

**UNCLASSIFIED**

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

<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605611M / <i>MC AVS Development &amp; Demonstration</i>
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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	327.207	86.926	103.236	60.181	-	60.181	45.290	15.906	2.990	3.053	Continuing	Continuing
0025: <i>Amphibious Combat Vehicle Family of Vehicles</i>	327.207	86.926	103.236	60.181	-	60.181	45.290	15.906	2.990	3.053	Continuing	Continuing

**Program MDAP/MAIS Code:**  
**Project MDAP/MAIS Code(s):** P472

**Note**

The program funding transitioned from Program Element 0603611M Marine Corps Assault Vehicles to Program Element 0605611M MC AVS Development and Demonstration as the program proceeds through the acquisition process.

In an Acquisition Decision Memorandum (ADM) dated 8 Jan 2019, ASN(RD&A) authorized the Program Executive Officer, Land Systems (PEOLS) to combine the Amphibious Combat Vehicle (ACV) 1.1 and ACV 1.2 programs into a single ACV Family of Vehicles (FOV) that continues the phased development and procurement approach. Accordingly, program resources for the merged program will be depicted in Project Unit 0025 for FY 2021 and beyond and program resources budgeted for ACV 1.2 in fiscal years FY 2019 through FY 2020 will continue to be shown in Project Unit 0026. In an ADM dated 12 Jul 2019, ASN(RD&A) authorized a third lot of LRIP consisting of 56 vehicles and directed that acquisition documentation reflecting this change should be updated as part of the Full Rate Production (FRP) Milestone Decision approval process.

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

This is a CMC Force Design program. ACV provides protected mobility to otherwise dismounted infantry formations and enables littoral maneuver from ship-to-shore and from shore-to-shore. Equipped with modern communications systems and weapons for infantry support-by-fire, the ACV significantly improves the ability of Fleet Marine Forces to access, seize, and hold key maritime terrain in the execution of Expeditionary Advanced Base Operations. The Amphibious Combat Vehicle is imperative to realizing Marine Corps requirements for Fleet Marine Force 2030. The capability to project power from the sea ensures joint freedom of maneuver against increasingly sophisticated area denial and anti-access strategies across the range of military operations in areas vital to our national interest. To this end, an ACV creates operational and tactical options through rapid maneuver on sea and land, provides for the seamless transition of combat power from sea to land, enables rapid response to crisis, enables the introduction of joint follow-on forces and can impose disproportionate costs on our enemies who must extend their defenses. This program has delivered the initial capability of Personnel variants (ACV-Ps) in Nov 2020 and is on track to deliver the initial capability of Command variants (ACV-Cs) in 2Q FY 2024, Improved Lethality variants (ACV-30s) in 3Q FY 2026, and Recovery variants (ACV-Rs) in 1Q FY 2028.

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<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605611M / <i>MC AVS Development &amp; Demonstration</i>
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<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	91.501	103.236	60.456	-	60.456
Current President's Budget	86.926	103.236	60.181	-	60.181
Total Adjustments	-4.575	0.000	-0.275	-	-0.275
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-1.269	0.000			
• SBIR/STTR Transfer	-3.306	0.000			
• Program Adjustments	0.000	0.000	-11.515	-	-11.515
• Rate/Misc Adjustments	0.000	0.000	11.240	-	11.240

**Change Summary Explanation**

No significant change in FY 2025 funding from Previous President's Budget.

The project level decreased from FY 2024 to FY 2025 by \$43.055M, this is attributed to completion of ACV-30 Phase IV design and development, completion of the majority of incremental funding for ACV-R Phase II design and development, and completion of ACV-R PRTVs in FY 2024.

FY 2025 full funding supports the program ability to perform the following:

- Complete DT&E, OT&E, and LFT&E for ACV-30;
- Complete ACV-R Phase II design and development plus ACV-R prime contractor test support;
- Initiation of design activities for ACV FOV training systems for the Procedural/Trouble Shooting Task Trainer (PTST), Part Task Trainer (PTIRT), Electronic Classroom/Interactive Courseware (EC/ICW), and ACV-30 Gunnery Systems Trainer;
- Initiate and Complete the ACV-30 Logistics Demonstration efforts;
- Initiate ACV-R DT&E/LFT&E.

