

Panel: Impediments to Commercialization

- Vendors
 - Dean Brenner, Qualcomm
 - Jake MacLeod, Telecommunications Industry Association
- Operators
 - Stacey Black, AT&T
 - Steve Sharkey, T-Mobile
 - Scott Bergmann, CTIA (for Chris Guttman-McCabe)
- Users
 - Brett Kilbourne, Utilities Telecom Council
 - Mark Cooper, Consumer Federation of America

Charge to the panel members

- Key impediments to commercialization / wide use?
- Of what?
 - spectrum sharing
 - dynamic spectrum access
 - licensed shared access
 - other efficient approaches
- 5 minutes, just give the bullet points.
Anything is fair game:
 - Commercial
 - Technical
 - Policy
 - Regulatory
 - Standardization
 - Economic issues

Questions

1. Why is 2-tiered sharing model better than 3-tiered sharing model?
2. Would it help deployment if carriers were regulated as a (monopoly) utility?
3. Are the devices driving the network buildout towards sharing?
4. Why is the appropriate model for sharing “as close as possible to exclusive licensed” rather than “as close as possible to unlicensed”?

Questions

5. What in the current rules prevent a licensee from developing a small cell offload network?
6. Can we come up with other efficiency metrics that value the special features of decentralized networks – such as ability to access in a highly congested situation – as opposed to networks with central operator control.
7. What can the cellular industry do to support sharing themselves? Or support sharing by DOD users who face adversaries?

Questions

1. A cellular network is a shared system.
WiFi is shared spectrum.

Vendors/Operators: What are you doing to improve access certainty for users who need guarantees?

Users: What are you doing to get the guarantees you need?

All: What lessons will help improve future sharing?

Questions

2. What enforcement mechanisms are needed to support future spectrum sharing?

Legal, technical, trusted third parties, measurement standards, ...?