

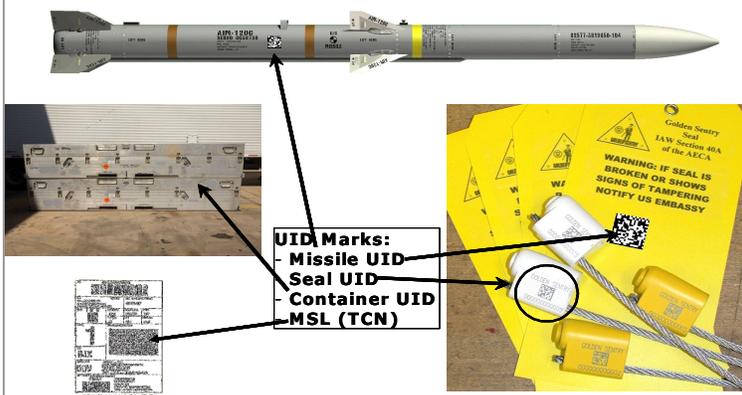
**IUID**

Item Unique  
Identification

## **US Navy Foreign Military Sales Missile Tracking**

### **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 US Navy Foreign Military Sales Missile Tracking Integration Project.**

**Description**

This project supported the development of a capability to leverage Unique Identification (UID) asset information and generate shipping documentation and asset verification for missiles and other assets being sold, shipped and inventoried under the Navy’s Foreign Military Sales (FMS) programs.

Because they comprise a majority of assets targeted for management under the Defense Security Cooperation Agency’s Enhanced End Use Monitoring (EEUM) program, missiles were the logical choice for this project’s focus. By applying and utilizing UID, this project sought a significant reduction in manual inventories and the ability to seamlessly update the EEUM database using automated data capture and transfer.

**Challenges & Obstacles**

Challenges for this project included:

- ◆ Establishing safety-approved UID marking and reading procedures
- ◆ Transferring UID data from missile to container
- ◆ Providing automated visibility of missiles through various transportation/inventory scenarios
- ◆ Data integration of UID information into legacy databases
- ◆ Obtaining host-country support
- ◆ Legacy retrofitting of the UID DataMatrix mark

**Benefits & Achievements**

This project’s use of Unique Item Identification led to immediate improvement in the accuracy of data, including a 96% time reduction in the inventory process. UID also enhanced configuration control of assets through the development of new tamper-resistant seals that allow for a secure, non-disruptive identification process.

In support of EEUM, UID enabled full inventory of FMS missiles at foreign sites while minimizing movement and manual handling of these sensitive items. As a consequence of these benefits, costs for in-country, service program officer manpower were significantly reduced.

The EEUM database upload is triggered by UID at initial shipment from the OEM and again at final delivery and subsequent inventory in-country. These transactions are accomplished using a simple bar code scan and menu-driven programs on the bar code reader/handheld computer.

At various stages of the transportation process, the shipping-container UID can be instantly verified against the shipping document UID. This capability was an important achievement as items that are being processed for export must be screened by Customs and Border Protection.

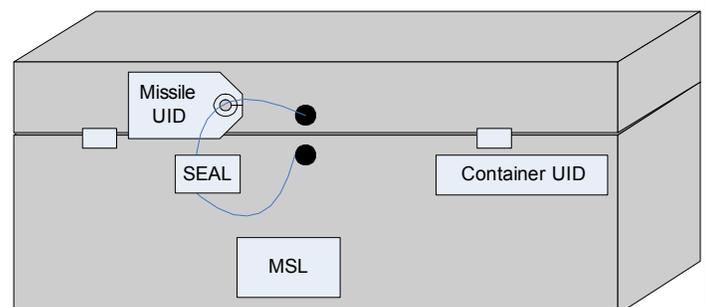
Although this project focused on FMS transportation and inventory, these processes are common to all existing domestic military asset tracking procedures and the lessons learned and benefits garnered can be highly valuable to any sensitive asset tracking while not being limited to munitions. This technology is also applicable to expensive, containerized repairables, such as engines, gear boxes, APUs, and numerous other UID-qualifying items.

Based on the success and knowledge obtained from this FMS UID project, the Navy has prioritized the application of UID to the global universe of EEUM missiles, a total of over 35,000. Expansion of the program will result in expected recoupment of investment in three to six months.

**Contact**

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*A missile storage container.*



**IUID**

Item Unique  
Identification

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