Multicast versus WiFi

Mike McBride, Charlie Perkins

draft-mcbride-mboned-wifi-mcast-problem-statement

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Overview

- Motivation
- Issues raised
- Next steps

Three issues

- Low Bandwidth
  - Constrained by slowest local recipient
- Increased congestion
  - Due to longer occupancy of the physical medium
  - Also the need for higher power
  - _Hundreds_ of times as much interference
- Poor reliability
  - 802.11 products are optimized for unicast
  - Delivery is not acknowledged at layer 2

Workarounds

- Conversion to serial unicast
  - Pretty much defeats the purpose
- More ideas needed

Next Steps

- Identify other issues (if any)
- Analyze extent performance degradation
- Identify more reasonable workarounds
- Possibly consider 802.15 as well
- Ask for encouragement to continue the work
- Resubmit for fuller consideration at next IETF