

# Innovating the Defense Supply Chain

## 7 CHALLENGES AND OPPORTUNITIES FOR THE DEPARTMENT OF DEFENSE

The Department of Defense (DOD) faces a myriad of challenges in asset and supply management while operating in a contested environment. With manual tracking processes and dispersed locations, units are challenged at:

- Completing supply, asset, and inventory management tasks in both limited bandwidth and disconnected environments
- Timely reporting accurate inventory status with disparate systems
- Supplying critical and timely information for command and control decision-making
- Controlling high administrative overhead costs incurred due to a variety of manual order management and supply chain tasks
- Dealing with sudden environmental changes without the need to mobilize resources to perform manual supply chain tasks
- “Swivel-chair” operations where the same user is required to enter redundant information in multiple software systems.
- Meeting and maintaining Auditability across multi-legacy environments

## THE NETWORK EFFECT: REAL-TIME VISIBILITY AND CONTROL ACROSS ALL PARTIES

One Network Enterprises’ (ONE’s) Digital Supply Chain Network™ (DSCN) and Disconnected applications (DISCON) cut through this complexity with **detailed and real-time asset and inventory visibility with transactional reporting at the lowest tactical level through smart-sync technology.**

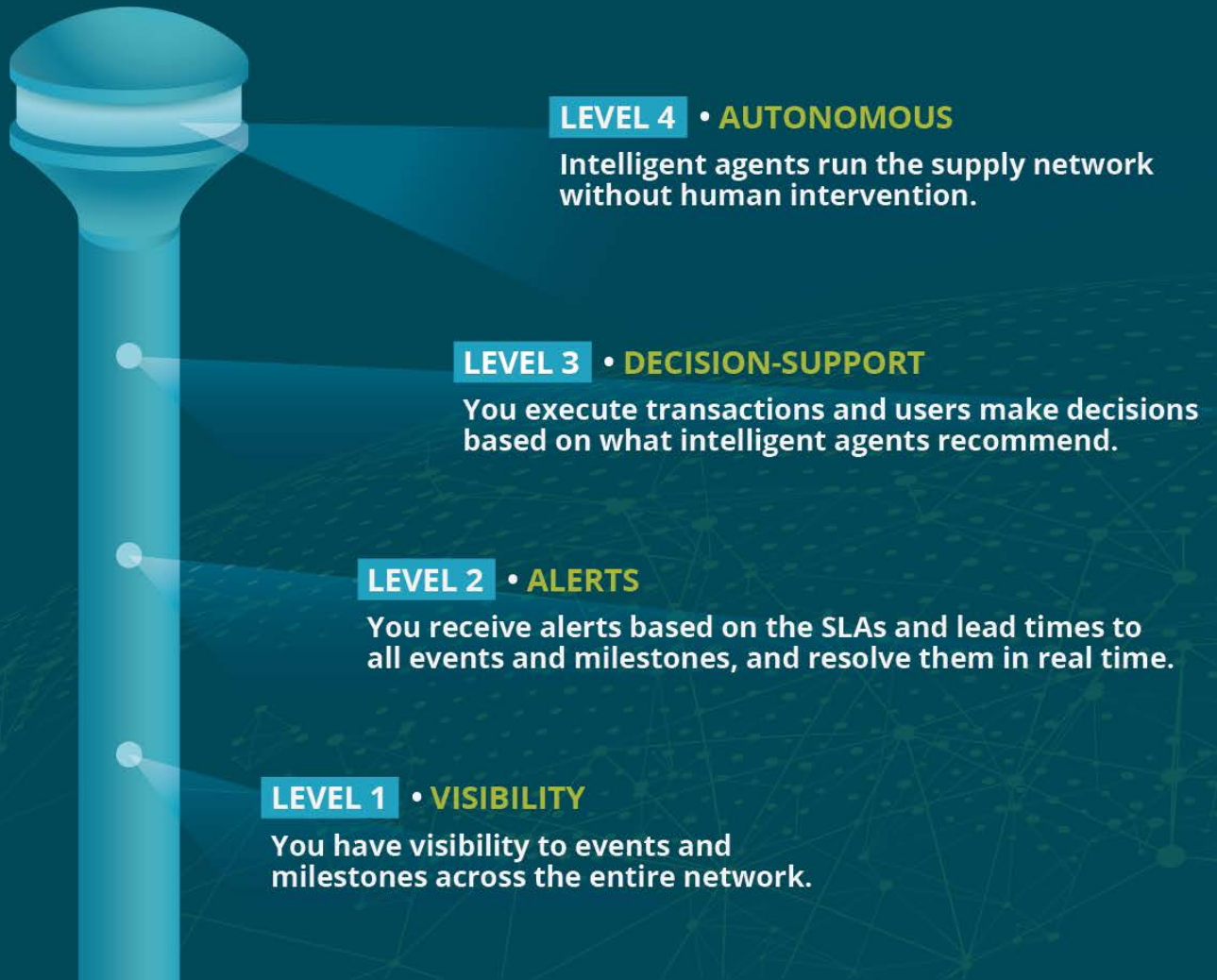
## ONE NETWORK SOLUTION BENEFITS FOR THE US DEPARTMENT OF DEFENSE:

