Revolutionizing Environment, Safety, and Occupational Health (ESOH) in Systems Engineering to Meet Rapid Prototyping/Fielding Under the Middle Tier of Acquisition

25 October 2018

Presented to: NDIA Conference (Tampa Bay, Florida)

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ESOH in History

• ESOH Compliance

• National Environmental Policy Act / Executive Order 12114

• Safety and Occupational Health

• Hazardous Materials

• Pollution Prevention

• Energy

• Disposal
Challenges

- Sustainable Infrastructure
- Training
- Rapid ESOH
Path Forward

- ESOH Acquisition Coordination and Documentation
- ESOH Compliance
- National Environmental Policy Act / Executive Order 12114
- Hazardous Materials Management Program (HMMP)
- Pollution Prevention (P2)
- Safety and Occupational Health
- Energy
- Disposal

Defined and Measurable
- Roles and Responsibilities
- Levels of Expertise
- Products
- Training
Develop Training and Certification

- Common and specialized
- Progression of skills
- Career certifications
- Measureable
Efficiency Tools

NEPA/EO 12114 Team

- Centralized data for programs across NAVAIR supported by the Team
- Reduces data call response time
- Assists with identifying data gaps for efficient document production

HMMP/P2 Team

Hazardous Material Information Tool

- CAS: 108-10-1
- Name: Methyl Isobutyl Ketone (MIBK), 4-Methyl-2-pentanone
- Material on Platform:
  - Production Model
  - Outside Wing Panel Kit: 0.91, 0.00, 0.00, 0.00
  - Aerial Refueling Kit: 0.00, 0.00, 0.00, 0.00
  - INSURAT: 0.00, 0.00, 0.00, 0.00
- HAZMAT Category: Restricted
- HAZMAT Group: Restricted
- Applicable Legislation:
  - U.S. Legislation:
    - NAVAIR CoCL
    - NAS 411-1
    - Section 302
    - Section 313
    - 40 CFR 302.4
  - International Legislation:
    - RoHS
    - REACH Authorization List
- Uses: Used as a solvent for paints, varnishes, coatings, and adhesives
- Exposure Risk: Inhalation and skin exposure health hazard
- Disposal:
Rapid ESOH

ESOH Coordinator

NEPA/EO 12114

HMMP/P2

ESOH Compliance
2017 Chief of Naval Operations Environmental Awards: Environmental Excellence in Weapon System Acquisition – Large Program

Questions