

# **Logistics Working Group**

**Report to the ANT P/I Meeting  
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# Overview

## ■ Goals

- Explore synergy opportunities
- Plan for characterization and evaluation

## ■ Candidate application consumers

- CACE ACTD, COL Curren
- SPAWAR
- Joint Strike Fighter
- SUP21 ...

# Understanding Application Opportunities

## ■ Explore opportunities in CACE

### – ISI multi-phase plan: growing coverage

- Flight scheduling: pilots, missions, aircraft
- Aircraft Resumes: deeper missions, aircraft
- Mission-sensitive maintenance: missions, maintenance ops
- Automated Service and Parts Exchange Net: deeper maintenance ops

### – Other areas of opportunity

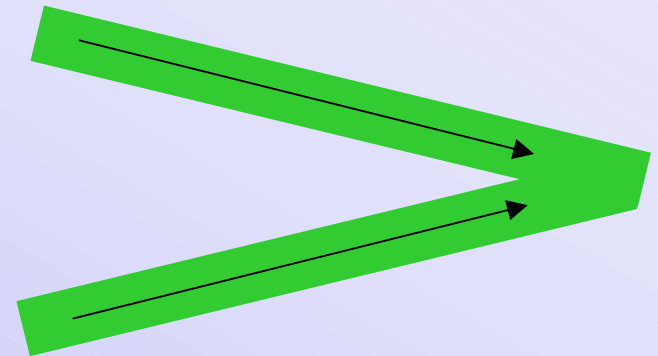
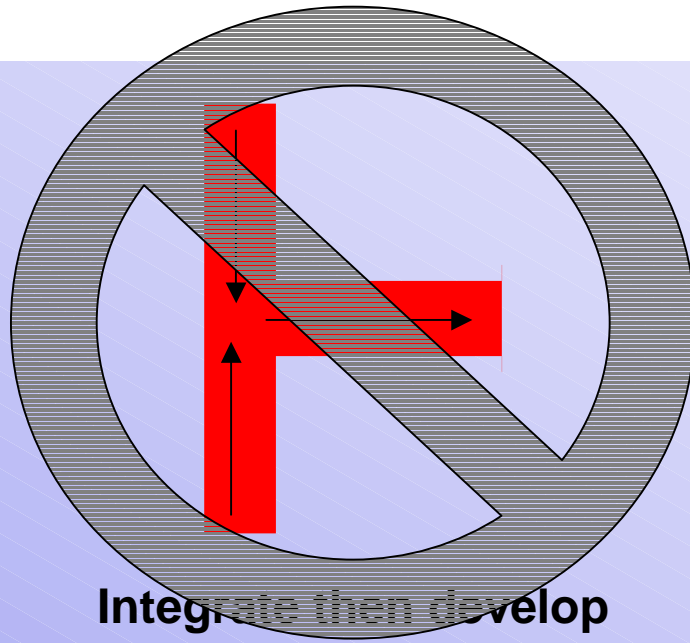
- ODO Assistant
- Deployment Planning
- Depot Management
- Others TBD...

# Open Technical Issues

- Comparison of approaches
  - Short-term: defer to Ontology WG
  - Long-term: understand common architecture
- Emergent issue:
  - User interfaces, interactive control and participation
  - Systems are built to serve people
  - Emergent behavior needs to be controllable
  - System behavior needs to be understandable

# Collaboration Approach

**Technical  
Integration**



**Migrate**

## **Steps**

- **Help players identify promising applications**
- **Strive for initial integration through shared data**
- **Understand cross-system agent interaction issues**
- **Apply lessons learned toward common architecture**

# Action Items

- Familiarization of new players with CACE
  - ISI providing documentation
  - CACE program management doing same
  - Vanderbilt/MIT/NC/Boeing to meet with CACE
- Establishment of ongoing cooperation
  - Management Sciences established Log Team area in collaborative Team Room
  - Ongoing meetings and discussions
- Workshops