One Network's Maintenance Repair and Overhaul Solution

SOLUTION CAPABILITIES

The cornerstone of One Network's MRO maintenance planning solution is One Network's Defense Core, the industry's leading, Best-of-Breed asset management software. One Network's Defense Core software helps enterprises manage the end-to-end asset lifecycle including maintenance, operations and business processes to deliver efficient and effective services aligned with their business goals. It provides a comprehensive and modular approach to integrated asset visibility by providing an enterprise platform for all types of assets.

One Network's Defense Core Platform solution will provide a unified solution for Work, Supply Chain, Asset, Contract, and Service Management. Implementing a platform software solution will minimize total cost of ownership for Military organizations and remove lifecycle costs associated with maintaining certifications and accreditations, upgrading custom code, integrating with Military systems and maintaining those interfaces as the other applications evolve or are retired.

One Network provides world class out-of-the-box functionality coupled with a highly configurable data and process architecture to meet the US Military requirements.

One Network's embedded Integration Framework can seamlessly integrate with the existing systems and is accessible in real-time by various trades/disciplines for maintenance facilities and depot planning to support the wide range of requirements from routine maintenance through material availabilities, with vehicle, vessel or airframe overhaul and modernization.

In addition to One Network's MRO transformative impact on maintenance planning, One Network MRO uniquely expands to provide maintenance capabilities with market-proven and certified secure data replication.

One Network's MRO comprehensive maintenance work management solution addresses all planned and unplanned maintenance activities including long and short-term planning, preventive, reactive and condition-based maintenance.

One Network's MRO integrated Supply Chain and Contract Management functions provide tightly integrated support for contractor and supplier management, sophisticated inventory controls and material planning functions, labor training and qualification management, and all necessary contract types, including material, labor, lease/rental, warranty and service agreements.

One Network's MRO solution will provide the US Military maintenance program with an industry-leading solution to integrate and automate the data and processes necessary for Maintenance Planning.

One Network's MRO allows customers to efficiently:

- **Manage maintenance** plans, work execution, materials, special tools, labor, assets, calibrations, contractors, costing, tracking, and certifications from a single system

- **Plan inventory** to meet maintenance demand, making the right parts available at the right location when needed

- **Proactively track and manage service levels** through sophisticated online service level agreements.

- **Adapt to changing business requirements** and connect with existing Government information systems through a flexible configuration platform and scalable service oriented architecture.

The configuration and open architecture of One Network's MRO allows for easy changes to work flows and screens, and supports any number of additional data tables that can be linked to the application. This flexibility allows the system to be configured easily to a client's specific environment, while allowing the user organization's own staff the ability to make configuration changes as the business evolves. The flexibility leads to lower costs and lower ongoing IT support.

One Network understands Military requirements for a single maintenance planning solution capable of managing existing and future platform configurations, the range of maintenance types from routine maintenance to overhaul and modernization, and the specific requirement to manage both nuclear and non-nuclear platforms for US Navy vessels.

The One Network MRO solution will provide Military maintenance programs with an industry-leading solution to integrate and automate the data and processes necessary for Maintenance Planning. Designed around open system standards and a Service Oriented Architecture, One Network's MRO offers highly portable and configurable technology coupled with the world's most proven work control system.

One Network's MRO balances the needs of workers—intuitive user interfaces, clear and consistent work guidance—the needs of supervisors and planners—rigorous process controls and configurable and auditable work streams—and the needs of system engineers—massive scalability, interoperability, and high availability. The end result is a solution that will provide significant automation and streamlining of processes while helping to support platform maintenance planning.

One Network understands Military requirements for seamless integration with existing Military corporate applications. Early in the development of the One Network's Defense Core module, the original system architects identified the need to provide robust integration tools to allow One Network's MRO to operate in heterogeneous data and process environments by interfacing to multiple different third party data sources and legacy systems.

One Network's MRO Integration Framework and Enterprise Adapter are built directly within the One Network Defense Core architecture enabling platform-level services definition and provisioning of Web services (J2EE). The Web services are built on the latest standards-based integration concepts and framework using service oriented architecture (SOA) technology.

One Network's MRO Integration Framework provides an enterprise-class integration solution with complete unification to the One Network Defense Core business application, data tables, workflow and security. Militaries will be able to quickly integrate and exchange data with external systems without sacrificing security or the integrity of work streams.

Built to support integrations with virtually any class of legacy system, from the most traditional file-based interface to the most sophisticated Web Services integration, the One Network Defense Core Integration Framework will provide the US Military with ready access to legacy data, complete interoperability, and trusted information assurance.

