Strategic & Critical Materials Information Data Gathering

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Bottom Line Up Front

• A DoD centralized information or data collection repository/system that identifies, at the part or item level, the composition, use, or application of strategic and critical materials does not exist.

• Knowing tactical material requirements is critical for effective strategic material planning.
DLA Strategic Materials

- A part of Defense Logistics Agency
- Operational component of the National Defense Stockpile (NDS)
- Under the authority of: The Strategic And Critical Materials Stock Piling Act (50 U.S.C. 98 et seq.) hereafter the Act
Current Situation

• NDS Mission per the Act
  – “…provide for the acquisition and retention of stocks…”
  – “…determine..(1) which materials are strategic and critical..and(2) the quality and quantity..and form…”
  – “…submit to Congress a report on stockpile requirements..”

• On going material assessments and studies

• Assumptions
  – Know what material(s) are being used where and to what extent
  – Use modeling given different scenarios
  – Use information system(s) available
Available Information Systems

- Federal Logistics Information System (FLIS)
  - Managed by DLA Information Services
  - Listing of items assigned a National Stock Number (NSN)
  - Old system with limited capabilities
  - Difficult to update
  - No Strategic/Critical material identification code
  - Item material field
    - Blank
    - Not Adequate
    - Not current

- Government Industry Data Exchange Program (GIDEP)
  - Evolving program established in late 1950s
  - Focus on Systems not parts/items

- Commercial systems/programs
  - Largely dependent on information/data from FLIS
Test Samples

• Air Force Strategic Material Recovery Recycle Program (SMRRP)
  – Tinker AFB Pilot Program
  – Material recovered from excess aircraft engines and components
  – 196 NSN identified
  – 68 had material information
  – 20 specific (AMS, ASTM, etc.) material information

• Mine Resistant Armor Protected (MRAP)
  – 43,868 NSN all variants
  – Approximately 10% with specific (AMS, ASTM, etc.) material information
Impacts

• Non-compliance with intent of DoD 4140.1-R
  – DoD Supply Chain Material Management Regulation
  – C3.6.1.1. “The loss or impending loss of manufacturers of items or suppliers of items or raw materials…”

• Unknown weapon system vulnerabilities due to strategic/critical material shortages.

• Inability to recover or recycle material.

• Potential dependence of foreign sources of supply.

• Inefficient weapon system life cycle management.
What is DLA Strategic Materials doing?

• Conducting research to:
  – Identify the magnitude of the problem
  – Investigate opportunities to collaborate with other DoD or Government Agencies
  – Develop potential work around or alternative solutions

• Continue to conduct material assessments and studies.
QUESTIONS?

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