



Infrastructure Reconnaissance Information System (IRIS)

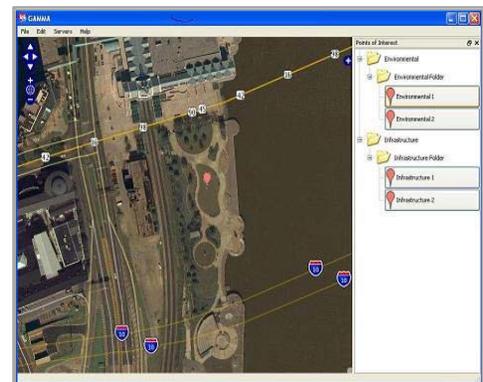
Description

The U.S. Army Corps of Engineers (USACE) Reachback Operations Center (UROC) provides a rapid field data collection solution with the IRIS for Department of Defense (DoD) personnel deployed worldwide. The IRIS works through virtually any tablet computer that has incorporated sensors such as GPS and camera and that operates on Windows 7 or Windows 8 operating systems.

IRIS works in conjunction with the UROC's Reachback Engineer Data Integration (REDi) database, enabling a user to gather data in the field and securely upload that information to the online data repository for storage, web access, visualization and analysis.

Capabilities

Through the IRIS application, users can collect photos, notes, and audio recordings and create sketches associated with a point of interest. The collected data is bundled into an assessment point and geo-located using the GPS location of the tablet computer. Once the field data is collected, it can be utilized locally to extract information and generate reports or it can be uploaded to a geo-database within the UROC and stored and shared through the UROC's REDi portal. Through the synchronization process, the UROC passes data collection and any IRIS software upgrades to the end user. In addition to basic data collection (photos, notes, etc), custom forms are available for SWEAT-MSO infrastructure assessment requirements.



Supporting Technology

By utilizing the Windows 7/8 operating systems, DoD users authenticate to the IRIS device using their Common Access Card (CAC) as they would on any other DoD computer.

Data encryption in transit is FIPS 140-2 compliant, and the device communicates to the REDi web services over 128 bit SSL connection initiated by the user's CAC.

Data at rest solutions function per the approved DAR 140-2 compliant solutions such as Mobile Armor or Window EFS.

The UROC can provide site-specific commercial satellite imagery and standardized data collection forms to meet user requirements.



Benefits

The UROC maintains a data repository for all collected data. The UROC performs data migration from the unclassified network to the SIPR network to allow for further analysis and interoperability among various national databases, as needed.

Contact 601-634-2439 / DSN 312-446-2439

uroc@usace.army.mil / uroc@mail.smil.mil / <https://uroc.usace.army.mil>

