



**US Army Corps
of Engineers®**
Engineer Research and
Development Center

Capability/Service

U.S. Army Corps of Engineers Reachback Operations Center (UROC)

Description The U.S. Army Corps of Engineers Reachback Operations Center (UROC) provides a “reachback” engineering capability enabling Department of Defense (DoD) personnel deployed worldwide to talk directly with experts in the United States when a problem in the field needs quick resolution. Deployed troops are linked to subject matter experts within the government, private industry, and academia to obtain solutions to complex field problems.

Capabilities UROC staff members respond to incoming information requests such as flooding potential due to dam breaches; load carrying capacities of roads and bridges; field fortifications and force protection; design and repair of airports, port facilities, bridges, dams, railroads, and roadways; and evaluation of transportation networks. The UROC provides comprehensive training and support to deployed units and maintains a data repository for collected engineering data used for infrastructure analysis.

Supporting Technology The TeleEngineering Communication Equipment provides reachback capability using off-the-shelf satellite communications equipment with added security encryption. Video teleconferences and data transfers can be conducted from remote sites where normal communications are unavailable.

The TeleEngineering Toolkit (TETK) software is a valuable analysis tool for the graphical display of engineer products, analyses, and digital data. The Automated Route Reconnaissance Kit combines the power of the TETK with a global positioning system, video camera, and three-dimensional accelerometers to provide a mounted vehicle or airborne automated route reconnaissance capability. This system has supported numerous military operations and natural disaster response missions.



The Geospatial Assessment Tool for Engineering Reachback Program provides rapid data collection for assessing Critical Infrastructure (SWEAT-MSO), Real Property, Environmental Condition Reports, Environmental Base Closures, Real Estate-Lease, Access Control Points, Explosive Ordnance Disposal, Civil Affairs, and Special Operations Weather Team collections. The UROC provides comprehensive training and support to units and maintains a repository for collected data and data migration to the Secure Internet Protocol Router (SIPR).

Benefits Coupling the engineer force with highly skilled DoD engineering professionals and computational assets provides the needed support and state-of-the-art technology to address complex field problems. UROC assistance also reduces the need and support requirements for forward staff.

ERDC POCs E-mail: UROC@usace.army.mil (unclass); UROC@usace.army.smil.mil (SIPR); Phone: (601) 634-2439/3485; DSN (312) 446-2439/3485; Fax (nonsecure): (601) 634-2764; NIPR Web site: <https://uroc.usace.army.mil>; SIPR Web site: <http://uroc.usace.army.smil.mil>