



**IUID**

Item Unique  
Identification

**Corpus Christi Army Depot**  
**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 Corpus Christi Army Depot Integration Project.**



## **Description**

The University of Alabama in Huntsville (UAH), in collaboration with Corpus Christi Army Depot (CCAD), implemented a DoD funded project to define and integrate the processes required to achieve UID initial operating capability (IOC) at the depot. Using a phased approach, the CCAD team was able to leverage the previously initiated UID implementation of the CH-47 office.

This project aimed to provide a single coordinated implementation effort. Individual program managers had started creating UID solutions that were less optimal than that of a strong centralized leadership and process for use across the services.

As there are different levels of UID program maturation among the various weapon systems within DoD, the CCAD project team recommended the application of a phased effort. Phase one would leverage the efforts of the fielded CH-47 program, which serves as the Army model program. Phase two entailed selecting a second candidate system, the H-60, to execute a complete UID implementation plan.

The CH-47 was able to demonstrate a viable program and provide examples of various short-term successes within the UID implementation process. The results of this effort served to act as the means to prove the thesis of an effective UID implementation at the depot. Consequently, the H-60, which was starting from scratch, was able to model an efficient implementation program drawing from the lessons of the CH-47.

## **Benefits & Achievements**

There were two key areas of value to the CCAD program. First was the software that was the centerpiece of the marking capabilities. This program was the outgrowth of the successful UID program in the CH-47 office and is currently being used by two of the major air framers. It has the ability to cover the complete data requirements for the UID program and drive all the appropriate marking equipment.

The result was that there was minimal human intervention in the UID process. All data is entered once and used many times. The single source of data error is the step where the marking technician is required to enter the human readable legacy serial number on a component requiring a new UID. The other significant benefit of this software was that it was web based so it could support every marking station at the depot from a single location and that location could be off-site.

The second value area within the program was the process maps that resulted in the developed CCAD UID Regulation and the changes in the shop floor procedures. The regulation provided the depot with the ability to rapidly commence the legacy marking program to get the highest number of parts marked in the least amount of time. While this process map was developed for the hydraulics shop, the CCAD UID Integrated Project Team (IPT) ensured that it was transferable to the other shops and could be used to expand UID capabilities expeditiously within and beyond the depot.

Other benefits at CCAD included:

- ◆ Successful determination of how depots can achieve IOC
- ◆ Leveraging of current programs
- ◆ Enhanced asset visibility
- ◆ Improved management of assets

## **Lessons Learned**

- ◆ It was necessary to have a strong UID IPT at the depot
- ◆ The technical data package for new and legacy components have different requirements
  - ❖ Legacy components can use depot-centric documents to comply with UID requirements, including technical bulletins, technical orders, and depot regulations
- ◆ Legacy marking can be initiated at depots without technical data package changes by individual program managers
- ◆ Process implementation was facilitated through the development of a UID depot regulation

As a result of this UID Integration Project, an end-to-end program that included selecting, marking, and registering of legacy components was established at CCAD. By examining both programs and the lessons learned, the DoD is now able to provide clearer guidance to depots and weapon-system managers for future implementation efforts.

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