Conference Bridge Net

Mark Herson, N2MH
May 2018
Conference Bridge Net

- Description
- Benefits
- Formal vs Informal Net
- Checkins
- It * is * a Real Radio Net
- Existing Net
- Two (or more) Conference Bridges Tied Together
Description

• A conference bridge net is one where the personnel who check in do so by calling a conference bridge on a Mesh based PBX.

• These check-ins can be:
  • Ham/EMCOMM operators
  • Served Agency personnel
Benefits

• Utilizes PBX infrastructure deployed on Mesh network - nothing else has to be added
• Most people are familiar with a conference bridge already - no special training needed
• Can be deployed to Served Agency personnel without needing a shadow radio operator - important for securing an operations site to few key personnel
• With proper planning and technology can be extended back to Command HQ
Formal vs Informal Net

• **Formal Net:** A net which has one central Net Control Station who directs all communication with the net.

• **Informal Net:** A net that has no central Net Control Station and which has stations transmit at will.
It IS a Real Radio Net

• What is different is the “radio” and the frequency.
  • The radio is now a Mesh node
  • The frequency is now 900 MHz, 2.4 GHz, 3.4 GHz. Or 5.6 GHz.
  • The mic is now a telephone
  • Still over the air and on radio!
Weekly Net Currently in Operation

• Monday nights @ 8:00 pm Pacific time
• Established by Keith AI6BX this year
• Informal net
• Many interesting topics discussed each week (mesh, etc)
• Check-ins from
  • Redlands, CA
  • Tennessee
  • New Jersey
  • Alberta, Canada
• Up to 20 people have been on the net at one time
• Accessible by anyone who has access to the Meshphone VoIP network
Two Conference Bridges Tied Together

- It is possible to join conference bridges together to effectively make one larger bridge
  - N2MH Bridge in NJ links into AI6BX Bridge in CA (on the air and working)
  - VE6VH Bridge in AB connects into N2MH Bridge in NJ (under development)

- Why?
  - Make more ports available for participants
  - Span a larger geographical area
  - Conserve bandwidth
  - Link conference in field with one back at Command
73!

73 and Happy Phoning!

N2MH Mark
KD2KHJ Karen
n2mh@n2mh.net