



REAL PROPERTY UNIQUE IDENTIFIER & REGISTRY

Providing the Foundation for Accurate and Integrated Information

The Challenge

Managing data for DoD's worldwide real property assets is a complex effort involving diverse asset types, technology systems and information processes. For nearly a century, DoD has managed its real property data at the Military Department level—using data formats and structures unique to each Military Department.

DoD's business leaders and warfighters require access to integrated, accurate, consistent, and complete real property data for decision making. To achieve this level of integration, DoD initiated several real property transformation initiatives to provide continuous access to essential data.

The Solution

Unique identifiers (UIDs) form the foundation for building a standardized net-centric data environment that can enable delivery of accurate, real-time, integrated data. The **Real Property Unique Identifier Registry** (RPUIR) is the centralized, Service Oriented Architecture based system that will generate and maintain UIDs for all of DoD's real property assets and sites worldwide. A Web interface will integrate the diverse Military Department inventory systems with the Registry to create and update RPUID records. Web Services are also used to provide a generic interface to share Real Property location information with other IT systems.

What is a Real Property Unique Identifier (RPUID)?

An RPUID is a non-intelligent, 18-character number assigned to a real property site or asset. It is the “glue” that connects data. All UIDs will be generated by, and maintained in, the Registry.

- A **Site** is comprised of one or more contiguous land parcels, and/or a collection of buildings, structures, or linear structures. A **Site UID** is assigned to a site in which DoD holds a legal interest.
- An **Asset** is a land parcel, building, structure or linear structure located on a site. An **RPUID** is assigned to each individual land parcel or facility (i.e., a building, structure or linear structure).

A UID is never duplicated or reused and remains archived in the RPUIR database even after the asset is retired or disposed.

DoD and its partners will be able to efficiently and effectively manage people, property and intangible assets using globally unique identification.



DoD Installations & Environment
Business Enterprise Integration

How to Obtain a Site UID

To obtain a Site UID, the Military Department must enter validated data for each site into their Real Property Inventory (RPI) System and forward a Web Service transaction to the Real Property Unique Identifier Registry (RPUIR) requesting a unique identifier. The Registry completes the transaction and returns a UID to the requesting Military Department's RPI system. This provides a real-time, automatic process which is transparent to the user. The Registry supports the enterprise capability requirements for a Real Property Inventory and is consistent with the Real Property Information Model data standards.

Currently the Site and Asset Registries are in production. A generic interface is available for IT systems requiring real property site or asset location information from the Registry.

The Web Site

The RPUIR Web site will provide DoD organizations a snapshot of all real property sites and assets, allowing users to view basic installation, site and asset data, as well as registry reference data. The Web site will be available to all users in the .mil domain with Common Access Cards.

The Benefits

The UID and Registry initiatives will help improve the accuracy of financial, physical and legal information contained in DoD's real property inventory by allowing ready linking of transactions, personnel and equipment with the affected sites and assets. These initiatives will also:

- Allow DoD warfighters and business managers to quickly identify real property locations, status and availability—anywhere, anytime
- Tie financial management systems to real property assets, improving financial accountability
- Enable and achieve clean audits by providing a central location for UIDs, addresses, and change histories
- Increase asset managers' productivity by reducing redundant data calls and manual efforts
- Improve business intelligence across DoD, enabling better decision making
- Ensure continuous improvement in the quality of real property data
- Reduce information asset management costs

Contact

If you have any questions, or would like to send us feedback, please contact:

Lora Muchmore, Director
Business Enterprise Integration
(703) 604-6025
lora.muchmore@osd.mil



DoD Installations & Environment
Business Enterprise Integration