



Iridium Global Push To Talk



Remote Satellite Systems
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Introducing Iridium Global PTT

- Iridium Global PTT
 - Evolved from DOD's DTCS Program
 - To be launched Q4 2014
 - Global PTT service with talk groups
 - Advanced online management tool
 - Affordable airtime plans
 - Interconnectivity with existing PTT via Network Innovations Matrix product
 - 9575 PTT, Matrix with integrated 9523 PTT

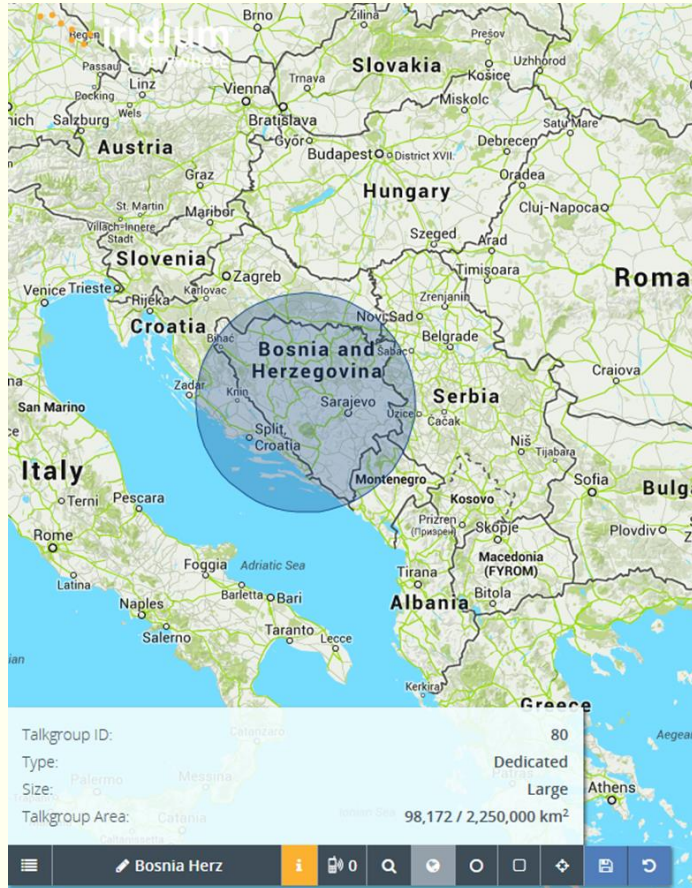


Group Communication

Geographic Reach and Diversity	Fast Setup and In-Call Latency	Voice and Data	Unlimited Authorized Participants	Secure Comms
<ul style="list-style-type: none">• Anywhere on the Earth• Up to 10 different regions covered per talkgroup	<ul style="list-style-type: none">• Button push to talking <2 seconds• Once in call, sub-500ms	<ul style="list-style-type: none">• Either type of communication is supported.• Depends on device implementation	<ul style="list-style-type: none">• May provision an unlimited number of devices into each talkgroup (>10,000 devices)	<ul style="list-style-type: none">• AES-256 encryption is used to ensure the secure provisioning and talkgroup communication.



