

# *DoD Maintenance Symposium*

## *Acquisition Program Assessments: Implications to Maintenance*

Michael Carpenter  
Program Management Lead  
DoD Corrosion Policy and Oversight Office

15 November 2010



# Overview

- Background on Reviewing Acquisition Programs
- What I Look For
- Key Areas Where Maintenance Needs to “Speak Up”



# Background on Reviewing Acquisition Programs

- Program Support Reviews
  - Conducted by the Systems Engineering (SE) group in OSD/AT&L
    - Generally accomplished at all Milestones on ACAT ID Programs
    - Reviews health of the program from SE standpoint
- Systems Engineering Plan (SEP)
  - Also accomplished by SE group in OSD/AT&L
    - Reviews adequacy of SE approach generally at Milestones on ACAT ID programs
- Acquisition Strategy Reviews
  - Accomplished on ACAT ID programs by AT&L



# What I Look For

- User Requirements Documents – any user requirements for corrosion prevention/control
  - Typically there are none – closest thing to CPC reqmt is KPP: Materiel Availability and/or Design Life, KSA: Total Ownership Cost
- Contract Language and Data Deliverables (CDRL)
  - Is CPCP required? Gov't approved item? Is it in the data list to be delivered (CDRL)?
  - Incentives for contractor to deliver a corrosion resistance system
- System specification
  - What specifics are required by the gov't in development of the system?



# What I Look For (con't)

- Does the gov't have a CPCP; is a CPAT active?
  - The CPCP should reflect the planning the program has done to establish a corrosion program; should lead to contract language and conduct of the CPCP during system acquisition
  - The CPAT is the gov't led body that should be doing the CPC planning, which then gets reflected in the CPCP
- How will the program conduct regarding CPC:
  - CPC Management
  - Design
  - Manufacturing
  - Test
  - Maintenance
  - Data delivery



# Key Areas Where Maintenance Needs to “Speak Up”

- First and Foremost – REQUIREMENTS, REQUIREMENTS, REQUIREMENTS
  - Establishing derived requirements from KPPs/KSAs is not as effective as direct requirements for CPC implementation in a requirements document .
- Ask hard questions during program development about how CPC is being implemented
  - This will likely require some education (galvanic corrosion, protection and coating systems, dissimilar metals, etc.)



# Conclusions

- Corrosion is a significant maintenance and readiness issue
  - Nearly one quarter of all maintenance costs
    - \$23.5 Billion in DoD maintenance costs per year
  - Currently working how to quantify the availability impact
- User requirements need to be a major focus for improvement
- Awareness, education, knowledge, focus in acquisition programs key



# Q&A