Year-to-year changes by cost element are explained in greater detail in the R-2A and R-3.

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

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605611M / MC AVS Development & Demonstration	<b>Project (Number/Name)</b> 0025 / Amphibious Combat Vehicle Family of Vehicles
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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
0025: Amphibious Combat Vehicle Family of Vehicles	327.207	86.926	103.236	60.181	-	60.181	45.290	15.906	2.990	3.053	Continuing	Continuing
Quantity of RDT&E Articles	42	-	3	-	-	-	-	-	-	-		

**Project MDAP/MAIS Code:** P472

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

This is a CMC Force Design program. The Amphibious Combat Vehicle (ACV) replaces the legacy Assault Amphibious Vehicle (AAV) battalions within the Marine Divisions. ACV-equipped Amphibious Assault (AA) companies will provide protected mobility and general support lift to elements of Marine Infantry Battalions. The ACV, an advanced generation, eight-wheeled armored personnel carrier, will mitigate current and projected capability gaps by providing improved lethality against dismounted enemy troops, more effective land and water tactical mobility, and increased force protection and survivability from blast, fragmentation, and kinetic energy threats.

ACV was structured to be executed in multiple increments, with the first increment designed to provide an initial operational capability of personnel carriers (ACV-P). Subsequent increments were planned to provide additional personnel carriers and to develop Mission Role Variants (MRVs), such as command and control (ACV-C), improved lethality (ACV-30), and tactical recovery capabilities (ACV-R). In an Acquisition Decision Memorandum (ADM) dated 8 Jan 2019, ASN(RD&A) authorized the program office to combine the ACV 1.1 and ACV 1.2 programs into a single ACV Family of Vehicles (FOV) that continues the phased development and procurement approach.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<b>Title:</b> Product Development	72.720	88.620	29.818	0.000	29.818
<b>Articles:</b>	3	3	-	-	-
<b>Description:</b> System Design and Development; Engineering and Manufacturing Development (EMD) test vehicle manufacturing; prime contractor Developmental and Operational test support, and development of Logistics Management Information (LMI) data.					
<b>FY 2024 Plans:</b>					
<ul style="list-style-type: none"> <li>- Complete ACV-30 Phase IV design and development.</li> <li>- Complete build of three (3) ACV-30 PRTVs.</li> <li>- Continue ACV-30 prime contractor test support.</li> <li>- Initiate ACV-R Phase II design and development activities.</li> <li>- Initiate build of three (3) ACV-R PRTVs.</li> </ul>					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605611M / MC AVS Development & Demonstration	<b>Project (Number/Name)</b> 0025 / Amphibious Combat Vehicle Family of Vehicles