Small Talkgroup: Up to 100,000 km²



One Region

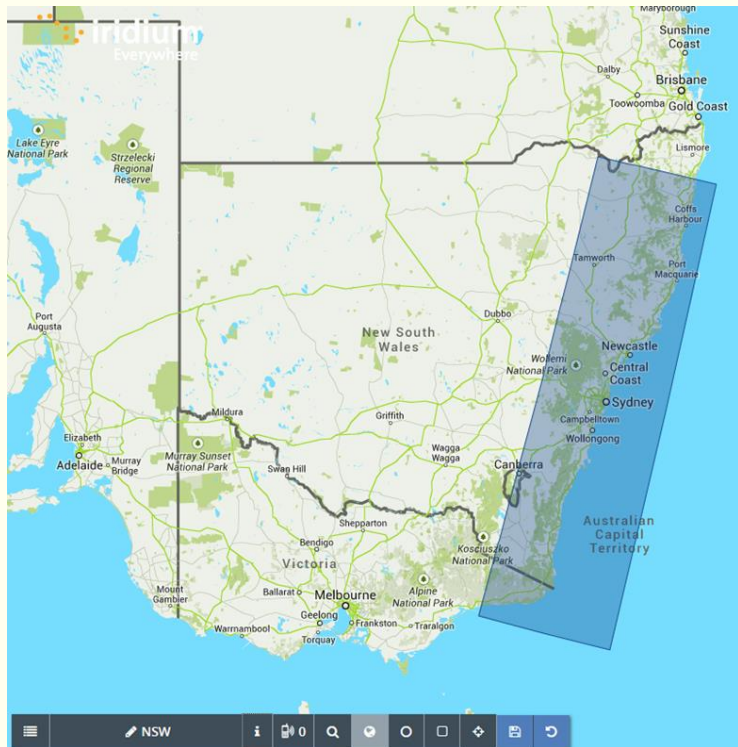


Three Regions

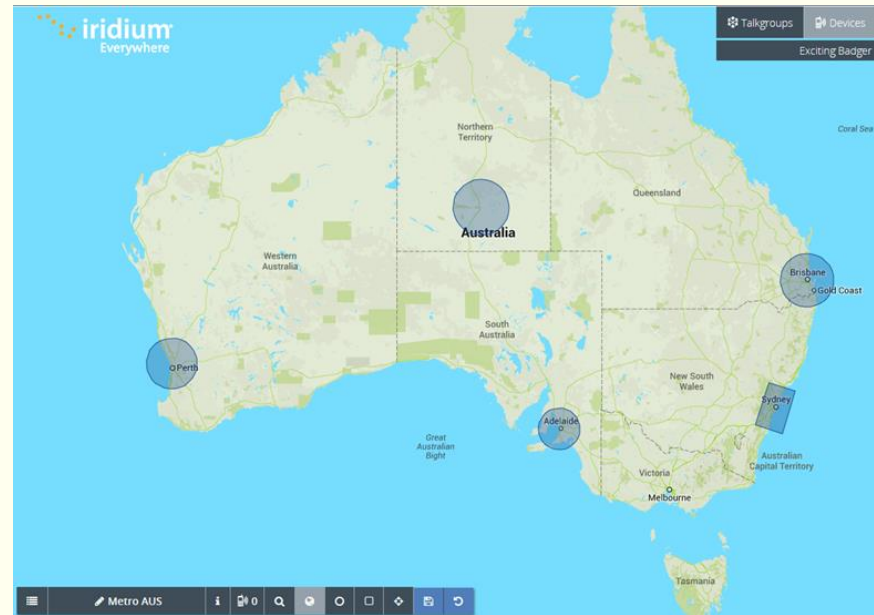


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Medium Talkgroup: Up to 300,000 km²



