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*DCGS-N*

*Distributed Common Ground System  
- Navy*



*PEO/SYSCOM  
Conference*

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# *Program Challenges*

- **Programmatic**
  - Open business model allowing continuous incorporation of best of breed capability
  - Develop industry relationships to support Service-Oriented Architecture
  - Break barriers between Programs of Record (POR) and Services for Joint compatibility
- **Technological**
  - Build a scalable, modular architecture to support continuous incremental improvement in core warfighting
  - Allow adaptation of workflows to counter adversaries' evolving tactics
  - Develop core services to facilitate information transfer and collaboration in decision making
  - Transition existing systems to support SOA
  - Provide compatible and interoperable interface with real-time combat systems
- **Cultural**
  - Develop a culture of workflow innovation and experimentation that the architecture will support
  - Accessibility of data, product, information etc. to intra/inter domain enclaves
- **Operational**
  - Develop Joint CONOPS to guide development of enterprise workflows
  - Develop Reach-back Concept of Employment between enterprise nodes
  - Iterative experimentation and testing with fleet operators



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# *Enterprise Governance Challenges*

- **Programmatic Alignment**

- Independent POR's exist as a Community of Interest but primary focus remains on optimization of individual programs
- Schedules are driven by available funding and commitments to another program falls into second place when budget cuts emerge
- Enterprise wide budgeting process becomes very complex

- **Engineering**

- Enterprise Architecture(s) are generally formulated from the bottom up
- Compliance validation to a set of Enterprise wide Standards is undefined/evolving
- Well meaning and necessary security features are barriers to maximizing Enterprise operations (at present)

- **Logistics**

- CM of Services and Work Flows requires continuous management and Joint participation
- Training for Enterprise wide operations adds complexity to traditional approaches

- **Test and Evaluation**

- Traditional DT/OT methods may be too costly, too rigid as they exist; need to evolve with everything/everyone else
- Changes and additions in capabilities by one Program may require FOT&E in another. How do we bound and quantify operational risk?

*These are Challenges not Obstacles*