



IUID

Item Unique
Identification

PMA260 High Value Test Equipment

**Unique Identification Policy Office
Integration Project**





To improve the identification, tracking, and management of Department of Defense (DoD) assets, the Office of the Secretary of Defense has funded multiple projects, including the PMA260 High Value Test Equipment Integration Project.

Description

Naval Air Systems Command's Aviation Support Equipment Program Office (PMA260) is responsible for cradle-to-grave life cycle management of all Navy/Marine Corps aircraft common support equipment, including all Automated Test Systems (ATS). One such ATS program managed by PMA260 is the Third-Generation Electro-Optic Consolidated Automated Support System (CASS EO3). CASS EO3 provides for testing, maintenance and repair of critical electro-optic sensory and laser system components utilized on multiple aircraft platforms.

Through this integration project, PMA260 sought Unique Identification (UID) compliance for all CASS EO3 subsystems in accordance with DoD UID policy. This effort aimed to achieve UID compliance not only with all currently fielded CASS EO3 systems, but also with future production deliveries.

At time of project proposal, PMA260 had procured and fielded 54 CASS EO3 systems. Due to increased workload requirements associated with emerging aircraft weapons systems, PMA260 was in the process of acquiring an additional 11 systems for Fleet use. In accordance with DoD policy, UID compliance was also required for the procurement of these additional systems.

As UID policy had been evolving during the period of procurement, a configuration management issue arose in that two separate CASS EO3 configurations would now exist, some systems with UID and some without. Having interchangeable repairable components, PMA260 proposed a one-time integration project for CASS EO3 subsystem UID incorporation.

Objectives

This project facilitated complete UID compliance across the entire EO3 program on all systems, both fielded and future deliveries. It encompassed all tasking necessary to update all CASS EO3 peculiar hardware, as well as the actions to:

- ◆ Update the CASS EO3 Technical Data Package
- ◆ Generate the Engineering Change Proposal and associated Technical Directive for implementation
- ◆ Provide all required data reporting
- ◆ Implement appropriate DoD UID Registry updates

Challenges & Obstacles

Challenges for this project included:

- ◆ Locating missing assets
- ◆ Coordinating Fleet schedules for implementation
- ◆ Ensuring Humiseal coating availability at Fleet sites
- ◆ Preventing damage to hardware during labeling

Benefits & Achievements

Significant cost savings were incurred from UID implementation across the program due to the economy of scale achieved by completing the tasking under a single effort. Furthermore, considerable cost escalation was avoided by resolving the potential issue of having two CASS EO3 UID configurations.

Implementation of UID provides a unique identifier for PMA260's hardware from inception to disposal. This improves the accuracy of data, enhances process control and provides for better configuration management and inventory control of assets. With more accurate data, the ATS community can accomplish more effective asset management; maintenance data collection, tracking and analysis; and program decision support.

Contact

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