

# Global Netted Communications

## Features

- Push-to-talk (PTT) netted voice
  - One talk, multiple listen
- Hand-held user terminals (<1.5 lbs, <10W); non-directional antennas
- Turn radio on - in the net
- Global service
- Globally dispersed groups
- Communications on-the-move
  - Simultaneous voice and data over a single channel
  - Secure, AES encryption for both voice and data
- Adaptable for hand-held use and integration into weapon systems, sensors, and platforms
- Hand-held user terminals provide:
  - Global Netted Communications connectivity to:
    - DSN
    - FTS
    - ILD
    - PSTN
    - NIPRNET
- Can be integrated with:
  - Command and control systems
  - Sensor systems
  - Vehicles/ships
  - Helmet/MOLLE gear
- Integrated with improved battery capabilities:
  - No need to recharge for over 12 hours



## General Dynamics' Global Netted Solution

- Supports global netted satellite voice and data communication in meeting the over-the-horizon operational requirements
- Offers the customized global netted communication solution for government entities at all levels

## Private Netted Radio Network

- Creates a Private Netted Radio Network for a group of users and the Central Controller to share a common channel by leveraging Iridium® technology
- Offers a “one talk, multiple listen” and no distance restriction private network without full terrestrial infrastructure coverage

## Iridium Worldwide Service

With its constellation of 66 satellites, circling the globe, Iridium system provides truly global wireless digital communication coverage of the Earth's oceans, airways, and polar regions. Iridium also delivers essential voice, messaging and data services to users who need communications access to and from remote areas where no other form of communication is available.

# Global Netted Communications

## Beyond a Solution

- Creates a flexible and an easy-to-maintain customized private communication network for a group of remote users and the central controller to communicate and share information real-time
- Obtains first-hand data and information from a dedicated channel for the commanding officers to make crucial decisions
- Broadcasts emergency or critical information to a group of remote users
- Supports the combination of data and voice on the same net
- Allows prioritization of traffic, inserting low priority messaging and broadcast data on both voice and data networks during idle periods
- Broadcasts position location information and sends the information transparently to all users without disrupting ongoing voice communication



## GENERAL DYNAMICS

C4 Systems

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