023
Delta New Equipment Training	1	2023	1	2023
LRHW FUI	4	2023	4	2023

UNCLASSIFIED

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

Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604182A / Hypersonics				Project (Number/Name) HX6 / Test and Evaluation			
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
HX6: <i>Test and Evaluation</i>	-	39.462	-	-	-	-	-	-	-	-	0.000	39.462
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This funding will transition the Budget Activity (BA) 4 Test and Evaluation activities to PE 0605232A / Hypersonics EMD.

A. Mission Description and Budget Item Justification

Funds the effort to field an experimental prototype Hypersonic Weapon System with residual combat capability at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations by the end of FY 2023. Initial fielding of all ground support equipment and training canisters, less live rounds, was completed in FY 2021. The Long Range Hypersonic Weapon (LRHW) system will provide the Army a prototype strategic attack weapon system to defeat Anti Access/Area Denial (A2/AD) capabilities, suppress adversary Long Range Fires, and engage other high payoff/time critical targets. The Army is working closely with the Navy in the development of the LRHW. Common with the Navy, the LRHW system includes a Common Hypersonic Glide Body (CHGB) and common 34.5 inch booster. Additionally, the LRHW will use an existing Command and Control (C2) Network, the Advanced Field Artillery Tactical Data System (AFATDS).

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

	FY 2023	FY 2024	FY 2025
Title: Test and Evaluation	39.462	-	-
Description: Test and evaluation includes test planning, execution, and analysis of 2 major flight tests. Also provides required support for environmental testing.			
Accomplishments/Planned Programs Subtotals	39.462	-	-

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

N/A

Remarks

D. Acquisition Strategy

The RCCTO has a program level acquisition strategy that will field an experimental prototype Hypersonic Weapons System with residual operational capability NLT FY 2023 at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations. Contractor Logistics Support (CLS) will be provided for one year following the delivery of the first battery. RCCTO uses a combination of Other Transaction Authority's (OTA's) and the Navy Conventional Prompt Strike (CPS) contract with Lockheed Martin. Test is currently embedded into this strategy as a project. Long lead procurement is required 2 years prior to delivery resulting in a significant ramp up of funding in FY 2021 to meet the FY 2022 manufacturing and FY 2023 fielding requirement. Quick awards of the OTA and Navy CPS contracts ensure procurements are executed with adequate time to execute the funds and program requirements. A SETA contract provides support to the Government Project Office. The PEO M&S transition team is currently embedded within RCCTO to ensure an efficient transition in FY 2024 as a program of record.

UNCLASSIFIED

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

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX6 / <i>Test and Evaluation</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
JFC-2 Test		▲1																										
JFC-2 Post Flight Analysis		■																										
JFC-3 Test				▲2																								
LRHW FUI				▲3																								

UNCLASSIFIED

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

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX6 / <i>Test and Evaluation</i>
--	--	--

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
JFC-2 Test	2	2023	2	2023
JFC-2 Post Flight Analysis	2	2023	3	2023
JFC-3 Test	4	2023	4	2023
LRHW FUI	4	2023	4	2023