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
<p>- Initiate ACV-R prime contractor test support.</p> <p><b>FY 2025 Base Plans:</b></p> <ul style="list-style-type: none"> <li>- Complete ACV-30 prime contractor test support.</li> <li>- Continue ACV-R Phase II design and development activities.</li> <li>- Complete build of three (3) ACV-R PRTVs.</li> <li>- Continue ACV-R prime contractor test support.</li> </ul> <p><b>FY 2025 OCO Plans:</b> N/A</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> The decrease in Product Development from FY 2024 to FY 2025 is primarily attributed to completion of ACV-30 Phase IV design and development, completion of incremental funding for ACV-30 PRTVs in FY 2024, and completion of incremental funding for ACV-R PRTVs in FY 2024. Funding in FY 2025 includes completion of incremental funding for ACV-R Phase II design and development plus ACV-R prime contractor test support.</p>					
<p><b>Title:</b> Program Support</p> <p align="right"><b>Articles:</b></p>	7.097	4.044	19.811	0.000	19.811
<p><b>Description:</b> Government labor, material, and travel for Integrated Logistics Support, Technical Publications, Support Equipment development, In-house Technical Support, and Program Management Support.</p> <p><b>FY 2024 Plans:</b></p> <ul style="list-style-type: none"> <li>- Complete Engineering Support for communication suite integration efforts.</li> <li>- Complete Remote Weapons Station/Common Remotely Operated Weapons Station (CROWS) support.</li> <li>- Continue Human Systems Integration (HSI) Support.</li> <li>- Complete ACV-30 government engineering and maintenance and technical support. These efforts will transition from RDT&amp;E to PMC in FY 2025 when ACV-30s begin procurement.</li> <li>- Continue Training Devices and Coordination analyses.</li> </ul> <p><b>FY 2025 Base Plans:</b></p> <ul style="list-style-type: none"> <li>- Initiate and complete activities for ACV-30 Logistics Demonstration effort.</li> <li>- Initiate design and development activities for ACV FOV electronic training systems.</li> <li>- Initiate activities for ACV FOV technical manual verification.</li> <li>- Complete Human Systems Integration (HSI) Support.</li> </ul>	-	-	-	-	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy				<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 1319 / 5		<b>R-1 Program Element (Number/Name)</b> PE 0605611M / MC AVS Development & Demonstration		<b>Project (Number/Name)</b> 0025 / Amphibious Combat Vehicle Family of Vehicles		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>						
- Continue Training Devices and Coordination analyses.						
<b>FY 2025 OCO Plans:</b> N/A						
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> The increase in Program Support from FY 2024 to FY 2025 is primarily attributed to initiation of design activities for ACV Training Devices and Simulators, initiation and completion of ACV-30 Logistics Demonstration effort, and technical manual verification following completion of ACV-30 logistics demonstration effort.						
<b>Title:</b> Test & Evaluation						
<b>Articles:</b>						
		5.832	8.693	9.182	0.000	9.182
		-	-	-	-	-
<b>Description:</b> Governmental Developmental Test & Evaluation (DT&E), Operational Test & Evaluation (OT&E), and Live Fire Test and Evaluation (LFT&E) activities.						
<b>FY 2024 Plans:</b>						
- Initiate ACV-30 DT&E activities.						
- Initiate ACV-30 OT&E activities.						
- Initiate ACV-30 LFT&E activities.						
- Initiate and complete ACV-R DT&E test preparation and planning activities.						
- Initiate and complete ACV-R OT&E test preparation and planning activities.						
- Initiate and complete ACV-R LFT&E test preparation and planning activities.						
<b>FY 2025 Base Plans:</b>						
- Complete ACV-30 DT&E activities.						
- Complete ACV-30 OT&E activities.						
- Complete ACV-30 LFT&E activities.						
- Initiate ACV-R DT&E activities.						
- Initiate ACV-R OT&E activities.						
- Initiate ACV-R LFT&E activities.						
<b>FY 2025 OCO Plans:</b> N/A						
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b>						

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<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605611M / MC AVS Development & Demonstration	<b>Project (Number/Name)</b> 0025 / Amphibious Combat Vehicle Family of Vehicles

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
The increase in Test & Evaluation from FY 2024 to FY 2025 is primarily attributed to initiation of ACV-R LFT&E test efforts in FY 2025.					
<b>Title:</b> Management Services  <b>Description:</b> Contract Advisory and Assistance Services (Engineering and Technical Support, Management Support Services, and Studies and Analyses) for all variants of ACV FOV.  <b>FY 2024 Plans:</b> - Continue force protection modeling and simulation activities for ACV-30. - Continue engineering and drafting reviews for ACV-R. - Continue force protection modeling and simulation activities for ACV-R. - Continue hydrodynamic support for all variants.  <b>FY 2025 Base Plans:</b> - Continue hydrodynamic support for all variants. - Complete force protection modeling and simulation activities for ACV-30. - Complete force protection modeling and simulation activities for ACV-R. - Complete engineering and drafting reviews for ACV-R.  <b>FY 2025 OCO Plans:</b> N/A  <b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> The decrease in Management Services from FY 2024 to FY 2025 is attributed to reduced engineering and technical support services from the Nevada Automotive Test Center (NATC) for ACV-R in FY 2025.	1.277	1.879	1.370	0.000	1.370
<b>Articles:</b>	-	-	-	-	-
<b>Accomplishments/Planned Programs Subtotals</b>	86.926	103.236	60.181	0.000	60.181

