



# RHUMB LINES

*Straight Lines to Navigate By*



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## U.S. Fleet Cyber Command / U.S. 10th Fleet Executing Global Operations

*"The cyber domain is of vital importance in our worldwide operations, especially in a region like the Asia Pacific with vast distances between headquarters and operating forces. U.S. Fleet Cyber Command helps bridge the gap between forward capability and requirements and national-level support to the warfighter. We will test this important concept in upcoming exercises, including Terminal Fury."*

– Adm. Robert F. Willard, Commander, U.S. Pacific Command

[U.S. Fleet Cyber Command/U.S. 10th Fleet](#) serves as the operational authority for Navy cyber forces executing computer network and space operations, cyber warfare, electronic warfare, information operations (IO) and signals intelligence missions across the cyber, electromagnetic and space domains in support of forces afloat and ashore.

### Cyber Warfare

- 10<sup>th</sup> Fleet actively engages with functional and regional combatant commanders to deliver cyber effects in support of maritime operations and to deter adversaries from doing the same to U.S. forces.
- Terminal Fury 2010 marks the first time the annual U.S. Pacific Command exercise included a Joint Cyber Operations Task Force, led by Commander, U.S. Fleet Cyber Command, to coordinate Joint Cyber Operations.

### Electronic Warfare

- 10<sup>th</sup> Fleet conducts oversight of all facets of Electronic Warfare (EW) operations to support maritime domain awareness and acts as the EW/spectrum focal point for emergent EW requirements for all fleet operations.

### Information Operations

- Navy Information Operations Commands serve as 10<sup>th</sup> Fleet Task Forces and provide IO planners and expertise to fleet and strike group commanders executing missions around the world.

### Cryptology/Signals Intelligence

- Cryptologic technicians and information warfare officers are deployed today in aircraft, submarines and surface combatants around the globe and on the ground in Iraq, Afghanistan, Horn of Africa and many other areas providing real-time intelligence and operational effects to supported Navy and joint commanders.

### Network Operations

- 10<sup>th</sup> Fleet, through [Naval Network Warfare Command](#) (NNWC) and Navy Cyber Defense Operations Command, assures the Navy's ability to command and control its operational forces by providing robust Navy-wide network operations, afloat and ashore, and dynamic network defense operations to thwart adversary attempts to deny or degrade command and control capabilities.

### Space Operations

- NNWC provides operational-level space planning for fleet commanders and carrier strike group/amphibious readiness group staffs and works to leverage a myriad of joint space assets to directly contribute to the mission effectiveness of Navy units.
- NNWC maintains the DoD UHF narrowband constellation and provides subject matter expertise for the Navy on wideband, protected and commercial satellite communication systems.

### Key Messages

- The Navy must dominate the information sphere, much as we have dominated the maritime sphere. The Navy is revolutionizing its warfighting capability.
- 10<sup>th</sup> Fleet will position the Navy to lead in dynamic cyber operations vital to a global maritime force.
- 10<sup>th</sup> Fleet partners with and supports other fleet commanders to provide guidance and direction to ensure coordinated, synchronized and effective cyberspace operations.

### Facts & Figures

- U.S. Fleet Cyber Command was officially established Jan. 29 and headquartered at Fort George G. Meade, Md.
- There are more than 16,000 Sailors, civilians and contractors across the Navy's cyber domain.
- There have been at least 100 malicious logic events/incidents per month, every month for the last year.

For more information visit: <http://www.fcc.navy.mil>