Tasks Completed:

- Developed outline for final report (18NOV)
- Researched and identified project direction and scope (18NOV)
  - DoD System to interface land, air, and sea systems
  - Minimum 2 interactive services for each system
- Developed initial draft Executive Summary and Introduction (18NOV)
- Developed initial schedule (18NOV)
- SOA Implementation Risks Management (18NOV)
- Finalize scope of project – Services, Constraints, Deliverables (04DEC)
- Create and maintain terms and keywords document (Draft Version) (04DEC)
- Choose project name (04DEC)
- Completed Intro - Challenges/strategies, Benefits of SOA & ROI (04DEC)
- Added References section (04DEC)
- Updated Executive Summary (04DEC)
- Researched DoD SOA Standards – Added to Section 3 (04DEC)
- Developed System Overview Diagram (04DEC)
Tasks Remaining:

Doug:
- Research cost estimation of project (draft)
- Minimum System Requirements (Appendix A)

Matt:
- Develop project schedule (draft) & Convert schedule into Microsoft Project Chart
- Re-format references to IEEE format
- Implementation Phases (Planning & Modeling)

Leedra:
- Implementation Phases (Building & Deploying)
- Add table of contents
- Software Inventory Vendors (Appendix B)

All:
- Choose standards and model services

Finalized project scope & direction:

Universal Communication Translator (UCT) – Interface Land, Air, Sea comm. sys.

3 Services – Encryption, Communication, and Transportation
Challenges of UCT System:

1. Large volumes of transactions require significant resources, both technical and functional, to administer
2. Security is difficult and complex to implement when software components dynamically exchange information globally
3. Initial development of SOA components can be protracted and lead to a high up-front cost (Funding Issues)
4. Performance may not be as good as with more tightly coupled interfaces

Benefits of UCT System:

1. Helps realize a greater ROI...
   Reduces costs associated with software development by leveraging existing assets
   Reduces risk through the re-use of proven services
2. Reduces redundancy of systems
3. Eases future interoperability
4. Increases communication capabilities
Constraints and Limitations (System):

ALL DoD Systems must comply with the Department of Defense Information Technology Standards Registry (DISR) which mandates the minimum set of standards and guidelines for the acquisition of DoD systems that produce, use, or exchange information

Preliminary Choice: SOAP, WSDL, UDDI

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Services and Applications Description:

1. Communication Service - Interface between UCT & communication systems
2. Encryption Service – Provides secure communication
3. Transportation Service – Routes communications between air / ground / sea

* Each service will be a deliverable along with UCT Architecture
Project Focus:

Cost Estimation, Schedule, Implementation Phases

Then,

Model / Design 3 Services & Architecture

Questions?