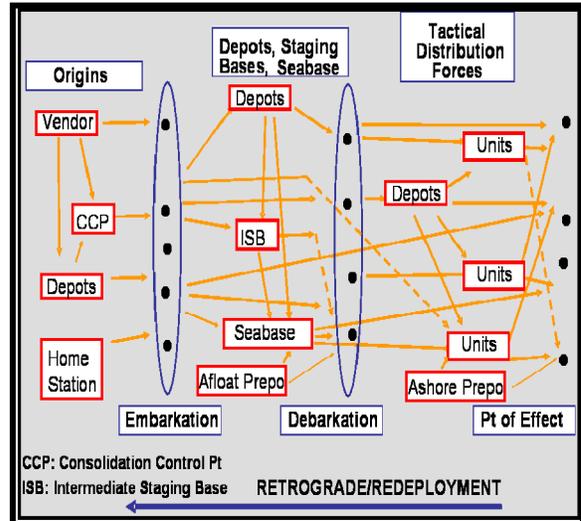




USTRANSCOM Science and Technology

Distribution Process Nodal Model

Project Summary: Project to build a highly configurable, agile Distribution Process Nodal Model (DPNM) to express and analyze complex and detailed business processes that take place within distribution nodes. DPNM will provide Joint Distribution Process Analysis Center (JDPAC) with a simulation environment designed to provide results and metrics needed to quantify the benefits and tradeoffs of process improvements at key distribution nodes. This model will support collaborative distribution studies and planning/execution analyses.



Return on Investment: The DPNM will provide the capability to replicate and analyze the diverse and complex business processes that take place across hundreds of distribution nodes, both in the Continental United States (CONUS) and in the theater of operations, to a level as yet not modeled in United States Transportation Command (USTRANSCOM) and commercial models. Development and use of the DPNM for analyzing business processes within distribution centers will enable, through experimentation and analysis, innovative improvements to the Joint Deployment and Distribution Enterprise (JDDE). The DPNM will greatly enhance the current Analysis of Mobility Platform (AMP) Federation of Models in order to provide the distribution modeling capability that is vital for synchronization of the hundreds of distribution-related activities.

Duration of project: FY08-FY09

Participants: USTRANSCOM,

Project advocacy (funding or otherwise): USTRANSCOM, Military Surface Deployment and Distribution Command (SDDC)

Transition: DPNM will transition into the AMP program of record.

USTRANSCOM POC office code: TCJ5/4-AS/618-229-1109