



Public Safety Communications Research
(PSCR)

Project Expectations – Vendor Perspective

Department of Commerce – Boulder Labs

Vendor Opportunity

- LTE is a very new technology and just getting implemented – as such, there is great interest to seek out new markets where the current cellular market is near saturation. Public Safety and Band Class 14 offer this new opportunity.
- The way in which the Public Safety broadband network will be designed and used will likely be different from existing commercial networks

Vendors

- Baseband & RF Chipset
- Ue
- eNodeB
- EPC
 - S-GW
 - P-GW
 - MME
 - HSS
- IMS
 - PCRF
 - Application Servers
- Application Developers
- Backhaul
 - Aggregation
 - Microwave
- Network Integrators
- RF & Network Planning Tools
- Service Providers
- Test & Post Processing Equipment
- Antenna & Filter

Example Topics

- Shared/Leveraged network interoperability between different sub networks, with different network topology and content.
 - E.g. State system to commercial carrier, inter-RAT HO
 - O&M interfaces for public safety
 - Multiple PLMN and/or APN
 - SFN or FFR(3) network design

Example Topic (Cont'd)

- Network design philosophy – coverage or capacity?
- RF emission and inter-modulation issues with Band Class 14 and 700 MHz Narrowband
- Broadcast services via eMBMS or MBSFN

Discussion

- What are the 3-4 things each of you want to get out of this network?
- Concerns?
- Other general reactions?
- Equipment delivery timelines?
- Resource requirements this will place on you?

Questions?