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## ROAMING WITH IDAS™

Did you know you can roam with IDAS?

Using the IDAS IP Repeater Link and the built-in repeater and subscriber features, you can provide roaming capability without the need for channel changing.

### What is it?

This configuration allows users of an IDAS conventional digital system to roam between sites without the need to change channels for each site and without requiring registering on each site. By utilizing the proper programming settings for IDAS repeaters and subscriber units you can now travel between sites-no channel change necessary! This provides wide area roaming when the repeaters link via IP.

### How does this work?

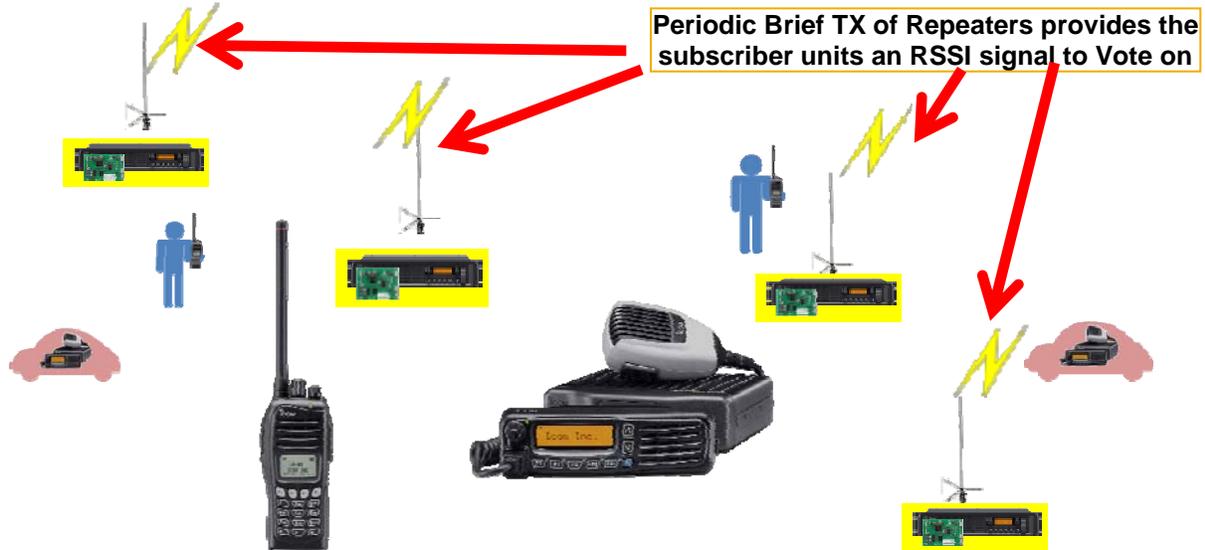
To utilize this configuration, the following is required:

1. Enable a periodic Repeater PTT (Beaconing – timing is adjustable from a minimum of 1 minute). This is an analog signal sent via CWID. The digital radio hears this signal in the background with no annoying audible tones.
2. Program a zone in the mobile or portable subscriber units as a Voting Zone
3. The repeater channels in the Voting Zone will be sampled periodically for strongest received signal strength indication (RSSI timing is adjustable).
4. The system will automatically assign a user, dynamically, the strongest site for communications.
5. No radio channel changing is necessary.



## DID YOU KNOW?

### Typical System Example:



### Required Equipment:

1. IDAS capable repeater (FR5000series/CY3000 series/IAS 100D)
2. UC-FR5000 trunking controller board (one per repeater) with CF-FR5000 card installed
3. F3161/4161 portable radios and/or F5061/6061 mobile radios for subscriber units

### Benefits:

1. Easy roaming operations for users. Turn on the radio and drive to various job sites. No channel changing or user training.
2. Subscriber units process the RSSI, not the system. No system registration required.
3. Expanded coverage range for system
4. Cost effective Wide Area Solution. Now more users can be loaded onto a system, increasing monthly revenue

### Who can use this?

This configuration allows one company or agency with multiple sites and multiple repeaters to roam with out changing channels. It's ideal for:

- Private system operators
- Large multi-location companies
- Local government
- Transportation companies
- Multi-jurisdictional agencies
- Delivery companies
- College campuses

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