



# ASRI Frequency Utilization

AFC June 2016 Meeting – Portland, OR

# Frequency utilization challenges



- Congestion – 6,192 current assignments.
- 128 channels in lower-band total.
  - 32 are secondary to Canada (90% of Canadian assignments within 100 miles US border).
  - 32 are US primary.
  - 64 are shared US/CA.
- 9 channels set aside for data networks.
- 119 channels available for voice.

# Possible Assignment policy changes

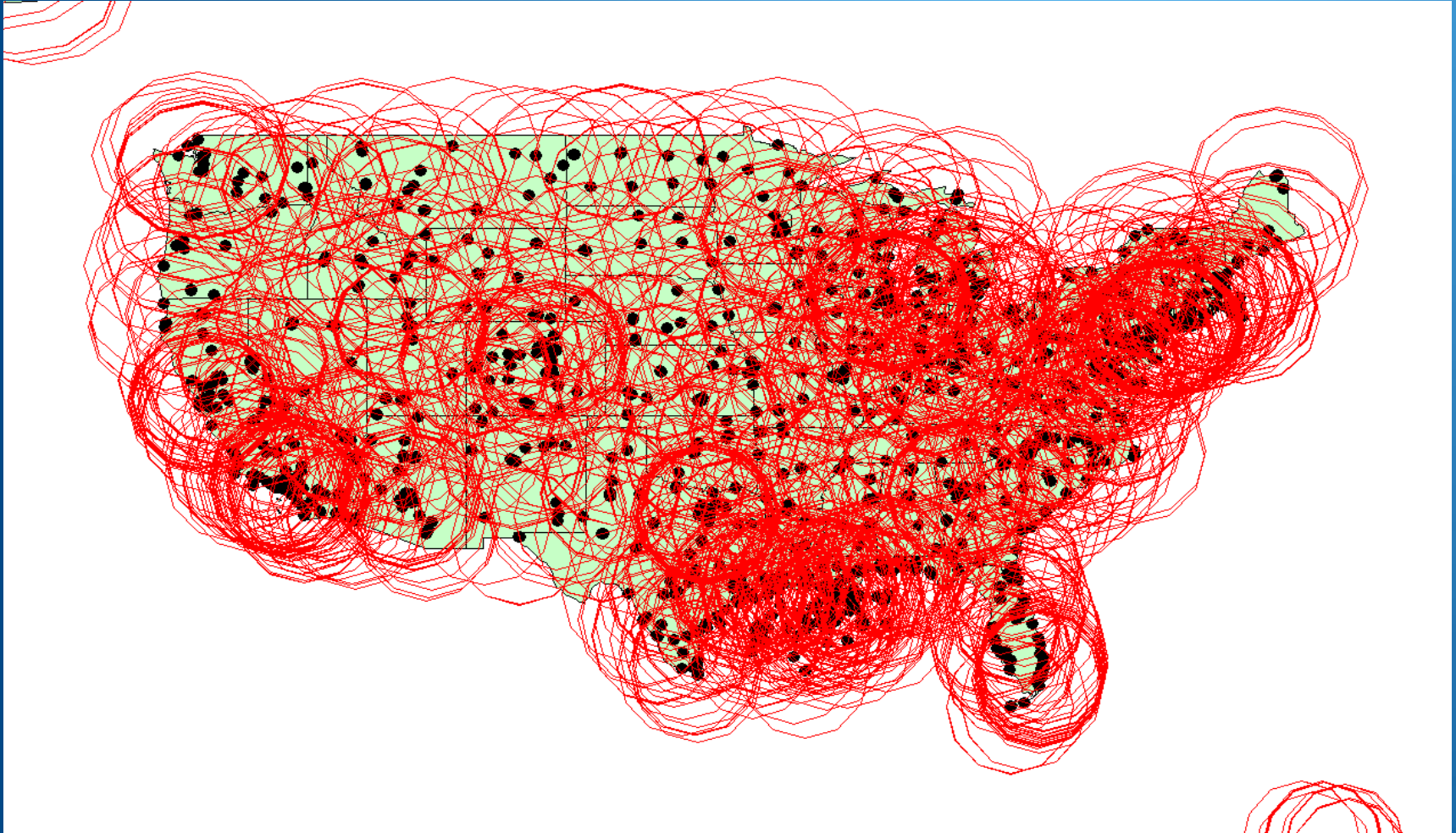


- Make no changes to existing assignment policies and procedures
  - LL assignments at 300 nm
    - Currently investigating using 250 LL coordination
  - Shared use of spectrum
- ASRI investigation into frequency use
  - Check to see what frequencies are actually being used for reassignment
  - Availability determined via spectrum monitoring, station inspections and other applications
- 8.33 frequency assignments
  - Ask new users if they are capable of accepting an 8.33 channel assignment on the coordination form



