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GlobeRanger
Federal Solution Accelerator^SM

GlobeRanger's Federal Solution Accelerator (FSA) speeds the delivery and integration of mission-critical solutions for Defense and Federal Agencies

RFID and sensor-based middleware is responsible for collecting, aggregating, and transforming data collected at the edge of the enterprise from a myriad of sensor devices into actionable business events. Enterprise applications are not architected to consume data that lacks business context or to provide feedback or output through these devices. The iMotion Edgeware Platform is architected to include the necessary functional layers required to appropriately transfigure edge data and orchestrate input and output through these devices.

Acting as the foundation to allow a vast array of RFID, bar code and sensor data to be shared and connected to disparate Government systems, the Federal Solutions Accelerator provides the building blocks and subsystems needed to quickly define, develop and deploy RFID-based solutions.
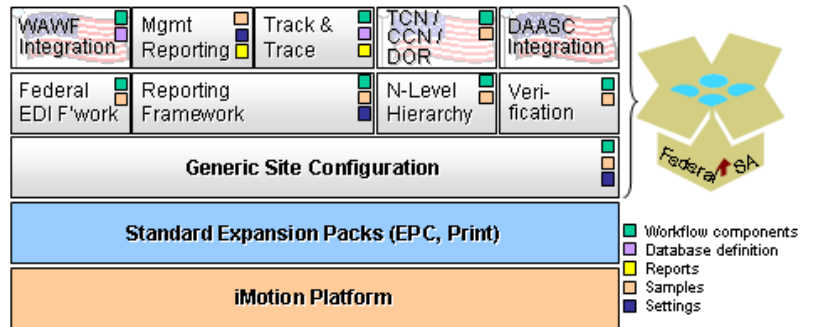
Technologies packaged with the Federal Solutions Accelerator include:

Modules	Description
Generic Site Configuration	A set of standard portal configurations supporting rapid deployment and integration.
Management Framework	Real-time monitoring, alerting and reporting of device and object health.
N-Level Hierarchy	Maintains multi-level containment relationships for pallets, crates, containers, etc.
Reporting Framework	A web-based reporting framework with the ability create custom reports.
Control Number Association	Maintains relationships between Carton Control Numbers (CCN), Transportation Control Numbers (TCN), Documents of Record (DOR) and other tags.
Track & Track	Real-time reporting of RFID-tagged items for inventory management and audit tracking.
Tag Verification	Real-time reconciliation of tags against any Document of Record.
WAWF Integration	Technology for integrating Wide-Area-Workflow services.
Alerting Services	Provides E-mail alerts based on specific events and errors.
EDI Document Format Integration	A framework to aid in the creation and translation of EDI documents.

Federal Solution Accelerator Application

The Federal Solution Accelerator, built on the iMotion Edgeware platform, consists of nine (9) key functional modules that can dramatically speed your DFARS RFID compliance implementation. Each of these modules can be used independently or can be combined for even greater benefit.

Designed for immediate deployment and compliance to DFARS requirement, each
module is extensible, enabling easy tailoring to maximize its capabilities in meeting your unique compliance requirements.

Federal Solution Modules – Description and Benefits

Modules	Description	Benefits
Generic Site Configuration	Enables rapid configuration of specific RFID and sensor device configurations based on templates. Includes predefined templates for common portal and conveyor configurations.	• Rapid configuration, deployment and support of RFID / Sensor based devices. • Multiple operational support–dock doors, conveyors and retractable conveyors.
Reporting Framework	Enables rapid definition and generation of reports on Edge activity. Includes pre-built reports, which can be tailored for specific needs.	• Instant visibility of collected RFID data & events. • Automates searching and retrieving information from multiple data sources.
Management Reporting	Captures key management activity in a deployed solution and provides historical reporting on that activity.	• Real-time monitoring, alerts, and historical data of device and object health reporting.
Track & Trace	Determines the location of items based on RFID tag observations, and provides reporting of the item locations.	• Real-time reporting of RFID-tagged items based on locations being monitored by inventory management, business processing and audit tracking.
N-Level Hierarchy	Tracks and reports multi-level hierarchy relationships.	• Dynamic multi-level hierarchy and relationship tracking between differing entities or objects. (i.e. Shipping Container > Pallets > Cases > Individual Items).
Verification	Reconciliation of tags to documents of record.	• Real-time reconciliation of tags against any document of record or pre-defined business rules. (i.e. Reconciling received items to ASN).
Wide Area Workflow (WAWF)	Comprehensive and customizable capability for creating required electronic shipping documents and submitting them to WAWF.	• Wide Area Workflow (WAWF) modules enable rapid integration of RFID enabled processes with existing legacy and enterprise systems through variety of transactions and communication protocols.
EDI Document Format Integration	Extensible framework that aids with the creating and translation of EDI Documents.	• Facilitates the creation and translation of EDI-formatted documents needed for data interchange with back-end systems.
Control Number Management	Maintains relationships between Carton Control Numbers (CCN), Transportation Control Numbers (TCN), Documents of Record (DOR) and other tags.	• Facilitates traceability between CCN, TCN, DORs and RFID-tagged items.

GlobeRanger provides the most reliable, scalable, and flexible enterprise edge software infrastructure and solutions at the lowest total cost of ownership, enabling companies to harness data generated outside traditional IT environments to improve business processes. Specifications are subject to change.

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