

Amphibious Combat Vehicle (ACV)







Col Tim Hough Program Manager Advanced Amphibious Assault 29 April 25











Program Manager Advanced Amphibious Assault (PM AAA)



Mission

Provide and support amphibious combat capabilities that enable our Marines to win.

Program Status

Acquisition Phase: Production and Deployment Phase including design and development efforts

Capabilities:

- Ship-to-Shore from 12 nm
- Future variants include Command & Control, 30mm Cannon, and Recovery

Risks/Opportunities:

• Lower than anticipated readiness and long lead times for spares negatively impacting readiness

Program Description

- Full replacement for the legacy AAV in the Marine Division's Assault Amphibian Battalions
- Maneuvers the surface assault elements of the landing force and their equipment from assault shipping during amphibious operations
- Provides support to seven standing MEUs and Force Design
- A Family of Vehicles program comprised of four variants

Key Events & Focus Areas

- ✓13 Nov 20: Initial Operating Capability (IOC) P Variant
- ✓ 8 Dec 20: Full Rate Production Decision
- ✓ 8 Oct 24: IOC Command & Control Variant
- ✓ 4QFY24: Fielded Driver's Training System
 - 3QFY26: IOC 30mm Cannon Variant
 - 1QFY28: IOC Repair & Recovery Variant
- New Equipment Training Team (NETT) 2.0
- Transition Training Unit (TTU)
- Proficiency
- Testing



Amphibious Combat Vehicle FoV



ACV Variants

- ACV-P (Personnel IOC 2020)
 - Carries up to 13 embarked troops during amphibious operations from ship to shore and to inland objectives; has a remote weapon station that supports a MK-19 or 50 cal
- ACV-C (Command IOC 2024)
 - Provides a mechanized task force combat operations center; supports C2 of the ground-based assault forces in the MAGTF during ship to shore operations and to inland objectives. Carries up to 7 embarked battle staff and has a medium machine gun for vehicle defense.
- ACV-30 (30mm Cannon IOC 2026)
 - ACV-30 provides a medium caliber weapon system that is optimized towards infantry support but includes lethality up to the ability to destroy adversary armored vehicles. Supports dismounted maneuvers while embarking 8 infantry Marines.
- ACV-R (Repair/Recovery IOC 2027)
 - Recovers similar or smaller size vehicles and carries basic maintenance equipment to provide field support maintenance to vehicles in the field











ACV Suite of Training Systems



- Electronic Classroom (EC)
- Diagnostic Task Trainer
- Part Task Trainer
- Crew Gunnery Trainer (CGT)
- ACV Driver's Training System (DTS)



Electronic Classroom – Operator & Maintenance Trainer



Diagnostic Task Trainer



ACV Driver's Training System (DTS)



Crew Gunnery Trainer (CGT)



PM AAA Modernization Plan



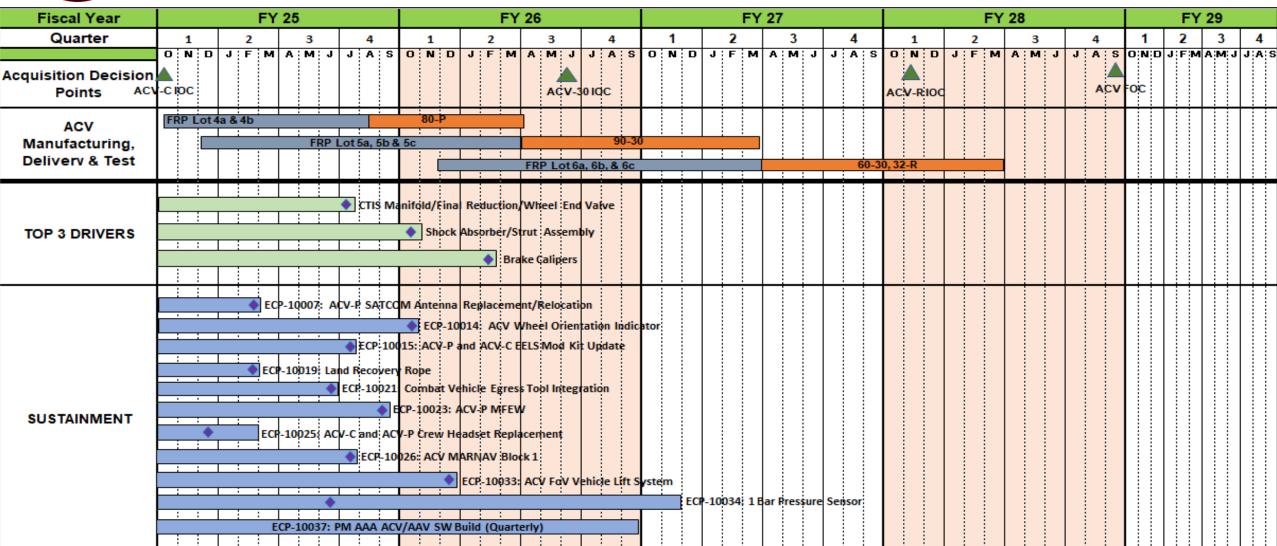
- Areas where industry can assist PM AAA efforts
 - Shoot
 - Increase lethality support to infantry with increased accuracy for call-for-fire missions
 - Improved fire control system autonomous tracking algorithm to improve target tracking and engagement performance
 - Increased sensing and processing for threat awareness, target prioritization, and engagement
 - Move
 - Water propulsion and control provide directional thrust control to increase water mode maneuverability, responsiveness, and speed
 - Increase driver proficiency in surf zone environments
 - Driver aides and crew situational awareness for both land and water operations increase vehicle safety in challenging terrain
 - Increased automation of driver tasks
 - Communicate
 - Intercom capability improvements for the crew
 - Carry
 - Environmental control system improvement
 - Noise reduction
 - Protect
 - Counter UAS and overhead protection



