Background

The Army has an enormous challenge with getting the right equipment (materiel supply) to the right place at the right time (demand). To locate, prepare the equipment and get it to the units to meet requirements, the Secretary of the Army gave Army Materiel Command (AMC) the mission of being the Lead Materiel Integrator (LMI) – the manager of Army materiel distribution/redistribution process.

To accomplish the LMI mission, AMC required total asset visibility, visibility of all materiel transactions and the ability to plan into the future. LOGSA created the LMI DST (Lead Materiel Integrator Decision Support Tool) to provide the Materiel Enterprise with this functionality.

LMI DST is the unclassified, web-based, collaborative tool the LMI uses to lead the Army Materiel stakeholders through the planning and execution of Army materiel distribution/redistribution. By consuming both legacy and enterprise data, LMI DST provides materiel managers with unprecedented Asset Visibility. LMI DST matches validated, prioritized equipment demands with available Army inventory in depots, units, and other sources. It provides an advanced planning capability to resolve complex scenarios that include force structure changes, modernization of equipment and authorizations and quickly identifying excess in the future. The tool helps equipment managers consider the impact of delivery times and transportation costs and the long-term effects of any decisions.
Main Features of LMI DST

Objectives

- Provide an enterprise view of total Army materiel supply and demand over time.
- Match validated, prioritized equipment demands with available Army inventory in depots, non-deployed units, and other sources to create proposed sourcing decisions to fill any shortages.
- Improve overall Army readiness by more effectively Distributing/Redistributing materiel.

Main Features

- Materiel Sourcing
  - Distribution Plans, Viewers and Sourcing screens provide Army Materiel Managers with the capability to create sourcing recommendations based on Army priorities, requirements and equipping strategies. The recommended equipment sourcing solutions are vetted with other materiel stakeholders. The end product is a fully vetted sourcing solution to meet Army equipment requirements.
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Dashboards

LMI DST’s Dashboards provide users with a customizable view of Army inventory(supply) versus demand. Dashboards leverage customizable controls for users to format their workspace to enable more efficient materiel management. Information includes LIN / NIIN Level of detail, current and future authorizations coupled with Unit cycle data from the LOGSA Logistics Information Warehouse (LIW).

Alerts & Notifications

- Alerts
- LIN Plan Management
- Canned Messages
- My Dashboards
- Custom Reports
- Email
- Filter Sets
- Sourcing Strategy

Filter Sets

Filter Sets allow the user to build customized Unit, LIN, Location and Supply filter sets. These predefined filter sets will increase workflow efficiency and personalize the user’s view throughout the different modules within LMI DST.

Advanced Planning

- Sourcing
- Dashboards
- User Defined

Reports

LMI DST provides numerous custom reports for Army materiel management. These reports can be customized by users and show current and future impacts of materiel shortages and excess. Leveraging LMI DST’s predictive analytic capability, reports can show the projected readiness and modernization levels of Army equipment across time.

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How Does the LMI DST Benefit the Warfighter?

The Impact of LMI DST on Army Decisions

- Provides the capability to visualize total equipment demand and all supply sources over time.
- Enables Materiel Managers to create better sourcing solutions based on policy and Army priorities while reducing Second Destination Transportation cost.
- Provides the capability to visualize 2nd-3rd order future effects of decisions made today in order to ensure the best use of Army equipment resources.
- Is a web-based enterprise system that will enable the LMI and the entire materiel enterprise the ability to collaborate in a common transparent environment.
- Quickly identifies excess equipment that could be used to fill shortages / build readiness.
- Houses NIIN level disposition instructions to enable velocity for unit’s turning in excess or unserviceable equipment.
- Creates efficiencies by considering factors such as costs, geographic location and modernization levels of existing equipment sources to make more informed equipment distribution/redistribution decisions.
- Provides complete execution tracking of distributions, redistributions and turn-in of Army equipment.

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Decision Support Tool (DST), Automating Materiel Management for Army Materiel Command

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