<b>C. Other Program Funding 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>	<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>
• PMC/2025: Amphibious Combat Vehicle Family of Vehicles	518.513	557.564	810.276	-	810.276	794.645	80.494	60.587	53.761	Continuing	Continuing
• PMC/7000/ACV FoV: Spares and Repair Parts ACV FoV	21.127	20.657	21.146	-	21.146	21.512	0.000	0.000	0.000	Continuing	Continuing

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605611M / MC AVS Development & Demonstration	<b>Project (Number/Name)</b> 0025 / Amphibious Combat Vehicle Family of Vehicles

**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>
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**Remarks**

**D. Acquisition Strategy**

The program office awarded two competitive Engineering and Manufacturing Development (EMD) contracts to two vendors to build 16 vehicles each (32 total). The program entered the acquisition cycle at Milestone B in FY 2016 and down-selected to one vendor at Milestone C in 3Q FY 2018; the program entered into Low Rate Initial Production (LRIP) at Milestone C with approval for two Lots of LRIP.

In an Acquisition Decision Memorandum (ADM) dated 8 Jan 2019, ASN(RD&A) authorized the program office to combine the ACV 1.1 and ACV 1.2 programs into a single ACV Family of Vehicles (FOV) that continues the phased development and procurement approach.

In an ADM dated 12 Jul 2019, ASN(RD&A) authorized a third lot of LRIP consisting of 56 vehicles and directed that acquisition documentation reflecting this change shall be updated as part of the Full Rate Production (FRP) Milestone Decision approval process. LRIP Lot 3 was broken into two lots (3A for 30 vehicles/3B for 26 vehicles) due to the Continuing Resolution. The production contract included competitively priced options for the development phase through FRP Lot 1.

Initial Operational Test and Evaluation (IOT&E) commenced 3Q FY 2020 and completed in 4Q FY 2020. The Full Rate Production (FRP) decision scheduled for 4Q FY 2020 slipped 2 months due to COVID-19 impacts and completed in 1Q FY 2021; FRP Lot 1 awarded on schedule in 1Q FY 2021. Similar to LRIP Lot 3, FRP Lot 1 was broken into two lots (1A for 36 vehicles/1B for 36 vehicles) due to the Continuing Resolution. Preliminary Design Review (PDR) for ACV-30 completed in May 2021 and Critical Design Review (CDR) completed in May 2022. ACV-30 Production Readiness Test Vehicles (PRTVs) are scheduled to be delivered 2QFY24 and will go immediately into testing. ACV-30 is the only variant produced in FY 2025 and FY 2026; ACV-R will be produced in FY 2027 and is currently unfunded. PDR for ACV-R completed Feb 2023 and CDR completed in Sep 2023. PRTVs for ACV-R will be ordered 2QFY24.

Beginning in FY 2022, the program is now beyond the competitively priced options for production which ended with FRP Lot 1 and had to negotiate additional priced options for FRP Lots 2-4 with the OEM. FRP Lot 2 was broken into three lots (2A for 33 ACV-P vehicles/2B for 36 ACV-P vehicles/2C for 14 ACV-C vehicles) due to the Continuing Resolution. Critical Design Review for ACV-30 completed 2Q FY 2022. FRP Lot 3 was broken into three lots (3A for 30 ACV-P vehicles, 3B for 27 ACV-P vehicles, and 3C for 17 ACV-C vehicles) due to the Continuing Resolution. FRP Lot 4 was broken into two lots (4A for 40 ACV-P vehicles, 4B for 40 ACV-P vehicles) due to the Continuing Resolution. The program is currently negotiating options for FRP 5-6 for ACV-30; once design completes for ACV-R, additional options will be negotiated for production for FRP Lot 7.

