Research & Development

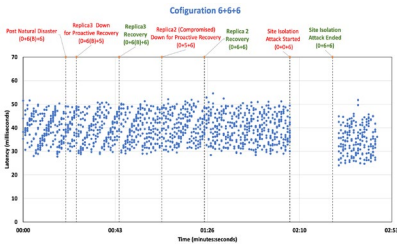# SUPPLY CHAIN MANAGEMENT & SUSTAINABILITY (SCM-S)

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OBJECTIVE

The Supply Chain Management & Sustainability (SCM-S) Program anticipates, assess, and identifies solutions to meet current and future Warfighter requirements by leveraging R&D to infuse innovation into the DoD supply chain and sustainability efforts.

🔗 SUPPLY CHAIN RESILIENCE

Critical enablers of network and supply chain resilience
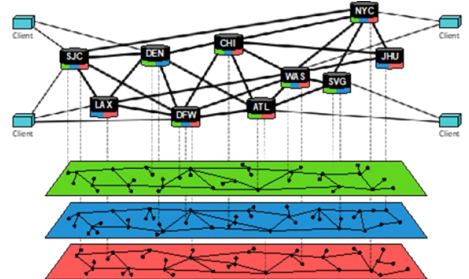

📋 EMERGENT REQUIREMENTS

Rapid and agile responses to emergent needs

⟲ REVERSE LOGISTICS

Disposition and recycling efficiencies

INNOVATION & TECHNOLOGY

- Intrusion-tolerant overlay network guarantees timely message delivery despite physical failures and attacks in the underlying network(s) and the overlay itself.

STRATEGIC THRUSTS

Incorporate emerging technologies to improve DLA supply chain resilience

Explore supply chain greening to support sustainability efforts

Support the modernization of the DoD Supply Chain

THE CHALLENGE

Given the constant change in threats and requirements, the Supply Chain Management & Sustainability (SCM-S) program's challenge is having the agility, flexibility, and resources to anticipate, assess, and identify new methodologies to meet current and future Warfighter requirements

THE SOLUTION

The SCM-S program leverages R&D to infuse innovation into the DoD supply chain and sustainability efforts.

WARFIGHTER READINESS

THE BENEFITS

Harmonize labor & automation

- Eliminate Dull-Dirty-Dangerous work at DLA

   o *Develop risk-mitigating solutions to minimize physical injuries and property damages*

   o *Implement Excess to Disposal (E2D) Business Cycle*

- Resilient C2 in contested logistics

- Safe and cost-effective end-of-life disposition/recycling capabilities

- Rapidly respond to shifting worldwide events to support operations in remote locations

INDUSTRY AND WHOLE OF GOVERNMENT PARTNERSHIPS

- **MILITARY SERVICES**
- **MAJOR SUBORDINATE COMMANDS**
- **NATIONAL LABORATORIES**
- **GEOGRAPHIC COMBATANT COMMAND**
- **OFFICE OF THE SECRETARY OF DEFENSE**
- **MANUFACTURING INSTITUTIONS**

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ACCOMPLISHMENTS & ONGOING EFFORTS

- Improve cost and safety of disposition operations

- Bolster DLA's ability to rapidly respond to worldwide events

- Integrate sustainment and supply chain risk management early in the product's lifecycle

- Intrusion Tolerant systems for DLA installations

   o Resiliency against severe compound and adaptive threats

   o Custom protocols without needing to modify the underlying network(s)

   o Customized protocols to make use of general-purpose computing resources (processing & memory) and global state in the middle of network

   o Seamlessly leverage multiple underlying networks for enhanced resilience