Armored Reconnaissance Vehicle (ARV)

Notional Acquisition Strategy

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Steve Myers
Program Manager, Light Armored Vehicles
Marine Corps Systems Command
The ARV program will leverage the output of the ONR S&T program including the technology demonstration effort, Whole System Trade Study, and Industry IR&D

Acquisition Strategy will be informed by:
- Results of technology demonstration and trade study efforts
- Requirements generation
- Programmed funding
- Higher headquarters' direction
Assumptions

▲ Program enters the acquisition lifecycle at Milestone (MS) B
▲ Production quantity is estimated at 500 vehicles for purposes of developing cost and schedule estimates
▲ All technologies proposed for EMD will be high Technology Readiness Level (TRL) to support integration and testing
▲ Contractors will not require an extended ramp up for development and building of EMD vehicles
▲ Expected to be an ACAT IC program with an estimated Initial Operational Capability (IOC) 4QFY27
▲ Focused on providing a "base vehicle" capable of meeting evolving threats via open systems architecture and sufficient Size, Weight, & Power (SWAP) to accommodate future growth
ARV Program Initiation

▲ Request for Information (RFI):
  – Survey potential interest based on acquisition strategy, schedule, etc.
  – Soliciting questions on acquisition strategy

▲ Industry Day:
  – In person brief on acquisition strategy to determine industry interest in ARV and respond to questions
  – Refinement of acquisition strategy and soliciting questions

▲ RFP Generation and Release:
  – Leveraging information from RFIs, Industry Days, and draft RFP postings

▲ Key Events
  – 1<sup>st</sup> RFI 4QFY18
  – 1<sup>st</sup> Industry Day 2QFY19
  – 2<sup>nd</sup> RFI 1QFY20
  – 2<sup>nd</sup> Industry Day 3QFY20
  – 3<sup>rd</sup> Industry Day 1QFY21
  – RFP release 3QFY21
▲ Upon MS B decision to proceed into EMD:
  – Source selection will be executed
  – Award of two or more development contracts with production options

▲ Each selected contractor will develop ten vehicles for testing
  – Eight for Performance, Reliability, and Operational Assessment
  – Two for destructive Live Fire Assessment

▲ Key Events
  – MS B 4QFY21
  – EMD Contract Award 3QFY22
  – Vehicle delivery complete 4QFY23
  – Testing/OA complete 3QFY25
ARV Production and Deployment

▲ Down-select to single contractor at MS C after testing and operation assessments

▲ Low Rate Initial Production (LRIP) #1 producing 25 vehicles
  – Supporting Production Verification Testing, Live Fire, Initial Operational Test & Evaluation, Initial Operational Capability (IOC) fielding

▲ LRIP #2 procuring another 25 vehicles to fill out IOC fielding

▲ Decision to continue into Full Rate Production (FRP) dependent on test results/reports

▲ Overall production quantity estimated at 500 vehicles including LRIPs

▲ Key Events
  – Down select / MS C 4QFY25
  – LRIP begins 1QFY26
  – IOC 4QFY27
  – FRP begins 1QFY28
  – Full Operational Capability (FOC) 3QFY32
Take Aways

▲ ARV requires Industry IR&D investment and engagement from today forward
▲ Be ready to respond to RFIs and participate in Industry Days
▲ Provide comments on draft RFP
▲ Be ready for EMD phase execution

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