Sustainment & Readiness Schedule



Sustainment (w/ Top 3 Drivers)

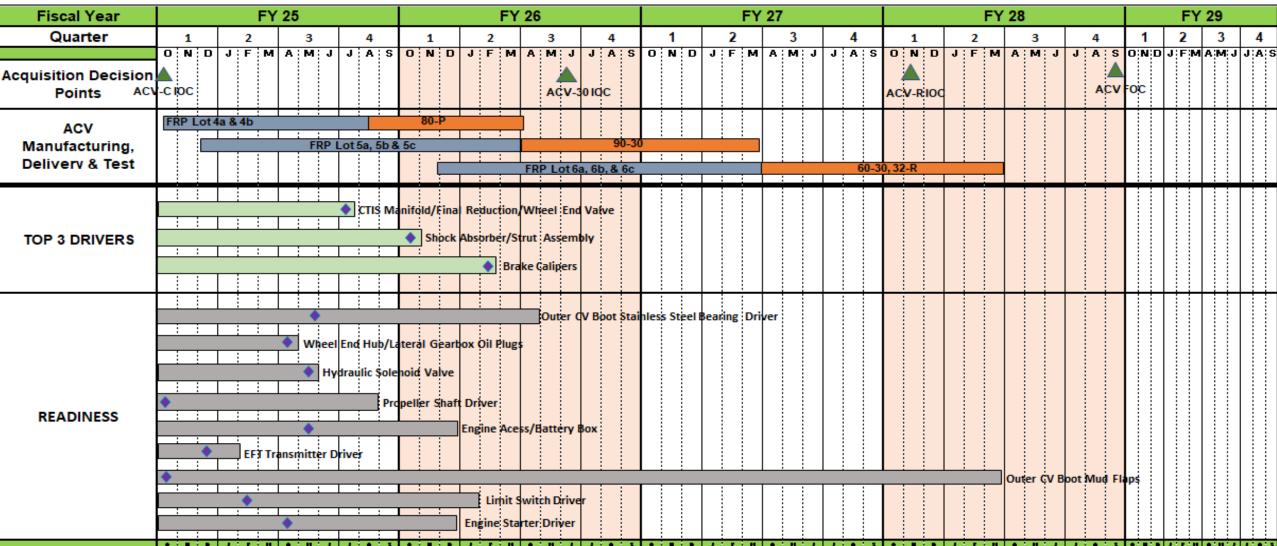




Sustainment & Readiness Schedule



Readiness (w/ Top 3 Drivers)

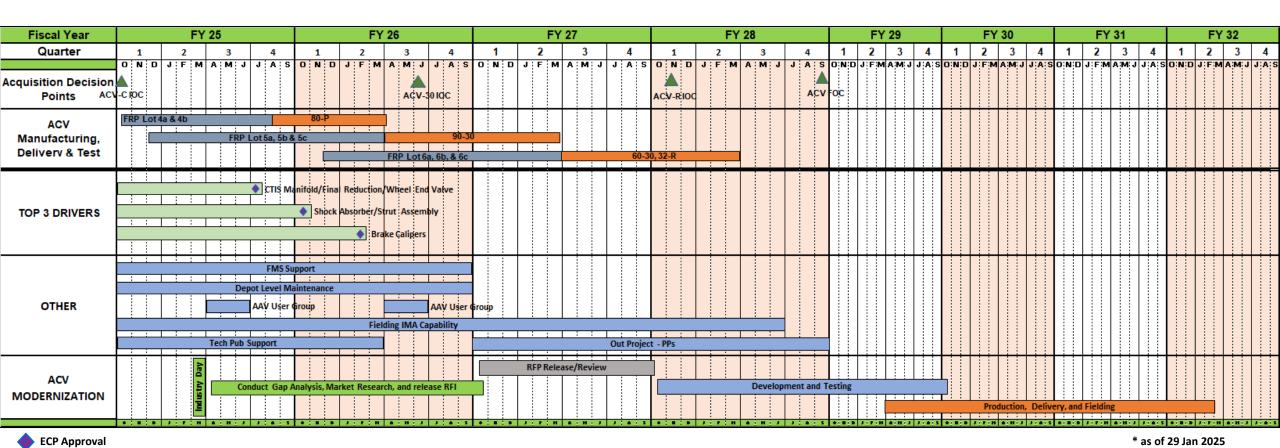




Sustainment & Readiness Schedule

Other/Modernization (w/Top 3 Drivers)







PM AAA Opportunities



Title	Planned RFP
ACV Suite of Training Systems including maintenance trainers, operator trainers, digital classrooms, and an increment 2 of the driver training system	1QFY25
AAV FoV FMS support, spare parts / support equipment, and new equipment training	1QFY25

- Initial Modernization Strategy developed
 - Develop and field solutions for readiness drivers, improve performance, leverage advancing technology, and counter evolving threat that range across all ACV essential functions
 - Prioritization and project scoping underway
 - FY24&25 Anticipate focused RFI's supporting market surveys on specific items and capabilities that range across all ACV essential functions
 - Define acquisition approach informed by RFI responses and S&T developments leading to initial RFPs in FY26
 - Development and production starting in FY27



Questions





