DoD Acquisition ESOH IPT Panel:
Challenges and Opportunities
October 26, 2016

- "Rapid" "Agile" "Interoperable"
  - Past: ESOH is a barrier in big A acquisition
  - Future: ESOH is critical to rapid design and agile, interoperable forces

- Changing focus of global environmental policies
  - Past: Installation waste/emission control
  - Future: Engineering and logistics chemical/material control

- Building ESOH requirements in JCIDS
  - Past: Other system attributes – programmatic
  - Future: Technology readiness and measurable thresholds/objectives

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Host Nation and Regional Environmental Regulations

- Compliance required
- DoDI 4715.05 "validated budgetary requirements"
- Coordination between regional environmental principals and local J-3/J-4 building final governing standards
- Participation by acquisition/logistics in comparative legal review

Environmental and Acquisition Policy

- "Validated budgetary requirements" = "must fund" – year of execution?
- POM = 2 years + RDTE + production = non-compliance
    - Do nothing?
    - Send maintenance CONUS?
    - Hope we do not get caught?
- Epilogue of risk
    - Multiple configurations?
    - Standardization?
    - Interoperability?

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- Examples of ESOH capability
  - Non-lethal systems – threshold and objective for lethality
  - Refrigerant flammability
    - Technology readiness of commercial solutions
    - Flammability threshold – charge size dependent
    - Toxicity threshold – neat agent and pyrolytic by-products
  - Contingency basing
    - Technology readiness for deployed systems
    - Waste management and energy production thresholds
- Possible path forward – capability based assessments
    - Identifying ESOH as capability objectives
    - Identifying technology needs and development timeframes

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