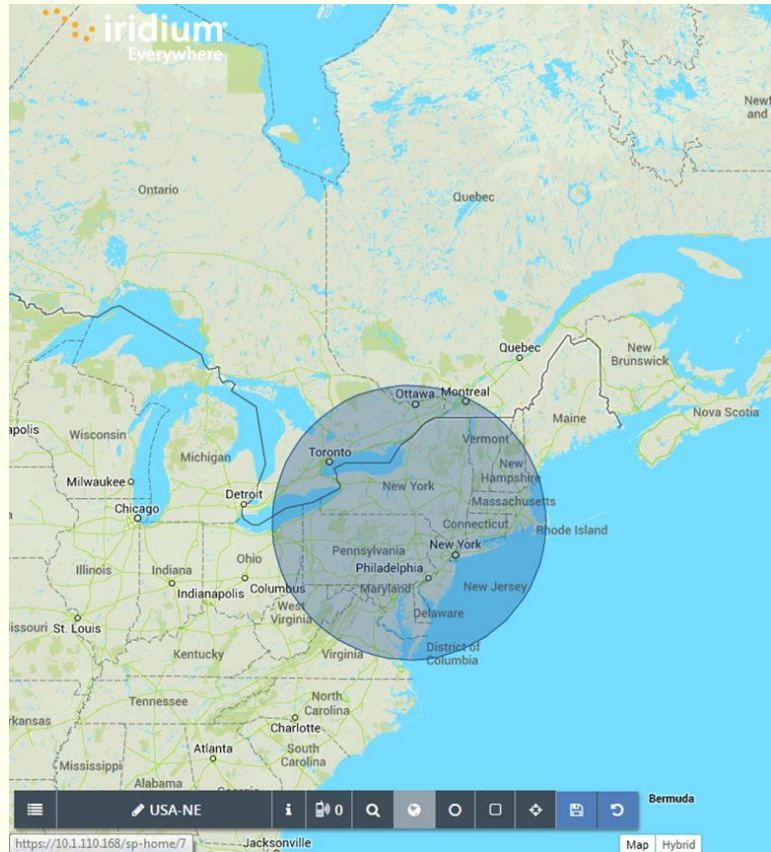
One Region



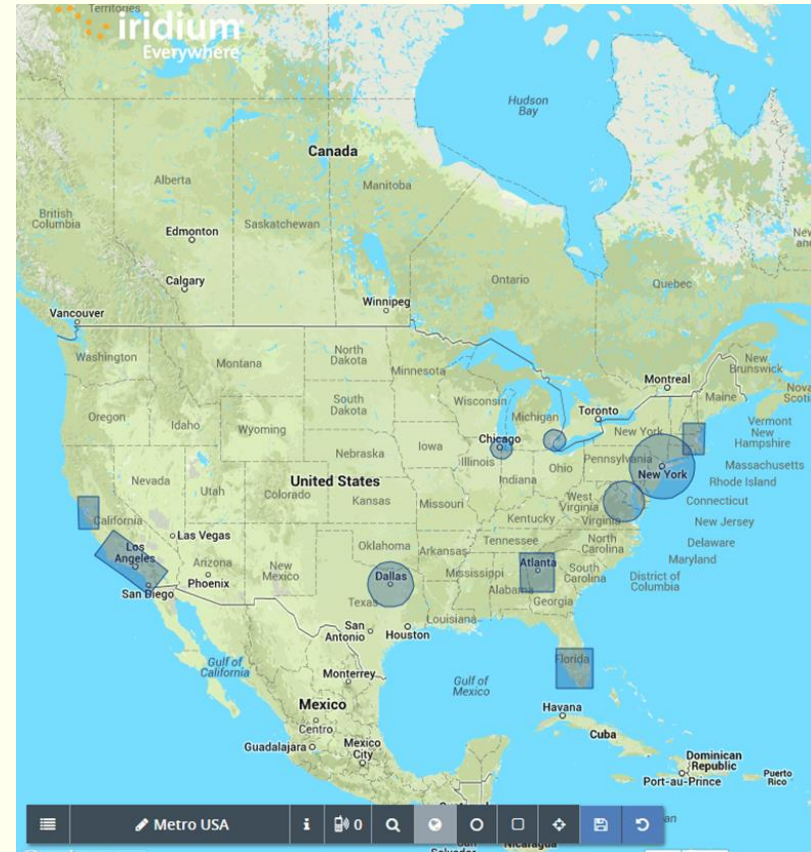
Five Regions



Large Talkgroup: Up to 750,000 km²



One Region



Ten Regions



Service Management

Centralized Controls

- All service coordination is performed using a single interface.

Direct Management

- End user organizations may control their own service and device parameters.

Over the Air Provisioning

- Talkgroup areas are changed in seconds.
- Changes to device membership is made available within seconds.

Device Controls

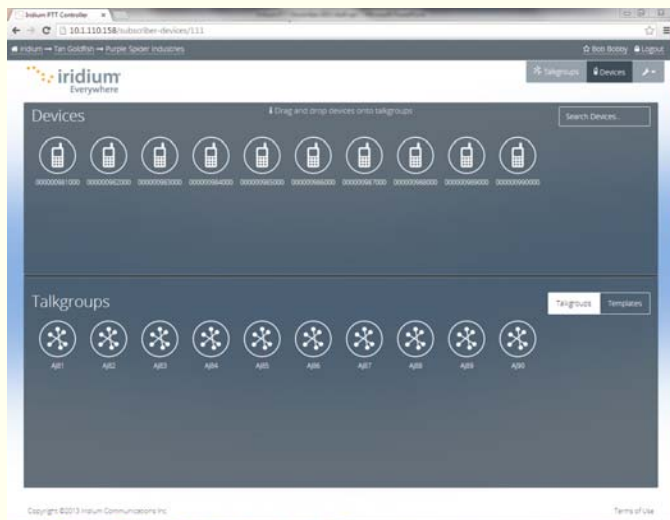
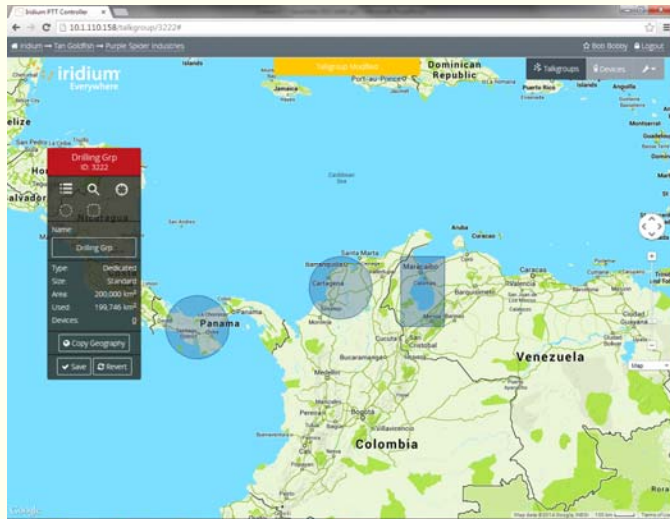
- Devices may be suspended or blacklisted within seconds.

