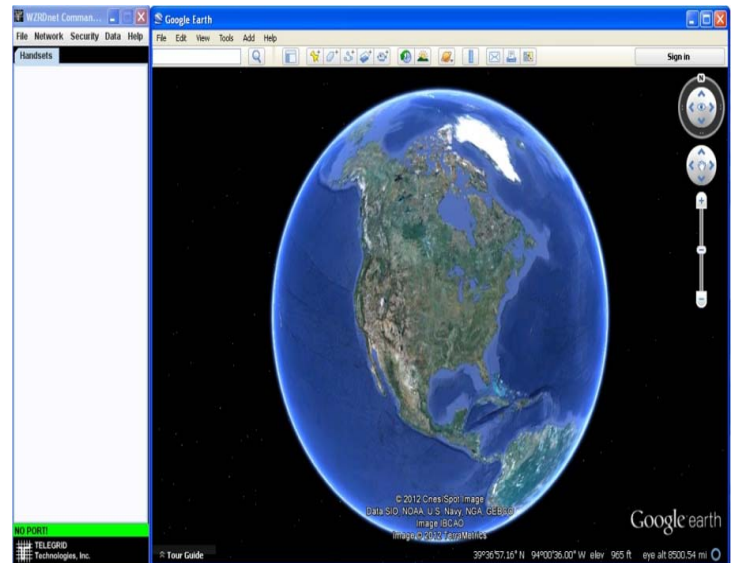# WZRDnet Command Center

⊞ TELEGRID

- PC-based graphical tracking system providing real-time position location information and bi-directional communications with WZRDnet devices

- Force tracking of personnel and equipment via embedded GPS

- Interactive 3D map powered by Google Earth

- Allows searching of a specific device's location and route traveled

- Saves historical position location information for future reference

- Deployable on a laptop/ tablet or as part of a larger C2 network

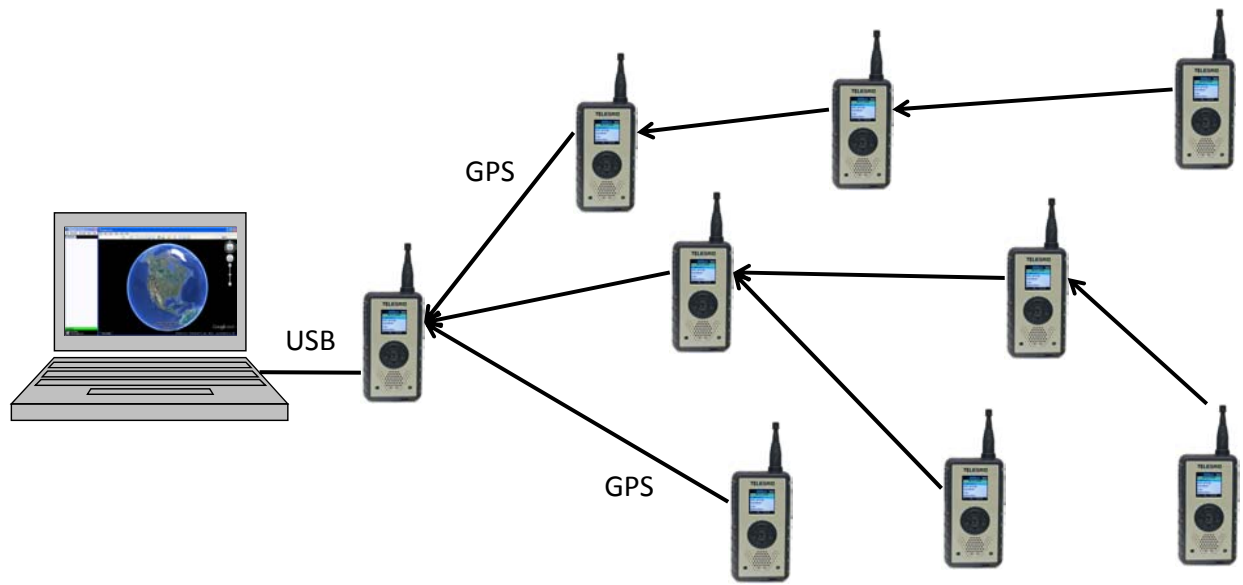- Ideal for austere environments (e.g., tactical deployments, rapid response, etc.)

