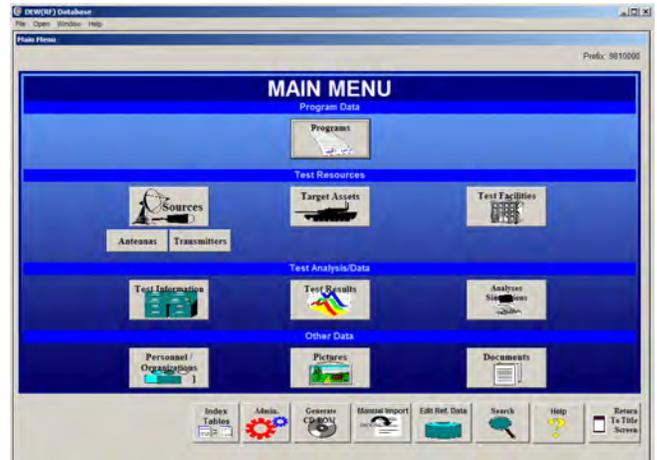


NAVAL SURFACE WARFARE CENTER • DAHLGREN DIVISION

Background

The Department of Defense (DoD) Directed Energy Warfare (Radio Frequency) (DEW(RF)) Database was developed in 1997 as a result of a need in the High Power Microwave (HPM) community for a central repository of test data and documents to support research, analysis, and future testing. The Directed Energy Warfare Office (DEWO) at the Naval Surface Warfare Center Division Dahlgren (NSWCDD) developed the database in coordination with the Army, Navy, Air Force, Defense Threat Reduction Agency (DTRA), and others and still houses and maintains the database. In March 2002, DoD promulgated a charter formally establishing the DEW(RF) Database and identifying procedures and roles in the HPM community regarding test data collection and distribution.



Focus

The DEW(RF) Database provides the most comprehensive overview of HPM effectiveness testing across the DoD. It is a cornerstone for any offensive or defensive HPM program.



Current Efforts

The DEW(RF) Database is currently distributed via DVD, but the DEWO is working to convert the database to a web-based version residing on the Secret Internet Protocol Router Network (SIPRNET). Additional efforts include further development and population of the database with experimental data and documents and refining the graphic interface to make it easier for end-users to add their own data directly.



Capabilities

- **Data** — Presently, there are more than 185 tests, 185 sources, 60,000 test result records, 4,000 test assets, 625 documents, 450 pictures, and 740 personnel/organization records. Data from all Services, DTRA, Sandia, and Los Alamos. Over 25 approved organizations have received the database.
- **Capabilities** — Import from Excel and other DEW(RF) Databases; export to Excel, text, and other database formats; user-defined parameters; complex search capability; hierarchical target asset definitions; attach and search PDF and Office documents; user-friendly interface; and on-line help capability.
- **Uses** — The database can be used to provide information for analyses and HPM effects models; for coordinating test assets such as sources, targets, and facilities; and for test planning to reduce duplicative testing.

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