

Product Data Reporting and Evaluation Program (PDREP)

CDR James Semerad

Find out how the Product Data Reporting and Evaluation Program (PDREP) automated information system (AIS) successfully implemented IUID!

Historically, the Department of Defense (DoD) has faced many challenges in managing its inventory. Approximately 650,000 military, civilian, and private sector individuals are tasked with maintaining DoD's material. The Navy alone has nearly 78 million square feet of warehousing and millions of individual items that must be tracked. To address the DoD's substantial problems in its global management of assets (as noted in GAO Report AIMD-98-265R), the Office of the Secretary of Defense (OSD) mandated the implementation of Item Unique Identification (IUID). The first element necessary to meet OSD's mandate is the marking of all legacy items currently within the DON inventory that meet the IUID requirements. Legacy marking, while not complete, is underway across the DON.

However, to completely implement IUID, the more than 120 individual automated information systems (AISs) the Navy uses to support its inventory must be able to read the IUID mark, store the information in the mark, and pass that information on to other AISs. One such AIS—the Product Data Reporting and Evaluation Program (PDREP)—has already successfully implemented IUID.

PDREP, an AIS managed by the Naval Sea Logistics Center

(NSLC), is designed to collect data and track quality and delivery performance on material/services procured by the Navy and other services. A variety of supplier data is collected, such as Material Inspection Reports, supplier audits, and contract data. The collected data is used to create supplier past performance profiles that enable the acquisition community to perform analyses of supplier performance. The data is also forwarded to the DOD's Past Performance Information Retrieval System (PPIRS).

Updates to PDREP made it able to retrieve IUID data based on Unique Item Identifiers (UII), which in turn enabled auto-population of PDREP data fields in various supplier and material reports, such as Quality Deficiency Reports, Supply Discrepancy Reports, and Material Inspection Reports.

In brief, IUID implementation within PDREP works as follows:

1. PDREP users prepare electronic documents and enter a UII in the document they are working.
2. PDREP users then select an auto-fill button next to the UII data field.
3. PDREP sends the UII to the DoD IUID Registry to search for matching UII data. The UII is sent using the IUID Web Services API for UII retrieval.

a. If no UII exists in the DoD IUID Registry, the IUID Web Services API indicates in its response to PDREP that the UII is not registered. The PDREP application then notifies the user that a UII was not found.

b. If the UII is found in the DoD IUID Registry, then the IUID Web Services API returns the following data to PDREP:

- Enterprise Identifier
- Serial Number
- Part Number
- Batch/Lot Number

c. When PDREP receives this information, it auto-populates the appropriate fields in the PDREP document.

Currently the quantity of records prepared in PDREP that could utilize the UII data on a yearly basis is 9,000 to 10,000 QDRs and 1,500-2,000 SDRs. This averages to approximately 30 individual requests for UII data per day. Other PDREP records will have the UII added over time. Expansion is also possible to records that are prepared in other systems but pass through or are collected by PDREP. In these cases, when the record is imported, PDREP will add any missing information into the records that contain a valid UII. The volume of UII data requests from PDREP to IUID Registry

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About the Author

CDR James Semerad, SC, PMP, CPIM, Jonah is specialized in contract, global supply and logistics management, quality control, inventory control, and information technology systems with global enterprises. He served as a National Vice President of APICS The Association for Operations Management and is certified in production and inventory management and project management. He is a contributor and served as a founding officer of the international Constraints Management Committee. He has lectured in the classroom, professional meetings and at conferences. Currently, CDR Semerad supports the IUID program office at DASN analyzing automated information systems to support the integration of IUID in the supply chain.

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is expected to increase significantly as other PDREP records incorporate the UII data field and more reported material is identified by their UIIs.

Inquiries regarding how IUID was implemented in PDREP can be made to webptsmh@navy.mil or call customer service at voice phone: (207) 438-1690 DSN 684-1690. They will direct your call

to the cognizant IUID/PDREP representative.