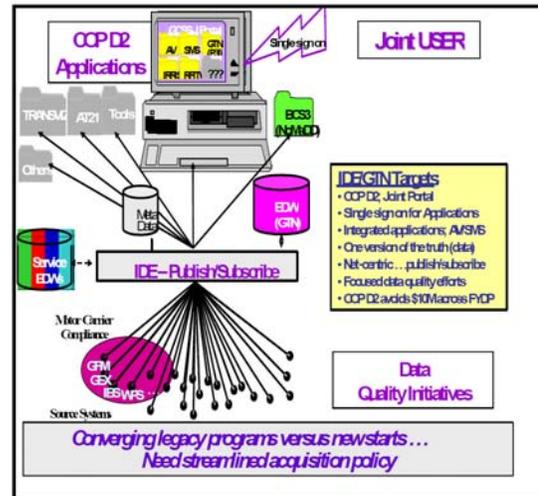




USTRANSCOM Science and Technology

Data Quality (DQ) Improvement for Common Operating Picture (COP) Deployment and Distribution (D2)

Project Summary: Automated data quality analysis capability linked to the Enterprise Data Warehouse (EDW) to enable End-to-End (E2E) analysis of data quality/system performance. Proposal to develop software and expertise needed to integrate commercial software that permits the data analyst to process large volumes of system information and quickly pinpoint data quality issues, using custom business rules and data mining-like algorithms with the EDW and Source Systems. Known systems/capabilities to be leveraged include the GCSS (CC/JTF), Transportation Visualizer (TRANSVIZ), commercial Business Intelligence (BI) tools, event management tools, Asset Visibility (AV), Single Mobility System (SMS), Global Transportation Network (GTN), Integrated Data Environment (IDE) - GTN Convergence (IGC), web-enabled Nodal Management and Deployable Depot (NoMaDD) capability, Intelligent Road Rail Information Server (IRRIS), Radio Frequency In-Transit Visibility (RF-ITV) Server, dynamic "smart agents", Agile Transportation for the 21st Century (AT21), and potentially others.



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Return on Investment: The DQ improvement effort supports the COP D2 as it matures through its near-, mid-, and long term spiral deliverables. Incorporation of DQ improvements throughout COP D2 will reduce the time spent by action officers trying to manually aggregate and correlate data in order to see snapshots of the D2 operational picture. As data quality improves over time, efficiency of distribution processes will increase and will result in direct monetary savings across the Joint Deployment and Distribution Enterprise (JDDE).

Duration of project: FY08-FY13

Participants: USTRANSCOM

Project advocacy (funding or otherwise): USTRANSCOM

Transition: Project will support the COP D2 effort

USTRANSCOM POC office code: TCJ5-JT/618-229-1109