



Enhancing and Extending the Effectiveness of Deployed Operations

How to sustain effective operations in disconnected conditions

Military units conducting forward operations in the future will fight against near-peer adversaries. They will operate in smaller, more dispersed elements far away from well-established military bases. Sustainment operations must be supported, as adversaries will attempt to disrupt, degrade, or curtail communications and access to sustainment enterprise systems.

Forward deployed sustainment operations lack the capability to effectively operate in true denied, disrupted, intermittent, and limited (D-DIL) conditions. This leads to degraded combat power, reduced asset visibility and reduced effectiveness for any mission. Military units must be equipped and prepared to continue operating and performing mission functions while in these types of operational conditions.

The One Network Enterprises (ONE) Deployed Operations capability, supports secure and continuous operations during D-DIL situations in complex and austere environments. It can be used in both military and civilian situations where reliable communications do not exist. It is designed to work over low bandwidth devices like Iridium modem, military communication equipment, other tactical networks, along with commercial or military internet and intranet services and commercial cellular networks.

ONE's patented **Platform to Platform Integration (P2PI)** capability guarantees minimum amounts of data for transfer from Disconnected Clients to Deployed Servers (and vice-versa) once connection is reestablished.

ONE Disconnected Client is a small footprint application on a mobile device (laptop, handheld, tablet) that can be carried on a person, vehicle, aircraft, ship, submarine, or used throughout a warehouse or forward supply point.

This versatility allows you to work anywhere by providing required logistics functionality on and offline (updating the enterprise when connection is restored) through store and forward capability.

Users with mobile computers or tablets with or without scanners have the capability to conduct core Order and Warehousing management capabilities including, but not limited to: Inventory actions, Warehousing actions, Containerization, Shipment receipts, Issues, Returns, Asset Transfers, and Asset Inspections.

These capabilities and more can be accomplished while disconnected from the enterprise.

Once connectivity is reestablished, and with a synchronization capability built in, a fast and seamless harmonization and re-consolidation of data begins moving upstream and downstream, synchronizing all related nodes in the enterprise.

Connections can be made directly to the enterprise or through a server running the ONE Deployed solution. It is designed to operate offline indefinitely, however, the longer the delay in data synchronization the greater the delta between the database becomes and the longer it will take to complete.

ONE Deployed Server is a fully capable solution that is installed on a local server that is a smaller version of the enterprise solution with all the functions and essential data required to support operations within the scope of the environment it has been deployed to.

This allows for full offline capability of all enterprise-level functions in any tactical environment, ashore or afloat, with transactional synchronization to the NEO for Global Defense Enterprise Server(s). Deployed servers can operate for indefinite periods offline. Disconnected clients can synchronize to a Deployed Server, further extending operations in a deployed environment.

ONE NEO Enterprise is the NEO for Global Defense, ONE's Commercial of the Shelf (COTS), Digital Supply Chain Solution configured for Defense customers. Through the use of P2PI, it provides bi-directional data synchronizations with both Disconnected Clients and Deployed Servers.

It includes a full logistical suite of Artificial Intelligent (AI) infused management tools, with the enterprise built on a full integration framework to provide integration into both modern and legacy ERP solutions.

It can serve as the Accountable Property System of Record (APSR) or feed other APSR's within a Military organization. The solution provides master data management (MDM) ensuring data cleansing and standardization, DLMS EDI's and FIAR support as well as being designed with backwards compatible API's, ensuring it never goes legacy.

ONE NEO "Lite" is equivalent to the ONE NEO Enterprise, and integrates with existing ERPs or legacy environments to add deployed logistics capabilities to environments that cannot support deployed capabilities. It extends SAP, Oracle, other ERP implementations and legacy environments into the deployed workspace. It also provides an expandable modernized platform for rapid onboarding of new capabilities.

Configurations support D-DIL, Contested, and Austere Operations, with multiple combinations in each.

One Network's Deployed Operations solution extends the enterprise "to the edge" and provides Defense organizations around the world with the ability to push beyond conventional limits and extend and enhance their effectiveness.

It can be applied to both military and civilian logistics situations where reliable communications are not available, such as Humanitarian Aid and Disaster Relief.

The software that is the subject of this documentation is subject to control of the EAR and/or ITAR.

Supply chain
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