

# DRACO™ WEB-BASED SYSTEM FOR RAPID REACTION AND RESPONSE

## Centralized device messaging, command and control

In a world that is increasingly on the move, keeping track of resources is more critical than ever. If an organization needs to know an asset's location, interact with an asset, or have bi-directional status and/or control of an asset from anywhere in the world, Draco is the answer.

### TURNING DATA INTO INFORMATION

L3Harris' Draco system collects data from a wide range of existing field devices and sensors and merges it into a single, web-based user interface designed for rapid reaction and response.

Draco provides seamless, real-time situational awareness by fusing data from a variety of data collection tools, including tagging, tracking and locating (TTL) devices, sensors and communication

devices. It combines status, messaging and position information into a flexible and cost-effective base-end system that supports bidirectional command and control of remote devices.

The system is continually expanding to accept additional communication paths, which currently include Iridium short burst data (SBD), text, encrypted direct secure internet protocol (IP), file transfer, email and web data connections.



### BENEFITS

- > Provides a secure, global, web-based system that runs anywhere, with no installation required
- > Natively supports over 50 L3Harris and third-party devices, with the ability to easily and dynamically add new device types
- > Enables interdevice communication by monitoring and routing messages for devices like NAL SHOUT
- > Removes redundant systems via the consolidated management of internet and satellite messaging
- > Eliminates location incompatibility by accepting any location format
- > Allows for system interoperability by transforming and generating multiple editable payload types over a range of transports

## SYSTEM CAPABILITIES

### DATA ROUTING AND COMMAND AND CONTROL

- > Creates a bidirectional data path that enables users to send messages to a field device, update configurations over the air and initiate actions for remote and automated sensors and systems
- > Schedules outbound messages for future delivery
- > Converts data to meet the destination system's format requirements
- > Stores and uses encryption keys for source and destination
- > Supports several different encryption algorithms
- > Supports the use of device-specific user interfaces, allowing users to select pre-built commands, build messages, review custom data formats or request data from a remote system

### LOCATION MAPS AND ALERTS

- > Tracks location information for any mission in real time
- > Allows users to view live or historic locations on one of several maps using Environmental Systems Research Institute (ESRI) vector and imagery maps, as well as other map sources
- > Enables Google Earth users to export Keyhole Markup Language (KML) streams for devices they want to track at any time and place
- > Allows users to select a device's past data via built-in filters and sorting options to see where it has been, when it was there and what events happened along the way
- > Immediately alerts users about emergency situations, such as a "911" button press or if a device stops reporting as expected; alerts can be forwarded to email, text messages or other endpoints

## MESSAGING AND CHAT

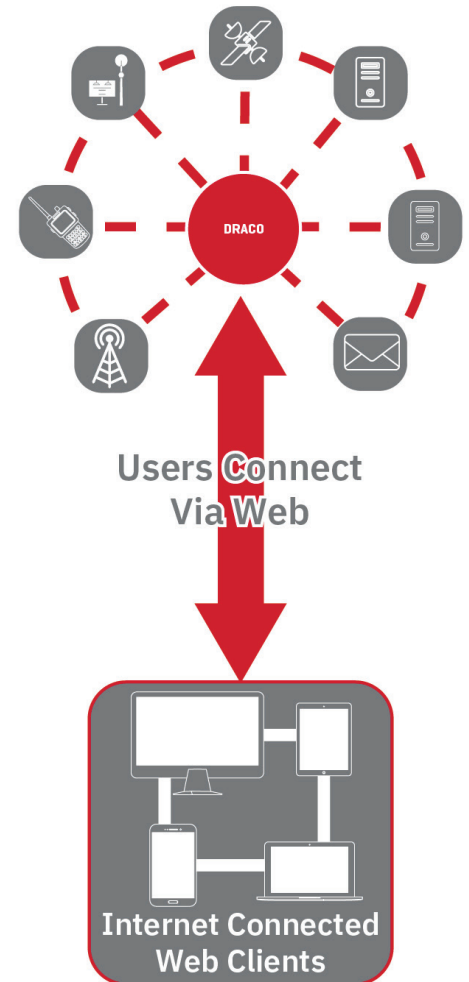
- > Collects, displays and distributes messages of all types (e.g., containing text data, position tracking information, sensor or media data) via one secure, convenient place
- > Enables users to set up a chat window to view, send and receive messages from a group of devices on a single screen
- > Allows users to create and send messages to field devices and other systems, including interdevice information (even if the devices are on different media)
- > Forwards or exports message, personnel tracking and locator (PTL), or metadata information for use in other systems

## SERVER-SIDE GEOFENCES

- > Allows users to identify geographical regions on a map, which can be associated with a configurable set of actions that take place upon entry and/or exit of the regions
- > Enables users to view and create geofences on a map as well as monitor geofence activity in near real time
- > Works with any device that provides positions
- > Enables devices to trigger actions (e.g., commands, texts, emails, user interface alerts)
- > Ensures that there is less sensitive information on devices if they are stolen or compromised

To learn more about the L3Harris Draco system:

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## Draco

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