

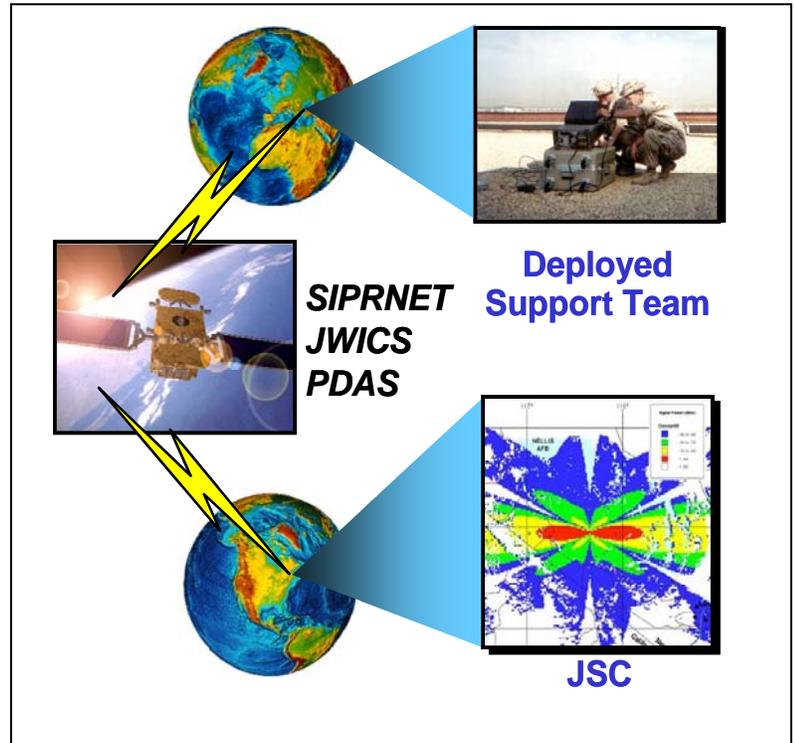
DSO Enhances Operational Support

DSO deployable teams provide direct spectrum management support to the military services, combatant commands and joint task forces (JTFs) for operations and exercises, including communications-electronic & electromagnetic battlespace planning and deconfliction, and joint spectrum interference resolution. DSO provides expertise in defining, managing, restoring, defending, and protecting communications and sensor systems to ensure effective and efficient electromagnetic (EM) spectrum operations.

Expertise & Competencies

DSO deployable and reach back support teams assist the combatant commands and JTFs in:

- Defining the electromagnetic environment of blue forces and civil infrastructure
- Joint Communications Electronics Operation Instruction (JCEOI) planning/preparation
- Radio propagation predictions (MF, HF, VHF, UHF, SHF, EHF)
- Electromagnetic compatibility analyses in support of frequency planning
- Joint Spectrum Interference Resolution (JSIR) analysis and deployment teams
- Joint Restricted Frequency List (JRFL) development and Electronic Warfare (EW) synchronization
- Operation plan (OPLAN) review for spectrum supportability
- Providing Information Operations and Special Technical Operations Support
- Spectrum management training for US and allied operators
- Performing radio spectrum site surveys



Operation IRAQI FREEDOM/ Operation ENDURING FREEDOM

Operation IRAQI FREEDOM (OIF) and Operation ENDURING FREEDOM (OEF) created unique spectrum operations challenges for the Department of Defense. With the increase in use of spectrum dependent technologies, spectrum managers have become a critical part of the communications planning and electronic warfare team. The DSO deployable support teams assisted warfighters in Iraq and Afghanistan by determining US and coalition spectrum use and providing solutions to resolve interference and effectively manage the spectrum.

Humanitarian Assistance / Disaster Relief (HA/DR) Operations

During disasters such as the Haiti earthquake, a nation or area telecommunications facilities may be destroyed or impaired and the national regulatory authorities may not be able to provide the required spectrum management services to sustain the telecommunications infrastructure.

When a HA/DR event occurs, the combatant command and several disaster relief agencies are usually the first on the scene using their day-to-day communications systems.

The DSO deployable support teams provide spectrum operations services for HA/DR that assist the combatant command and Joint Task Forces in developing initial assessments and requirements to perform immediate spectrum management actions, including frequency coordination, sharing and spectrum reuse, within a disaster area.

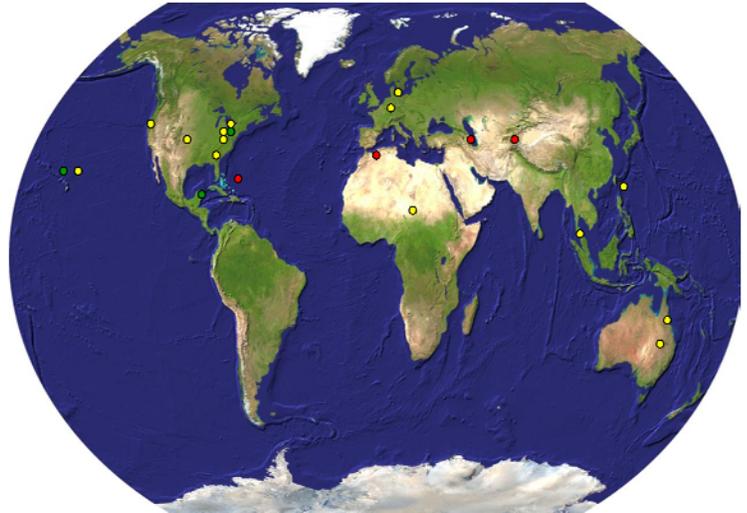
Joint Spectrum Interference Resolution Online (JSIRO)

The JSIRO collaboration portal is a Web-based, centralized application containing data and correspondence for reported interference, meaconing, intrusion, and jamming incidents. It is the repository for the results of analyses, collected data, and supporting documentation for electromagnetic interference resolution to support both trend and future interference resolution analysis. The JSIRO collaboration portal can be accessed on Intelink.

DSO Operational Support Points of Contact:

Spectrum Operations Support Center
 DSN 312-221- HELP (4357)
 CML 410-293-4357
SOSC@disa.mil
http://www.disa.mil/jsc/operational_support_i3.html

Global Spectrum Operations Support



- COCOM/Service Support
- International Coordination
- Combat/Contingency Operations
- Technical Support
- Software Training

Other Services

The DSO Deployable Support Team is also available to:

- Answer general spectrum operations questions
- Provide tailored SPECTRUM XXI-O EMEs and background data
- Provide information briefs
- Serve as technical advisors for a variety of Spectrum software programs (e.g. JACS, SXXI-O, HNSWDO, JDAWS, GEMISIS, SPEED, AESOP)

JSIRO
 SIPR: JSCOperations@disa.smil.mil
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 JWICS: www.intelink.ic.gov/sites/jsir