Research, Development, and Acquisition Overview

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DASN Expeditionary Warfare
Agenda

• ASN RDA Role
• Major Capabilities In the Acquisition Pipeline
• Characteristics of Future Capabilities
• ASN RDA Comments To Industry
• ASN RDA Leadership & Management Initiatives
• Q&A Session
ASN RDA Role

• The Navy Research, Development, and Acquisition Team, in partnership with industry, which serves the Nation by developing, acquiring, and supplying technologically superior and affordable systems for the Navy, Marine Corps, Joint, and Allied forces.
# DASN RDA OVERSIGHT

<table>
<thead>
<tr>
<th><strong>ACAT DESIG</strong></th>
<th><strong>CRITERIA</strong></th>
<th><strong>MDA</strong></th>
</tr>
</thead>
</table>
| **ACAT 1**     | Major Defense Acquisition Program (MDAPs) (10 USC 2430)  
- RDT&E Total Expenditure > $365M or Procurement > $2.19B  
- USD(AT&L) designation as special interest | ACAT 1D: USD(AT&L)  
ACAT 1C: SECNAV, or delegated, ASN(RD&A) as CAE |
| **ACAT 1A**    | Major Automated Information Systems (MAISs)  
- Program costs/year (all approps) > $32M, or Total program costs > $126M  
- Total life cycle costs > $378M  
- ASD(NII) designation as special interest | ACAT IAM:  
ASD(NII)/DoD CIO  
ACAT IAC: ASN(RD&A) as delegated by the DoD CIO |
| **ACAT II**    | Does not meet the criteria for ACAT I  
Major Systems (10 USC 2303(5))  
- RDT&E > $140M or PMC > $660M  
- ASN(RD&A) designation as special interest  
- Not applicable to IT system programs | ASN(RD&A), or the individual designated by ASN(RD&A) |
<table>
<thead>
<tr>
<th>ACAT</th>
<th>PROGRAM TITLE</th>
<th>FY09 ($K)</th>
<th>FY10-13 TOTAL ($K)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACAT I:</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>ACAT ID</td>
<td>Expeditionary Fighting Vehicle (EFV)</td>
<td>0</td>
<td>1,117,199</td>
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<tr>
<td>ACAT IC</td>
<td>Medium Tactical Vehicle Replacement (MTVR)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ACAT IAC</td>
<td>Common Aviation Command and Control System (CAC2S)</td>
<td>49,339</td>
<td>149,396</td>
</tr>
<tr>
<td>ACAT IAM</td>
<td>Global Combat Support System - Marine Corps (GCSS-MC)</td>
<td>28,240</td>
<td>25,299</td>
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<tr>
<td>ACAT ID</td>
<td>Mine Resistant Ambush Protected Vehicle (MRAP) *</td>
<td>77,579</td>
<td>1,291,894</td>
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<tr>
<td><strong>ACAT I SUBTOTAL</strong></td>
<td></td>
<td></td>
<td></td>
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<td><strong>ACAT II:</strong></td>
<td></td>
<td></td>
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<tr>
<td>ACAT II</td>
<td>LW-155</td>
<td>2,669</td>
<td>5,399</td>
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<td>ACAT II</td>
<td>Logistics Vehicle System Replacement (LVSR)</td>
<td>306,230</td>
<td>549,178</td>
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<tr>
<td>ACAT II</td>
<td>USMC CREW Systems</td>
<td>12,932</td>
<td>52,711</td>
</tr>
<tr>
<td>ACAT II</td>
<td>Ground/Air Task Order Radar (G/ATOR)</td>
<td>17,440</td>
<td>460,431</td>
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<td><strong>ACAT II SUBTOTAL</strong></td>
<td></td>
<td>339,271</td>
<td>1,067,719</td>
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<td><strong>ACAT I &amp; ACAT II GRAND TOTAL</strong></td>
<td></td>
<td>416,850</td>
<td>2,359,613</td>
</tr>
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</table>