While most contemporary enterprise systems are implemented in an integrated environment, there are three key differentiators to the One Network product suite that will reduce Military organizations' short and long term costs of implementation and integration while adding velocity to the implementation process:

a) Interface Configuration. Interfaces are developed as configurations within the One Network platform and stored as data. Interfaces are activated as needed. Interfaces can support a sub-set of data. Multiple parallel interfaces can be defined and active within the same One Network data set. The combination of these capabilities allows Military organizations to support concurrent interfaces to multiple legacy systems as those systems are transitioned and

consolidated over time. The flexibility of these interfaces will help Militaries avoid "version lock" common with many major enterprise systems, reduce the up-front risks and costs of an implementation, provide maximum flexibility of scheduling deployments, and reduce the long-term sustainment costs of your platform maintenance planning deployment.

b) Internal Interfaces. The One Network product suite does not require interfaces between One Network modules. One Network is a fully integrated and unified platform structure. Implementation of Work Management, Asset Management and Supply Chain Management does not require any interface development within the One Network product.

c) Interface Technologies. The One Network product developers have elected to maintain maximum flexibility in the technologies available to support interfaces. Messages and data can be transmitted in virtually any available format directly to One Network Platform or through an enterprise service bus (ESB) technology. Given the wide array of military systems, this flexibility provides the One Network implementation team with the most options for addressing interface requirements cost effectively.

The different components of an Integration Framework solution can be arranged in a layered "stack" so that each layer builds on the layers below. The object structure is the basis for applications and adapters to communicate. It is used to define message content encapsulating business objects. The processing layers operate on top of the object structure to transform and standardize messages between

One Network's MRO secure, role-based applications and workflow automation will ensure that the right assignments are delivered to the right people, at the right time.

One Network data exchange format and an external system's data exchange format. System functions such as security, metadata management, and system management support the overall solution.

HOW ONE NETWORK'S MRO SOLUTION IS DIFFERENT

One Network MRO will offer the most innovative and cost effective solution for the Military Maintenance Planning initiatives. One Network's MRO is the industry's most respected work management system, incorporating years of best practices, workflow-based automation, and the industry's most configurable and open technology architecture.

One Network's MRO application offer Militaries immediate capabilities for managing the entire Maintenance Planning process through development, execution, and job completion/certification without costly customization efforts or the baggage of complex sustainment of custom code. Designed to address cross-industry work management planning, execution and certification requirements, One Network's MRO offers a highly flexible application suite to manage the Maintenance Planning processes.

Key advantages of the One Network's MRO solution include:

• Unique capabilities for managing both nuclear and non-nuclear work management built to comply with the Standard Nuclear Performance Model (SNPM).

• Powerful role-based security access controls and dynamic condition-based business rules

• Unified suite of business applications spanning work management, scheduling, supply chain, asset management, contract management, and service management

• Universally available on multiple different form factors including all industry standard web browsers, smart phones, and tablets.

• High availability solutions designed to support both wired and wireless access.

• Embedded integration framework to support all industry-standard interface protocols to easily connect to the US Military's numerous legacy systems.

• Expanded support for maintenance operations with market-proven, secure data replication capabilities.

Militaries will benefit from One Network's MRO ability to interoperate with third party systems allowing users to easily source and collect documents and data for management within the Maintenance Planning process either automatically or manually.

One Network's MRO secure, role-based applications and workflow automation will ensure that the right assignments are delivered to the right people, at the right time.

Planners will have access to all necessary documents and work assignments, with robust tools for authoring work instructions, scheduling and preparing labor and material requirements.

Craft people will have immediate access to their maintenance assignments and work instructions on their chosen form factor. Supervisors and work leaders will have online

access to real-time dashboards detailing work queues, task completion status and other key metrics.

One Network's MRO rigorous transactional logging and signature security will provide the Military organizations with an unassailable audit trail of all assignments, updates, documentation, and actions across the entire Maintenance Planning work stream.

One Network's flagship Maintenance solution extends across all environments in which the management of complex assets is a critical factor in determining an organizations success. Although the One Network Defense Core platform enjoys a level of maturity, the innovation and client success is significant and ongoing.

One Network has taken a leadership role in understanding industry-specific client demands and requirements and has developed a comprehensive set of solutions, working closely with One Network's Platform to enhance solution offerings.

Our work with clients often extends the boundaries of Enterprise Asset Management beyond core implementations of One Network. One Network is uniquely able to bring together our experienced consultants along with Software Development expertise to provide innovation and thought leadership to help our clients accelerate their maturity in managing critical assets.

One Network has a portfolio of additional targeted solutions that enhance and utilize core MRO data. One example is the

Planning Analytics for Condition Based Maintenance (CBM); it represents a new tool available to optimize and develop long-term strategic plans while achieving sustainable asset management.

By aggregating and analyzing vehicle, vessel, and airframe information, CBM produces a variety of benefits. From streamlined capital planning efforts to increasing cross-departmental coordination, CBM can provide extensive opportunities for cost savings and increase up-time performance.

For more information on One Network's solutions please contact One Network at:

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