- Providing the first, real-time SVOT to the last tactical mile
- Operational readiness improvements with integrated asset, supply, inventory, and logistics orchestration and execution
- 10-40% reduction in location and in-transit inventories, especially at important choke points, streamlining the supply pipeline
- Manual planning and execution effort decreased by 30% to 50%, and in some cases may be eliminated completely
- Waste reduction with better inventory mobilization

## BENEFITS FOR INDUSTRIAL BASE AND SERVICES PROVIDERS

- Opportunity to extend to the fourth DoD tier – Defense Industrial Base
- 20% increase in logistics utilization with lower costs
- Full chain of custody and traceability
- Item substitutions and alternate sourcing possible, across all tiers, across all trading partners

Agencies around the world are already taking advantage of the multi-network approach to manage their own assets and inventory, while connecting with partners such as their Foreign Military Sales (FMS), suppliers, distributors, and industrial partners, to enhance planning, acquisition and operations. The system is **interoperable with many US DoD systems.**



**SUPPLY CHAIN CONTROL TOWER:** One Network's Control Tower monitors and manages decisions and execution across functions, companies, people and things, to optimize the entire network to serve the end consumer.

Strategic, operational and tactical units rapidly achieve accurate real-time information, optimization, and collaboration across a diverse set of entities and locations with a real-time Single Version of the Truth (SVOT) across all parties. Data across asset classes is controlled and securely shared according to both platform and user-defined permission security. **This eliminates the traditional divide between planning and execution and enables visibility, control, and data flow across the entire supply network in real time.**

Additionally, ONE offers developers tools that allow organizations to extend or develop applications that fix their specific needs and that never go legacy.

## THE DIGITAL SUPPLY CHAIN NETWORK™ AND DISCON IN ACTION

The following are several examples of how the Digital Supply Chain Network™ and DISCON are providing tremendous values to the Service branches and their suppliers:

### Provide the Department of Defense with Real-Time Control and Visibility

By providing total asset visibility for all three echelons of logistics, the combination of DSCN and DISCON eliminates the tactical burden of submitting cumbersome daily reports and fielding frequent RFIs on status of inventory. The Department of Defense is therefore empowered to maximize their warfighters' time doing what they do best.

### Seamlessly Account for Assets in Tactical Locations

By enabling the tactical users to create on-the-fly storage locations such as ready-service-lockers, gun lines, ISO containers, Basic Load Ammunition Holding Areas (BLAHAs), mobile mess, or any other configurable location, they can seamlessly account for and transact against assets in these locations. At the same time, multiple-echelons of commanders, strategic planners, logisticians, and any role-based profile, have a real-time view of the tactical actions. This eliminates the need for “off-line” spreadsheets and antiquated automated message handling systems to communicate status and ultimately, readiness.

### Enhanced Enterprise Visibility with User-Defined Operating Picture

User-Defined Operating Picture (UDOP) enables users to customize their own dashboards easily, so they can review the data and information they want to see when they want to see it. Data is “actionable”, with commanders and decision makers having the ability to take action on the information and “shape” changes to the operational profile as needed.

### Logistics Operations with State-of-the-Art Supply Chain Management

One Network’s Defense Core improves the overall accountability, auditability, manageability and visibility of all Classes of Supply (or commodity groups), to include munitions. Some examples of note:

- **Management and visibility of assets from initial receipt to expenditure and demilitarization** – Connects to virtually any system, interfaces to legacy and ERP systems like Oracle and SAP, as well as DoD systems via Defense Logistics Management Standards (DLMS). Supports DLMS and Military Standard Logistics Systems (MILS) transactions and is constantly updated to meet changing standards.
- **Inventory Processes** – Provides periodic, Category I and II semiannual, required annual 100% physical inventory of all assets in storage. The Physical Inventory Control Program (PICP) module allows both cyclic or random sampling. Scheduling alerts keep inspections on track by showing inventories that are due to be inspected. An inventory plan/schedule can be established and managed within the Inventory Module.


- **Flexible Lot/Serial Control** – Manages by expiration date, install date, service life and in-use date (i.e. captured flight time) for items like commercial nitroglycerin dynamite, Cartridge Actuated Devices and Propellant Actuated Devices (CADS/PADS), simunitions and other assets.
- **Serialized Assets** – Tracks serialized assets by Item Unique Identification (IUID) (Serial Number) from initial receipt to storage area, including missile maintenance conversion to other missile Department of Defense Identification Code/National Stock Number/National Item Identification number (DODIC/NSN/NIIN), transfers of location or military service branch and up to and including Demilitarization, FMS and Expenditure or Loss action.
- **Disconnected Operations** – Works anywhere with the patented Platform to Platform Integration (P2PI) disconnected client, which allows for store and forward with hardened mobile computers with scanners. Inventory actions, pick/pack lists, containerization, shipment receipts, issues and returns, transfers, complete round buildups, and inspections are accomplished while disconnected from the enterprise, with automatic synchronization when system reconnects. See additional information below.

## PARTNERING FOR CONTINUOUS INNOVATION

There is an enormous opportunity for the DoD to update the way it works with partners, and upgrade its processes with practices in asset management and autonomous supply chain management. This will enable more branches, units, and their partners, to **maximize operational readiness, execute more successful missions, and improve efficiencies, everywhere, every time.**

### Transform and lead with One Network

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