Simple Graphical Interface

- Google maps utilizes in geo displays
- Easy drag and drop controls.



The Iridium PTT Command Center



- Geographic definition of each talkgroup
 - Google Maps interface
 - Talk groups are defined by a maximum size of 2.5 M Sq Km
 - From one to 10 different geographic areas may be included in a single talkgroup
 - Areas are defined on the map by creating circles and rectangles over the area you want to create a group
- Subscriber Equipment
 - Assign equipment to talk groups through a drag and drop
 - Up to 15 talkgroups may be assigned to each Subscriber Equipment
- Over the air provisioning to subscriber equipment



Command Center – Talkgroup Summary

Iridium → Tawny Trout Manufacturers → Mueller and Wakefield Unlimited

Bob Jones Logout

Talkgroups Devices

Search...

Talkgroups

Map	ID	Status	Area (km ²)	Confirmed	Hansets
	AA11 - ID:112	Hot	2000000	Confirmed	0
	AA12 - ID:113	Cold	2000000	Confirmed	0
	AA13 - ID:114	Hot	1000000	Pending	0

Note: The color treatments and brand representation are not final



Command Center -- Device/TG Mgmt

The screenshot shows a web browser window titled "Iridium PTT Controller" with the URL "10.1.110.158/subscriber-devices/111". The breadcrumb navigation shows "Iridium -> Tan Goldfish -> Purple Spider Industries". The user is logged in as "Bob Bobby" with a "Logout" link. The interface features the "Iridium Everywhere" logo and navigation tabs for "Talkgroups" and "Devices".

Devices Section:

- Instruction: "Drag and drop devices onto talkgroups"
- Search bar: "Search Devices..."
- 10 mobile phone icons representing devices with the following numbers below them:
 - 000000981000
 - 000000982000
 - 000000983000
 - 000000984000
 - 000000985000
 - 000000986000
 - 000000987000
 - 000000988000
 - 000000989000
 - 000000990000

Talkgroups Section:

- Navigation tabs: "Talkgroups" (selected) and "Templates"
- 10 network icons representing talkgroups labeled AJ81 through AJ90.

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Note: The color treatments and brand representation are not final



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Command Center - Device Detail

The screenshot displays the Iridium PTT Controller web interface. The browser address bar shows the URL `10.1.110.158/device/300000000982000`. The page header includes the Iridium logo with the tagline "Everywhere" and navigation tabs for "Talkgroups" and "Devices".

The main content area is divided into two sections:

- Device Information:** A sidebar on the left contains fields for "Name", "IMEI: 300000000982000", and "Comments". Below these are dropdown menus for "Priority Talkgroup" (set to "None"), "Device Status" (set to "Enabled"), and "Network Status" (set to "Enabled"). A "Save As Device Template" button is located at the bottom of this sidebar.
- Device Talkgroups:** The main area features a grid of 15 numbered slots (1-15) for assigning talkgroups. Above this grid are buttons for "Clear All Talkgroups", "Save", "Revert", and "Close".

Below the numbered slots is a "Talkgroups" section with the instruction "Drag and drop talkgroups onto device talkgroup slots". It contains ten talkgroup icons labeled AJ81 through AJ90, each with a network icon.

At the bottom of the interface, there is a copyright notice: "Copyright ©2013 Iridium Communications Inc." and a link to "Terms of Use".

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Device Features

Talker and Talkgroup Name

- Talkgroup and talker names may be assigned.
- Control of names is within the controller.

