



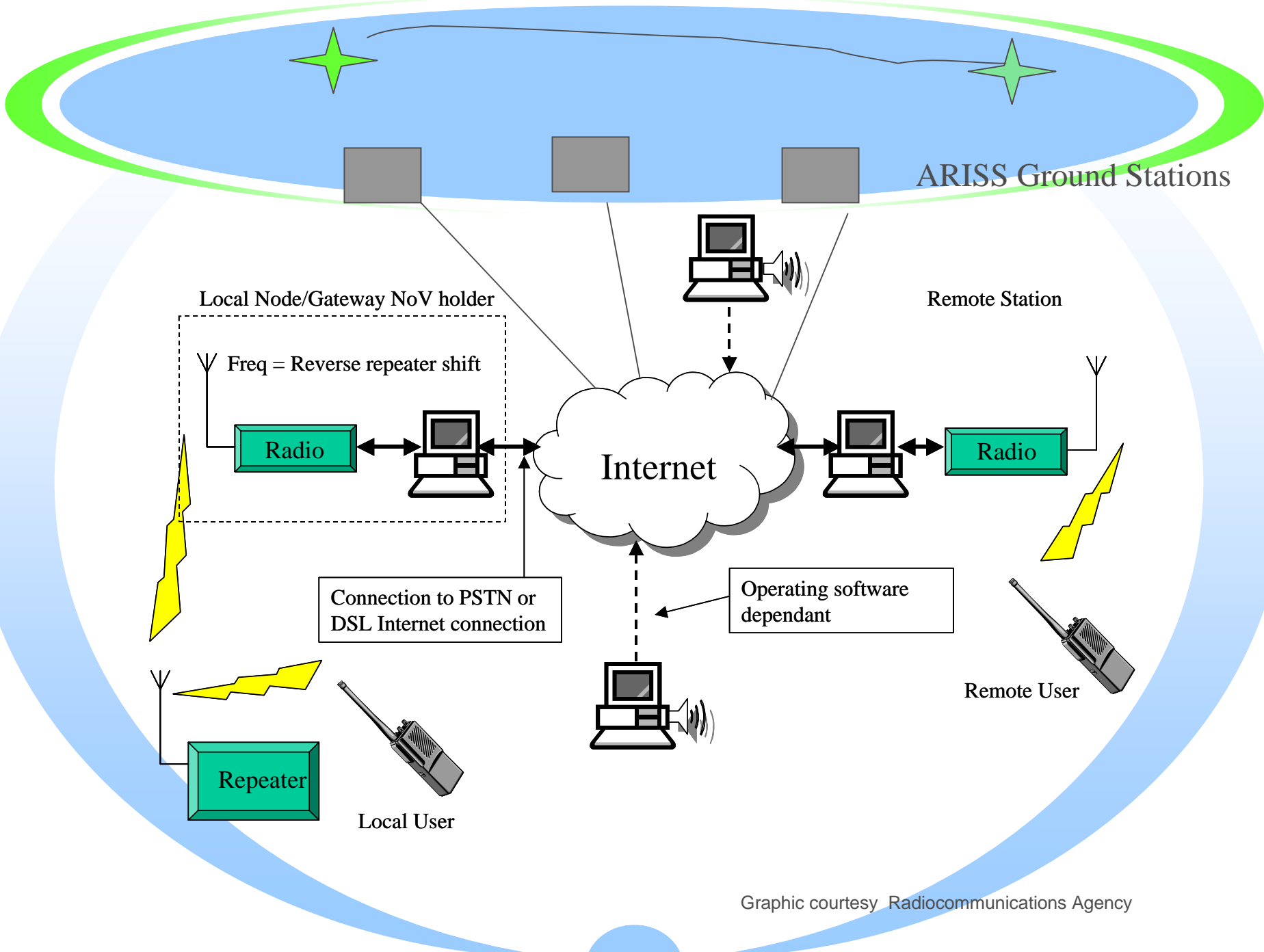
ISS Link

Linking the ISS to the Internet

Presented at ARISS March 2004
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Connecting Radio over IP

- EchoLink
 - Multiplatform internet linking
- IRLP
 - Linux based connected repeaters



Graphic courtesy Radiocommunications Agency

ISS over the Internet

- Use EchoLink/IRLP to keep in touch with the ISS!
 - **Stations located in key locations could be linked (conferenced in) and when a signal is fading out the next station would be unmuted.**
 - **Multiple, simultaneous school QSOs.**
 - All you need is your HT, a laptop and an Internet connection.
 - Extend the reach and talk time on a given pass with the ISS.
 - Replay most recent QSO.
 - Bulletin Board type notices.
 - **Security: Users verified, specified calls only allowed in during QSOs.**

Funding, Training, Timeline

- No funding initially
 - Volunteer ground stations supply hardware/internet connection
 - Software is FREE
- Training impact on ISS crew: NONE
- Time to use: within 6 months of test phase ending

Final Thoughts

- EchoLink was used to tie repeaters together during the Space Shuttle disaster recovery operation. EchoLink will no doubt be used in many new and interesting ways in the future.
 - Using the Internet for voice communication through applications like EchoLink/IRLP has generated a considerable amount of discussion in the ham radio community.
 - Internet linking provides yet another way we can get new people interested in our wonderful hobby, especially those already well-versed in how to use the Internet.
- Brings in older members who gave up on hobby after moving to more restrictive facilities. All they need is an HT or computer.



Thank you

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