

# ELIST: Enhanced Logistics Intra-theater Support Tool

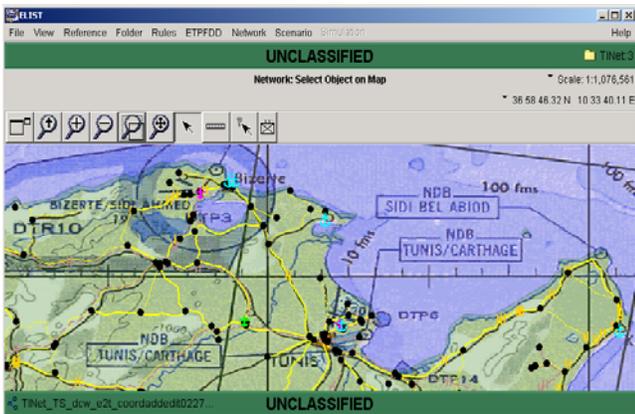


**What is ELIST?** ELIST simulates military deployments in theaters of operations. It is designed to answer questions like:

- Will the force arrive on time?
- Is there enough infrastructure capability for the deployment?
- Have enough assets been assigned to the deployment?
- Are there any bottlenecks that could be alleviated?

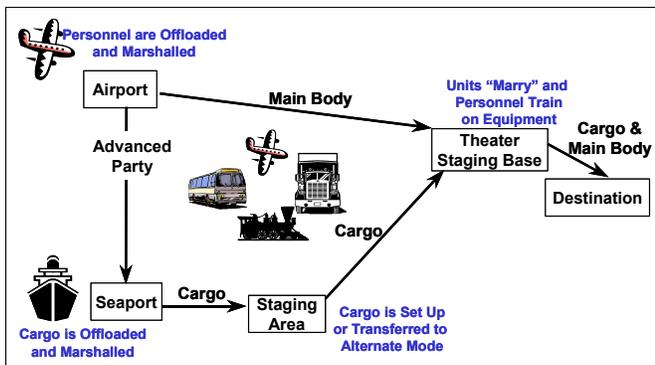
**What data does ELIST require?**

- Vehicle characteristics
- Networks of the road, rail, air, water, and pipeline infrastructure. These can be generated by the TINET model or directly edited by the user in ELIST



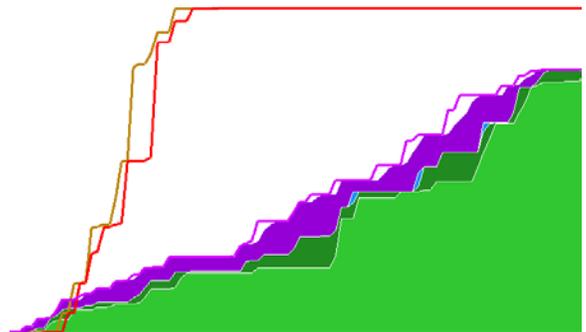
- Unit and resupply movement requirements, provided by the ETEdit (Expanded TPFDD Edit) program which is fully integrated into ELIST
- Commercial assets assigned to the theater as well as military assets arriving in to the theater that move the units and resupply

**What does ELIST do?** ELIST performs a detailed vehicle by vehicle simulation of the deployment into a theater of operation. This includes all of the RSOI (Reception, Staging, Onward-movement, and Integration) processes.

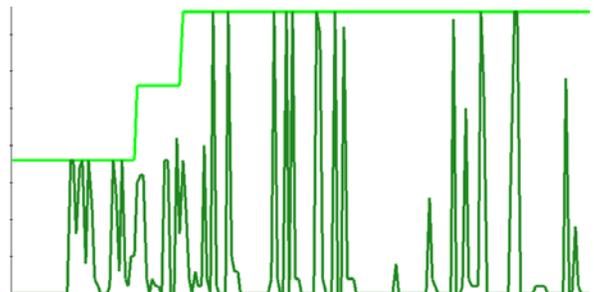


**What output can ELIST generate?**

- Closure of the force (Red line - required at the destination, purple line – strategic assets arrived at the port, purple area – unloaded at port, cyan area at staging area, dark green – early to the destination, and light green – closed at the destination).



- Utilization of all infrastructure and assets defined for the scenario.



- Detailed descriptions of the events each item has performed during the simulation

**Has ELIST been used?** ELIST has been used extensively. Here is a representative list.

- DoD's Quadrennial Defense Review (QDR)
- Mobility Requirements Study 2005 (MRS05)
- the Army Force Modernization (Army After Next, Strike Force)
- Deliberate planning for various commands

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