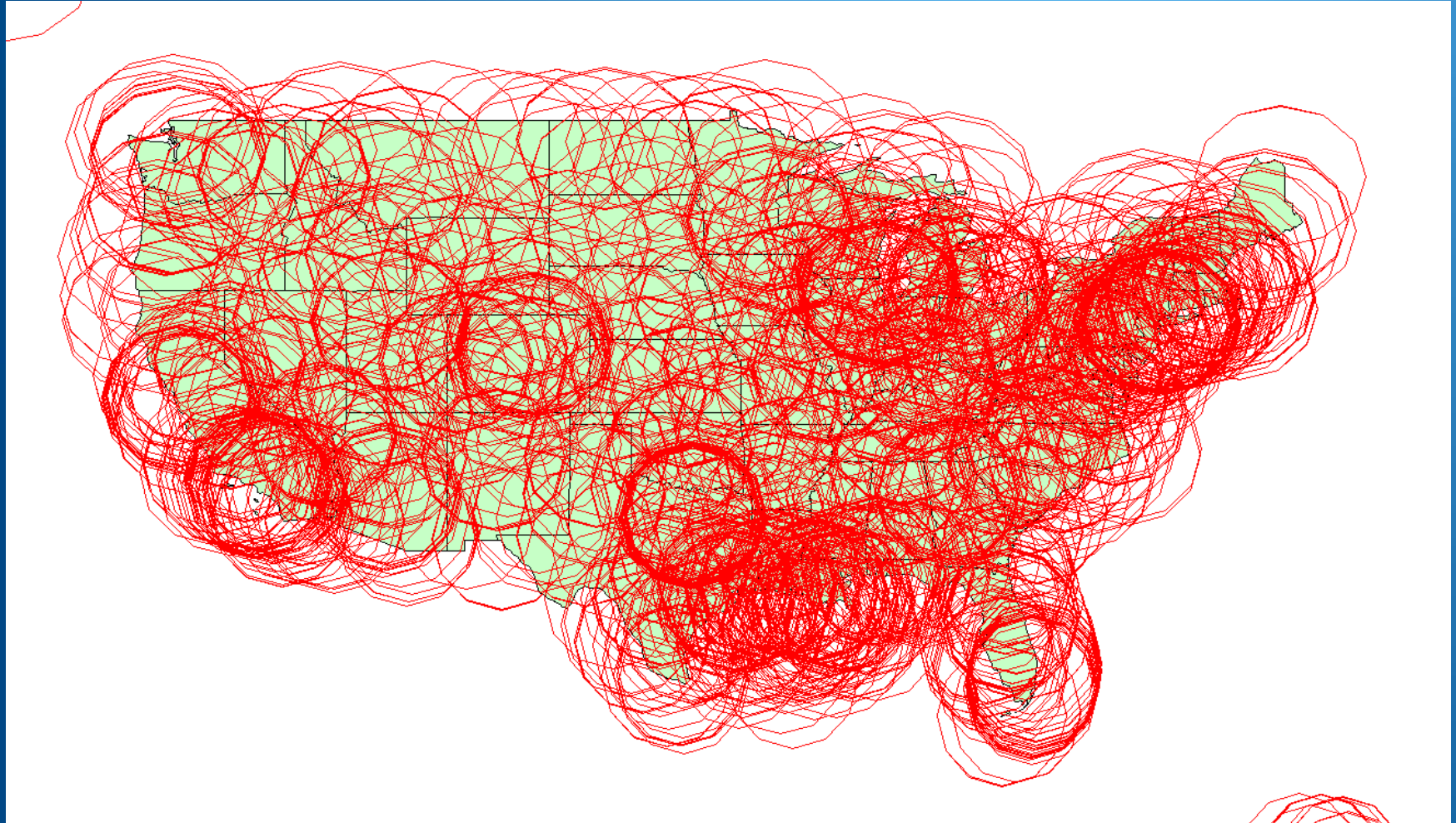
# Voice and Data combined

6,192 assignments



# ASRI Voices Stations

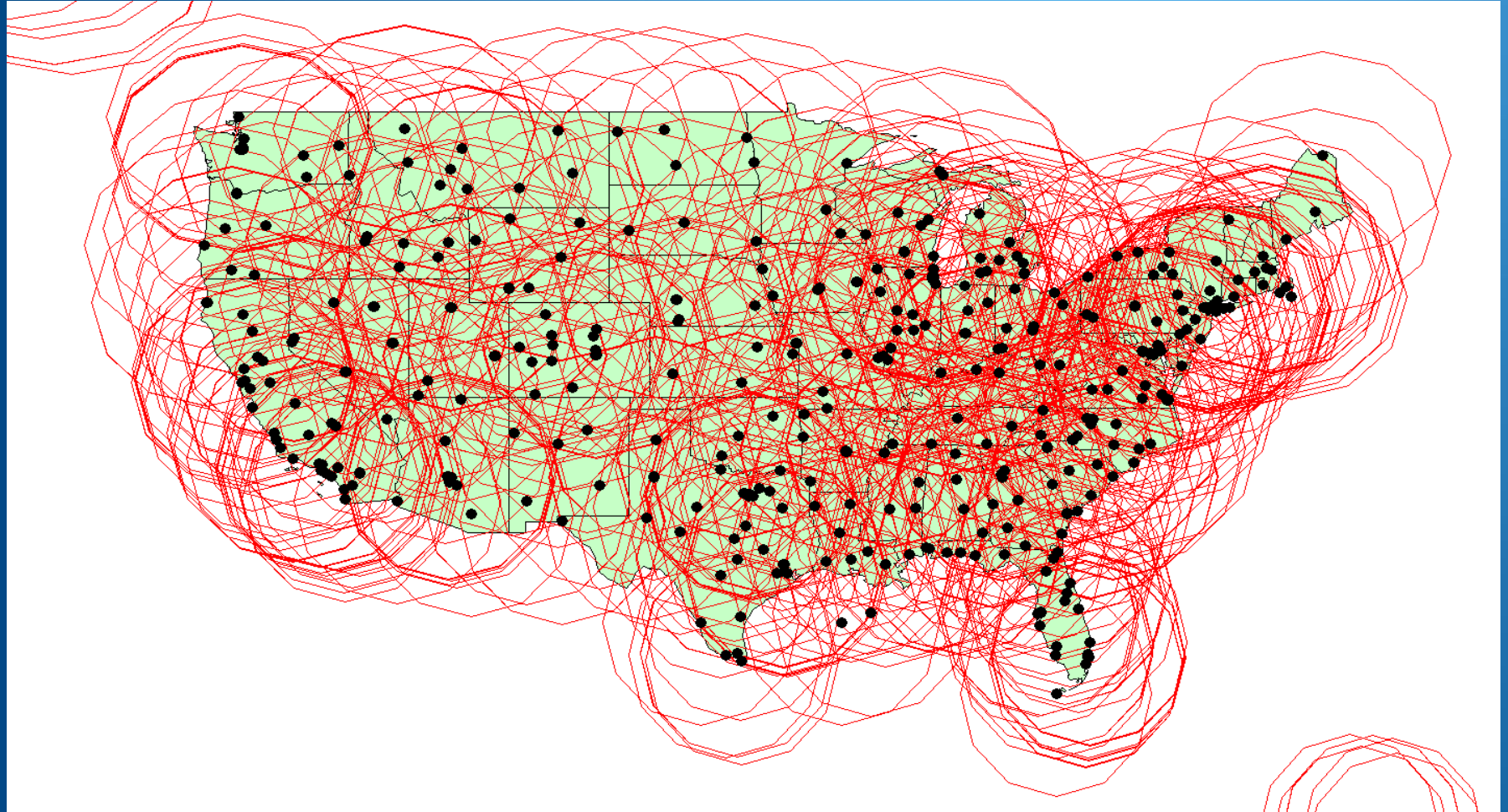
3986 assignments





# ACARS Combined

1240 assignments



# Summary



- All U.S. assignments are considered congested.
- The U.S. North Eastern region is nearly out of available frequencies to assign.
- All unused frequencies need to returned to the frequency pool for reassignment as needed.



# Questions?