* No PR-09 baseline funding
FY09 Investment

Total: 1,468,191

1,051,341

339,271

77,579

ACAT I
ACAT II
Other
Investment Over FYPD

Total: 5,677,797

- ACAT I: 3,318,184
- ACAT II: 1,067,719
- FYDP-OTHER: 1,291,894
Air Programs in Pipeline

MV-22 OSPREY

CH-53K

F-35B JSF

UH-1Y
Ground Tactical Capabilities

- MRAP
- EFSS/ITV
- HIMARS
Ground Tactical Capabilities

- EFV

JLTV Family

MPC
Future Capabilities

• Capabilities Generation Process

• Characteristics of Capabilities
Future Capability Process

Capabilities Futures
Concepts to Requirements

Combat Developer
MCCDC

Materiel Developer
SYSCOMs/PEOs

Technology Developer (S&T)
ONR

R&D and Acquisition

Plan & Execute S&T

Technology Transition

S&T Objectives (STOs)
Characteristics of Future Capabilities

- Light
- Interoperable
- Innovative Materials
- Full spectrum: Low Intensity to High Combat Operations
- SECNAV/CMC Surface Lift Analyses
Comments To Industry

• Legislative Environment
  – Deliver What You Propose On Schedule
    • Realistic Assessments of Engineering Required
    • Importance of Accurate Cost and Schedule Estimates

• OSD Policy
  – Testing
  – Competition Mandates Through SDD
  – Earned Value Management System (EVMS)

• Latent Impact of Acquisition Reform on SE
Comments to Industry

- Rigorous Systems Engineering Practices
  - Integrated Master Plan/Integrated Master Schedules are Key

- Cost Management
  - Realistic Cost Estimates
  - Meet Contracted Delivery Schedules
ASN RDA Initiatives

• Gate Reviews
  – Milestone A Emphasis

• Probability of Program Success (POPS)
DON Requirements/Acquisition Two-Pass/Six-Gate Process with Phase Development of System Design Specification (illustrated example for program initiation at Milestone B)

** DON CIO pre-certification, Investment Review Board certification, and Defense Business System (DBS) Management Committee approval prior to obligation of funding for a DBS program when cost > $ 1 million

Last Update: 9 JAN 08
Program Health

Pre-Milestone B
Date of Review: 30 Apr 2008

Program Success
(84)

Acquisition Program Planning
11/13
Cost/Schedule/ Performance
N/A
Contractor/ Developer Perform.
N/A
Program Risk Assessment 2/4
Sustainability Risk Assessment 4/4
Testing Status/Risk 4/5
Technical Maturity 2/4
Software

DOD Vision 5/5
Naval Vision 5/5

Warfighter
Congress
OSD
Joint Staff
Navy Support
Industry
International

Program Fit/ Vision 10/10

Program Planning/ Execution 23/30

Budget 7/10
Manning 3/3
Industry Resources 5/5
Contractor/ Developer Health 2/2

Program Status 19/25
Program Requirements 19/25

Program Resources 17/20

Program Scope Evolution 9/10

LEGENDS
Colors:
G: On Track, No/Minor Issues
Y: On Track, Significant Issues
R: Off Track, Major Issues
Gray/Hashed: Not Rated/Not Applicable

Asterisk on metric indicates rebaseline: N/A for this review

Trends:
Up Arrow: Situation Improving – N/A for this first review
Down Arrow: Situation Deteriorating – N/A for this first review
(number): Risk Score (based on 100 possible)

Rebaselines Since Last Milestone (0)
Last Rebaseline Date: N/A
Program Life Cycle Phase: Pre-Milestone B

PMS
Potential ACAT II
PM:
ASN RDA Initiatives

- SECNAV Corporate Reviews
  - Executive Level Exchanges
  - Change In Business Culture
Questions

• Questions and Answers