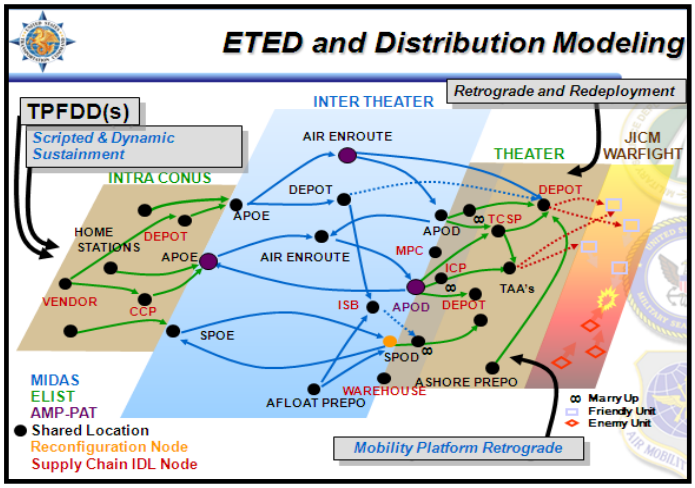
USTRANSCOM Science and Technology

End-To-End Deployment and Distribution Model (ETEM)



Project Summary: The primary focus of this project is to develop, integrate and deploy a mode and port selection scheduling algorithm prototype that provides for the optimization of force and sustainment movements and enables studies and analyses; planning; and the execution of highly complex global transportation and sustainment problems. The deliverable is a prototype mode selection scheduling algorithm, using commercial best practices, than can be employed and transitioned into the Analysis of Mobility Platform's (AMP) strategic model to create optimal transportation schedules that minimize cargo and passenger lateness and reduce modeling runtimes of complex scenarios supporting joint collaborative analysis.

Return on Investment: Development and use of the ETEM prototype for analyzing deployment and distribution business processes and emerging concepts will enable, through experimentation and analysis, innovative improvements to the JDDE. It is envisioned that the implementation of ETEM will increase the effectiveness of the analysts using the USTRANSCOM models and increase the number of studies completed in a year.

Duration of project: FY11-13

Participants: USTRANSCOM's Joint Distribution Process Analysis Center (JDPAC)

Project advocacy (funding or otherwise): USTRANSCOM – JDPAC/TCJ6

Transition: ETEM will transition to a government modeling system (AMP) that is used as the primary model of record for the DOD analytic agenda supporting programmatic analysis.

USTRANSCOM POC office code: TCJ5/4-TT/618-229-1437