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

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605611M / MC AVS Development & Demonstration	<b>Project (Number/Name)</b> 0025 / Amphibious Combat Vehicle Family of Vehicles
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<b>Product Development (\$ 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>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
System Design & Development	C/FPIF	BAE Systems : Sterling Heights, MI/ York, PA	214.963	72.720	Jan 2023	88.477	Jan 2024	27.972	Jan 2025	-		27.972	Continuing	Continuing	Continuing
Other Product Development	C/FFP	NIWC : New Jersey/ Charleston/Picatinny	11.875	0.000		0.143	Jan 2024	1.846	Jan 2025	-		1.846	Continuing	Continuing	Continuing
<b>Subtotal</b>			226.838	72.720		88.620		29.818		-		29.818	Continuing	Continuing	N/A

**Remarks**  
 -The decrease in System Design and Development from FY 2024 to FY 2025 is primarily attributed to completion of ACV-30 Phase IV design and development, completion of incremental funding for ACV-30 PRTVs in FY 2024, and completion of incremental funding for ACV-R PRTVs in FY 2024. Funding in FY 2025 includes completion of incremental funding for ACV-R Phase II design and development plus ACV-R prime contractor test support.  
 - The increase in Other Product Development from FY 2024 to FY 2025 is attributed initiation of integration and evaluation activities for the Active Protection System.

<b>Support (\$ 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>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Integrated Logistics Support	WR	Various : Various	1.517	0.006	Apr 2023	0.000		0.562	Apr 2025	-		0.562	Continuing	Continuing	Continuing
Technical Data & Pubs Development	WR	NSWC CD : Carderock, MD	0.553	0.000		0.715	Apr 2024	1.406	Apr 2025	-		1.406	Continuing	Continuing	Continuing
In-House Technical Support	WR	Various : Various	16.171	2.721	Apr 2023	1.769	Apr 2024	0.076	Apr 2025	-		0.076	Continuing	Continuing	Continuing
Training Devices/ Simulators	WR	NAWC : Orlando, FL	1.028	4.368	Apr 2023	0.610	Apr 2024	17.767	Apr 2025	-		17.767	Continuing	Continuing	Continuing
Travel	Various	Various : Various	2.245	0.002	Apr 2023	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Support Equipment	Various	Various : Various	0.281	0.000		0.950	Apr 2024	0.000		-		0.000	Continuing	Continuing	Continuing
<b>Subtotal</b>			21.795	7.097		4.044		19.811		-		19.811	Continuing	Continuing	N/A

**Remarks**  
 - The increase in Integrated Logistics Support from FY 2024 to FY 2025 is attributed to conduct of ACV-30 Logistics Demonstration.  
 - The increase in Pubs and Tech Data from FY 2024 to FY 2025 is attributed to technical manual verification following completion of ACV-30 logistics demonstration effort.

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

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605611M / MC AVS Development & Demonstration	<b>Project (Number/Name)</b> 0025 / Amphibious Combat Vehicle Family of Vehicles
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<b>Support (\$ 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			
- The decrease in In-House Technical support from FY 2024 to FY 2025 is primarily attributed to completion of efforts such as technical and programmatic support for ACV-30 which transition from RDT&E to the Procurement appropriation in FY 2025 once the ACV-30 variant begins production. - The increase in Training Devices and Simulators from FY 2024 to FY 2025 is primarily attributed to initiation of design activities for ACV FOV training systems for the Procedural/Trouble Shooting Task Trainer (PTST), Part Task Trainer (PTIRT), Electronic Classroom/Interactive Courseware (EC/ICW), and ACV-30 Gunnery Systems Trainer which initiate in FY 2025. - The decrease in Support Equipment from FY 2024 to FY 2025 is attributed to completing procurement of ACV-R Unique Support Equipment and Tool Sets to support testing.															