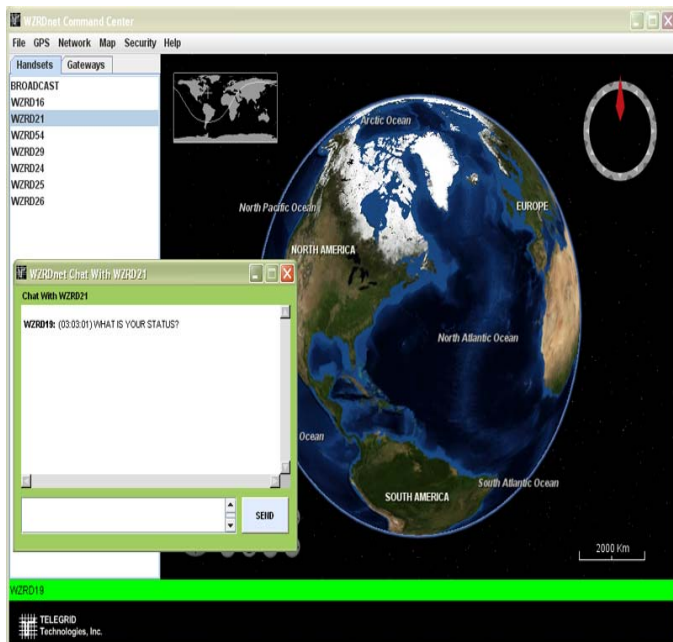**WZRDnet Command Center Display**

TRACK, TEXT AND TALK

WZRDnet is a low-power wireless ad-hoc mesh network that provides secure voice and data communications without the need for infrastructure (i.e., no cell towers or satellites required). In WZRDnet each device is a router, relaying messages from originator to destination. Unlike other mesh networks, this architecture does not employ base stations or central routing tables thus avoiding single points of failure. WZRDnet is a true end-to-end packet switched network allowing transmission of voice, data and position location information (PLI). The WZRDnet Command Center is a user friendly, Java based application that allows communications between a central operator and all handsets. The Command Center software provides a list of all available users and allows bi-directional communication with each.

The Command Center supports force tracking of all WZRDnet devices in the network. PLI can be sent periodically by all handsets or can be requested on demand by the operator for any or all handsets. Received PLI is plotted on a 3D map that is powered by Google Earth. The 3D map provides a graphical presentation of the entire network and allows the operator to control the map's view (e.g., zoom, pan, etc.). Historical PLI is stored in order to track a user's movement and provide the route traveled to their current location. The Command Center can be used to track personnel as well as equipment (e.g., vehicles, cargo, etc.).
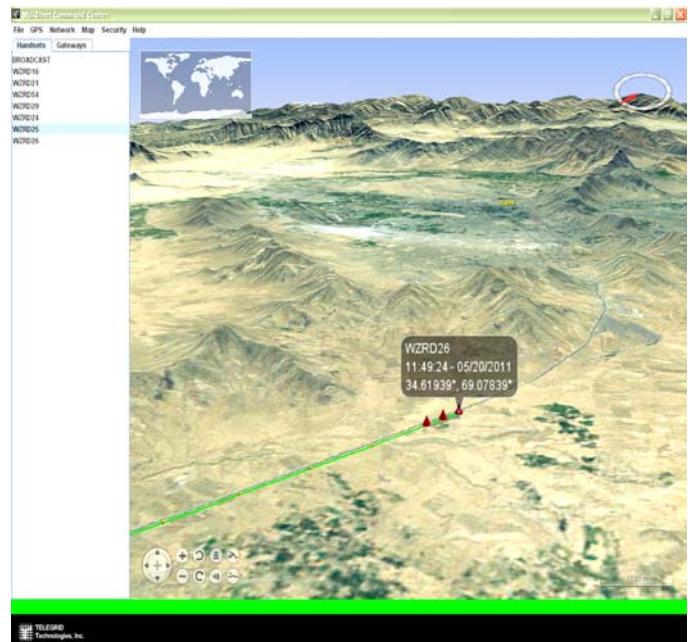
The WZRDnet Command Center software embraces the principle of a self-contained network, on which the WZRDnet system was built. It is able to operate as an independent entity or as part of a larger Wide Area Network (WAN). When an operation calls for a local, rapidly deployable force tracking system the Command Center software can be loaded onto any laptop or tablet with a connected handset. When an operation calls for a remote centralized tracking system, individual location information can be sent to a C2 Center through the WZRDnet Gateway.

GPS Tracking Concept of Operations

WZRDnet Command Center Chat Functionality

WZRDnet Command Center Convoy Tracking

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