Logistics

Consultancy ● Support ● Information Management

Logistics Information Systems (IS) Data Analysis & Exploitation

The Requirement
To provide a service for validating, verifying and cleansing Logistics IS data shared across several inter-related systems.

The Solution
SCS sourced a Data Management Team comprising of Supply Chain business process consultants and expert database analysts possessing Terradata, SQL and advanced MS Access skills. The team delivered a comprehensive data validation, verification and reporting service across a complex systems environment.

The Result
The SCS team provided accurate, timely, verified and validated data to support the decision-making process across the end-to-end military supply chain. The quality of output led to the team being widely acknowledged as the primary Subject Matter Experts on MOD logistics Information data mining and data quality.

Background
The UK MOD’s Supply and Support Chain is undergoing significant change as legacy single-Service “stove-pipe” systems and processes are gradually being replaced with joint systems having a common user base. Examples of the new “Joint” systems include: Management of the Joint Deployed Inventory (MJDI) and Base Inventory & Warehouse Management System (BIWMS). Early recognition of the risks associated with poor quality data and its impact on systems migration was made and this identified the need to establish a Data Management Team (DMT) to address all related data integrity issues. SCS was asked to source the team to undertake the analysis, validation, verification and reporting of data cleansing to support system migration for MOD’s Logistics Network Enabled Capability Programme.

“The analysis, validation and verification of Cougar vehicle stock data carried out by the SCS Data Management Team, on behalf of the Protected Mobility Project Team, has enabled savings to be made in the region of £4.5m in Cougar vehicle support costs.”

Protected Mobility Project Team
UK Ministry of Defence

The Challenge
MOD’s legacy Logistics Information Systems were designed independently to support individual Service requirements. As such, functional processes differed, sometimes widely, despite the systems providing similar capability to each other. A simple “merge” of systems and host data was unfeasible due to the wide-variance of data standards, data ownership and data requirement between the systems. To achieve success a carefully planned and controlled migration of verified and validated data was needed.

Our Approach
SCS identified suitable Technical Support staff from within its consultant resources who possessed the right blend of technical and business process skills to support the data validation and verification requirement. The team was quickly assembled and “hit the ground running” delivering instant results. Working closely with the client, the team continues to deliver the data analysis, reporting and data cleansing guidance necessary to support this large and complex system migration programme.

Results and Benefits
The DMT has provided continuous data analysis, validation and reporting to MOD for over 4 years. With a comprehensive overview of the logistics data footprint, the DMT has additionally been able to respond to a wide array of requests for data analysis, to help front-end users make better-informed business decisions. For one user, the reports provided by the DMT, have enabled it to save over £4m by avoiding making purchases for unwanted duplicate stock.

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