<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			
Developmental Test & Evaluation (DT&E)	WR	Various : Various	0.385	5.516	Jan 2023	4.587	Jan 2024	3.761	Jan 2025	-		3.761	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	Various : Various	28.209	0.000		0.000		0.000		-		0.000	0.000	28.209	-
Operational Test & Evaluation (OT&E)	WR	MCOTEA : Quantico,VA	0.976	0.000		2.344	Jan 2024	0.404	Jan 2025	-		0.404	Continuing	Continuing	Continuing
Prior Year Operational Test & Evaluation Not Funded FYDP (PYOT&E)	WR	MCOTEA : Quantico,VA	14.410	0.000		0.000		0.000		-		0.000	0.000	14.410	-
Live Fire Test & Evaluation (LFT&E)	WR	Various : Various	0.688	0.316	Apr 2023	1.762	Apr 2024	5.017	Jan 2025	-		5.017	Continuing	Continuing	Continuing
Prior Year Live Fire Test & Evaluation Not Funded FYDP (PYLFT&E)	WR	Various : Various	16.317	0.000		0.000		0.000		-		0.000	0.000	16.317	-
<b>Subtotal</b>			60.985	5.832		8.693		9.182		-		9.182	Continuing	Continuing	N/A

**Remarks**

- The decrease in DT&E from FY 2024 to FY 2025 is primarily attributed to the completion of DT&E test efforts for ACV-30 in FY 2025.
- The decrease in OT&E from FY 2024 to FY 2025 is primarily attributed to the completion of OT&E test efforts for ACV-30 in FY 2025.
- The increase in LFT&E from FY 2024 to FY 2025 is primarily attributed to the initiation of LFT&E test efforts for ACV-R in FY 2025.

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

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605611M / MC AVS Development & Demonstration	<b>Project (Number/Name)</b> 0025 / Amphibious Combat Vehicle Family of Vehicles
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<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			
Engineering & Technical Services	Various	Various : Various	7.104	1.070	Mar 2023	1.613	Mar 2024	1.104	Mar 2025	-		1.104	Continuing	Continuing	Continuing
Management Support Services	Various	Various : Various	10.485	0.207	Mar 2023	0.266	Mar 2024	0.266	Mar 2025	-		0.266	Continuing	Continuing	Continuing
Studies and Analyses	TBD	TBD : TBD	0.000	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
<b>Subtotal</b>			17.589	1.277		1.879		1.370		-		1.370	Continuing	Continuing	N/A

**Remarks**  
- The decrease in Engineering and Technical Services from FY 2024 to FY 2025 is attributed to reduced engineering and technical support services from the Nevada Automotive Test Center (NATC) for ACV-R in FY 2025.

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	327.207	86.926	103.236	60.181	-	60.181	Continuing	Continuing	N/A

**Remarks**  
Full funding in FY 2025 supports the program ability to complete DT&E, OT&E, and LFT&E for ACV-30 production, and complete ACV-R Phase II design and development activities which are on the critical path to achieving production in FY 2026, plus the DT&E/LFT&E efforts needed to analyze and assess the system prior to production. Initiation of design and development for ACV FOV training systems in FY 2025 is critical to get operational units trained and ready to operate the new system.

