

USTRANSCOM Participation in CCDoTT Projects 1995 – 2003

Research findings available online at www.ccdott.org

2003 Program Elements

Agile Ports and Terminal Systems:

- Pacific Northwest Agile Port System Demonstration Plan.

2002 Program Elements

Agile Ports and Terminal Systems:

- Hazardous Material Detection and Technology Assessment and Demonstration.

Decision Support Tools:

- Transportation Internet Portal Development Phase II – Feasibility Demonstration.
- Command and Control Decision Community, Part 1 (AT21 – TransViz).
- Command and Control Decision Community, Part 2 (AT21 – TransViz).

2001 Program Elements

Agile Ports and Terminal Systems:

- TrAMS: Automating Hazardous Materials Documentation for Military Shipments.
- Efficient Marine Terminal (EMT) Demonstration – Management, Implementation and Analysis with Port of Tacoma.

Rapid Deployment Technologies:

- Cargo, Equipment Tracking and Identification Technology Demonstration: Container Seal Technologies and Processes.

Command and Control Technologies:

- CCDoTT/USTRANSCOM Command and Control Program Broad Vision, Software Design and Functional Prototype (AT21 – TransViz).

2000 Program Elements

Agile Ports and Terminal Systems:

- Transportation Automated Measurement System (TrAMS).
- Agile Port Conceptual Design and Development – Regional Assessment.
- Efficient Marine Terminal (EMT) Demonstration Plan with Port of Tacoma.

High-Speed Sealift Technologies:

- Examination of Advanced Hullform and Propulsion System Options for Fast Military Sealift Innovation Cell.

Rapid Deployment Technologies:

- Cargo Equipment Tracking and Identification Demonstrations: Chassis Tag Location.

Command and Control Technologies:

- Transportation Internet Portal (TIP) Development.

1998 Program Elements

Agile Ports and Terminal Systems:

- Advanced Material Handling-Automatic Guidance of Vehicles in Agile Ports.
- Real Time Testing and Verification of Loading and Unloading Algorithms Using Grid Rail (GRAIL).
- Demonstration and Commercialization of Direct Access Rail to Ship (DARTS) Intermodal Transfer, Chassis Positioning and Robotics.
- Identification Technical Workshop for Freight Applications.
- Efficient Marine Terminal (EMT) Full Scale Demonstration Requirements.
- Technical Evaluation and Cost Analysis of Port Operations in Remote Areas.

High-Speed Sealift Technologies:

- High Speed Ship Technology Briefing at University of Alabama.
- High Speed Sealift Platform Evaluation and Analysis.
- Very High-Speed Sealift Trimaran (VHSST) Concept Development.

Rapid Deployment Technologies:

- Combat Projection and Force Sustainment by Sea-Based Port.
- European Cargo and Equipment Tracking Demonstration.
- Operational Concept Document for Command Center of the Future (CCF).

1997 Program Elements

Agile Ports:

- Transportation Automated Measurement System (TrAMS).
- Global Agile Port Review.
- Global Definition of Port Agility.
- Select and Evaluate State of the Art Cargo Handling Technologies.
- Comparison of Attributes and Characteristics of Strategic Ports to Agile Port Models.
- Economic Models of Agile Port and Intermodal Transfer Configuration.
- Marine Rail-Interface (Inland Port Concept Demonstration).
- Technical Evaluation and Cost Analysis of Port Operations in Remote Areas.
- Improved Methods of Airlift/Sealift Cargo Handling - Load-By-Wire.

High Speed Sealift:

- High Speed Sealift Technology Briefing.
- High Speed Sealift Technology Workshop.
- High Speed Ship Market/Economic Issues Meeting.
- High Speed Sealift Technology Workshop Brief-out.
- Potential DOD Use of Commercial High-Speed Sealift.
- Overview-Potential DOD Use of Commercial High-Speed Sealift (2000-2010).

Program Management and Technical Oversight:

- CCDoTT Strategic Plan and Technical Roadmap.

1995-1996 Program Elements

- Fast Ship – Agile Port Operational Concept Document.
- Advanced Technologies for Transportation Technical Report.
- Command and Control Technical Report/Simulation.
- Cargo Identification Technical Report/Demonstration.
- Equipment Evaluation/Design.
- High Speed Sealift/Agile Port Project Plan.
- Full Scale Model Cargo Measuring System.