Talkgroup Membership

- Each device may be a member of up to 15 talkgroups.

Listener Priority Talkgroup

- Each device may be assigned a Priority TG that pre-empts all other traffic when active.

Talkgroup Monitoring

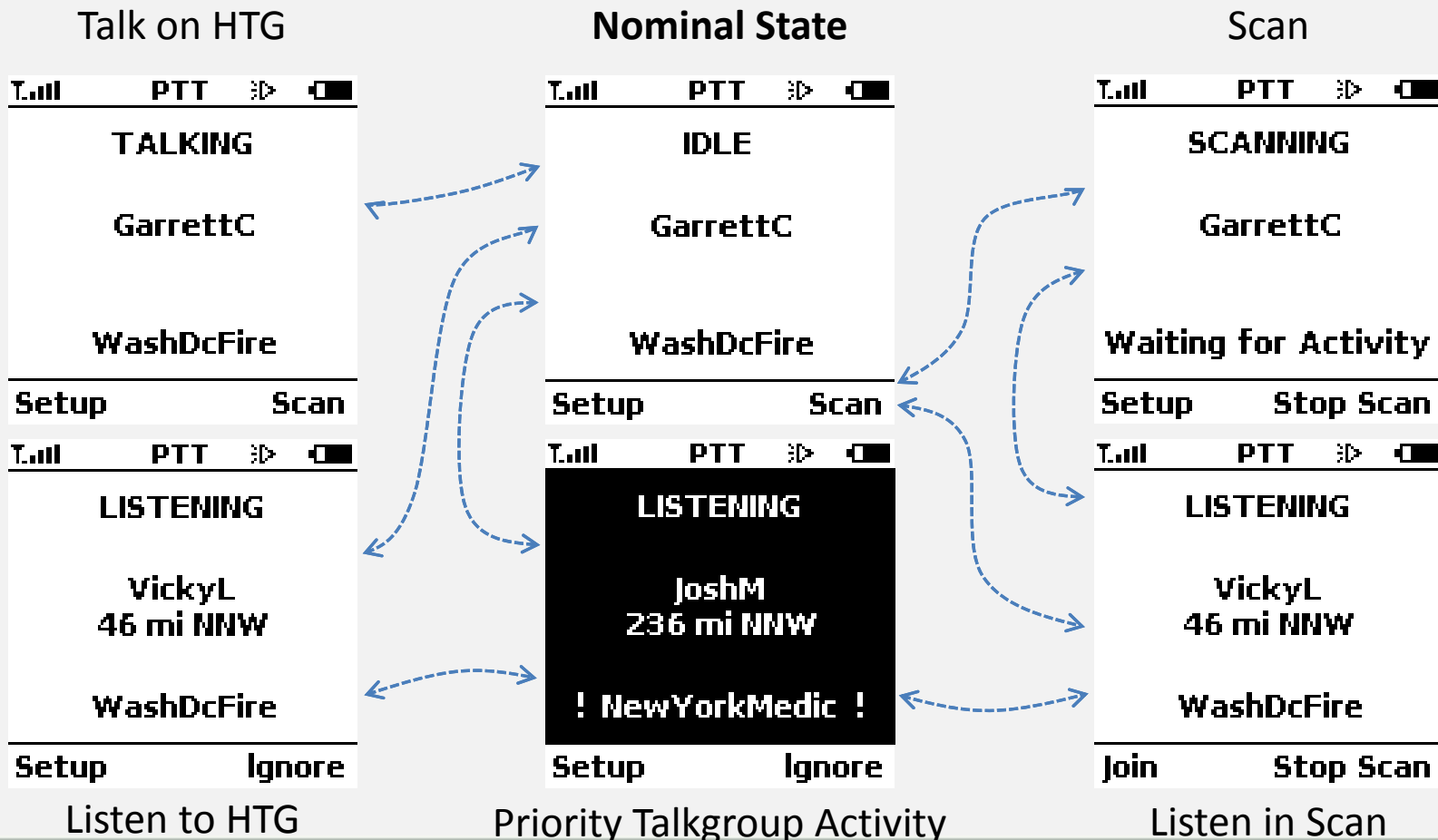
- Each device is informed of activities on all talkgroup to which it is a member.

Global Provisioning

- Device provisioning updates are applied anywhere on the planet regardless of talkgroup areas.



9575 PTT Interface Activity Detail



9575 PTT Home Talkgroup Selection