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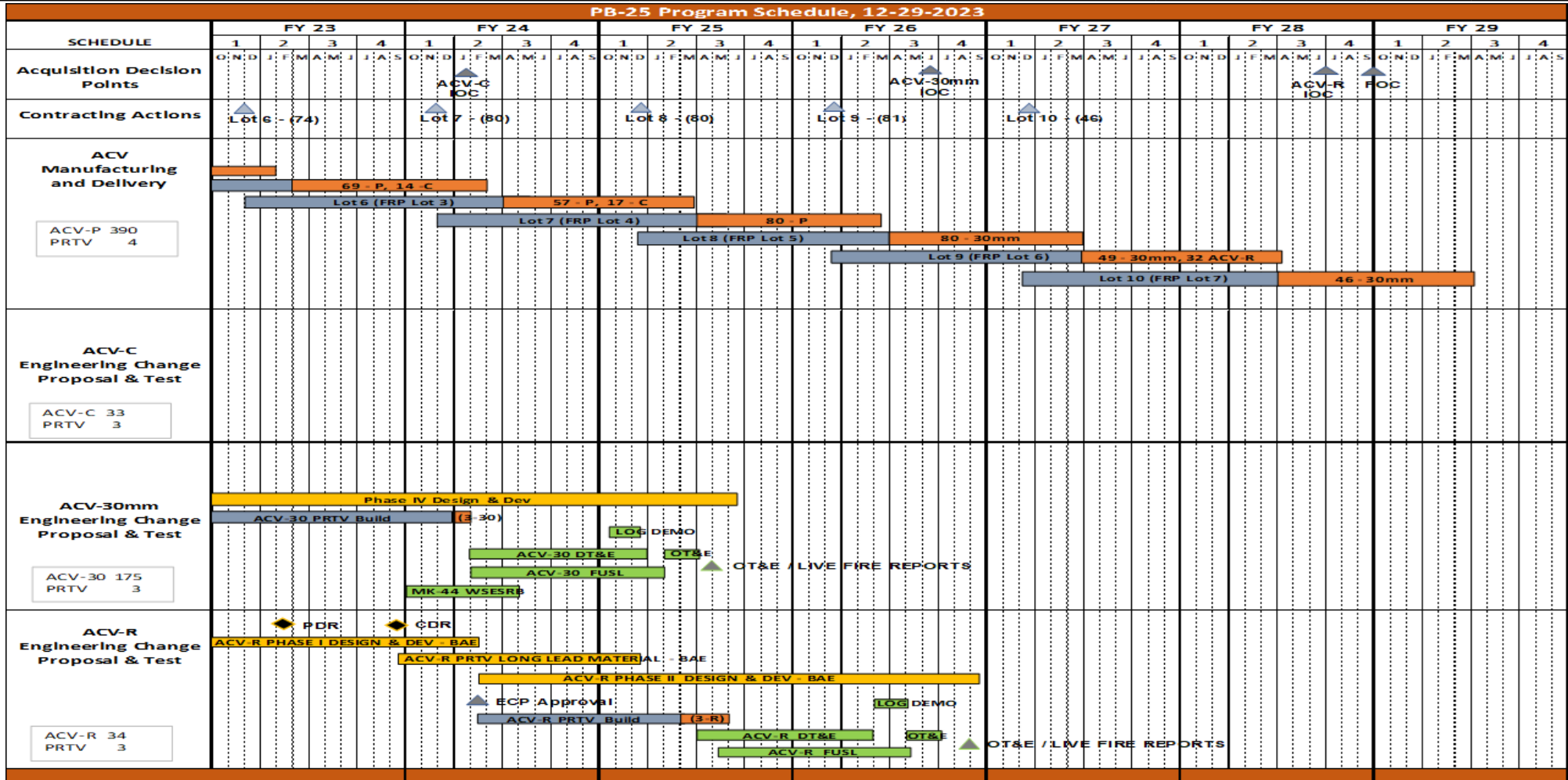
Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy

Date: March 2024

Appropriation/Budget Activity  
1319 / 5

R-1 Program Element (Number/Name)  
PE 0605611M / MC AVS Development & Demonstration

Project (Number/Name)  
0025 / Amphibious Combat Vehicle Family of Vehicles



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<b>Exhibit R-4A, RDT&amp;E Schedule Details: PB 2025 Navy</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605611M / MC AVS Development & Demonstration	<b>Project (Number/Name)</b> 0025 / Amphibious Combat Vehicle Family of Vehicles

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 0025</b>				
ACV-30 Phase IV: PRTV Build	1	2023	2	2024
FRP Lot 3 (overall Lot 6) Option Exercise	1	2023	1	2023
ACV-30 DT&E, OT&E and LFT&E	2	2024	2	2025
FRP Lot 4 (overall Lot 7) Option Exercise	1	2024	1	2024
ACV-30 Logistics Demo	1	2025	1	2025
ACV-R Phase I Design & Development	1	2023	2	2024
ACV-R Preliminary Design Review (PDR)	2	2023	2	2023
ACV-R Critical Design Review (CDR)	4	2023	4	2023
ACV-R Phase II PRTV Build & Test	2	2024	4	2026
ACV-R DT&E, OT&E, and LFT&E	3	2025	4	2026
ACV-R Logistics Demo	2	2026	3	2026