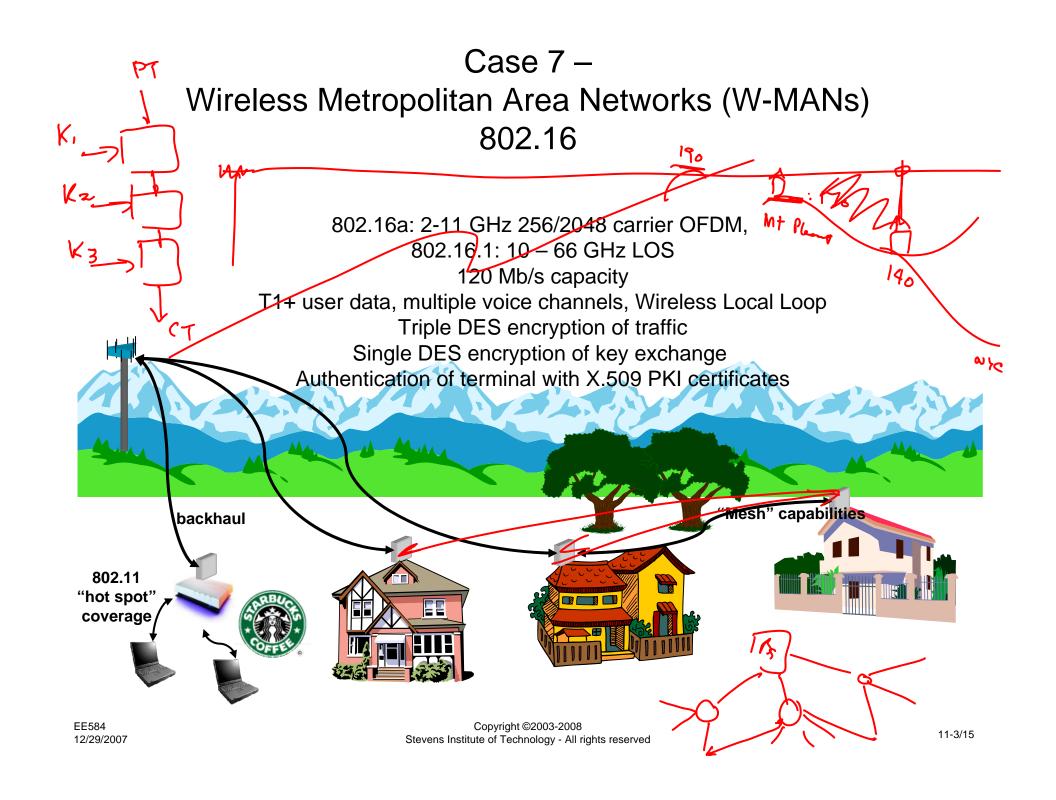
Wireless Systems Security

EE/NiS/TM-584-A/WS

Bruce McNair bmcnair@stevens.edu

Week 11

Case Study 7



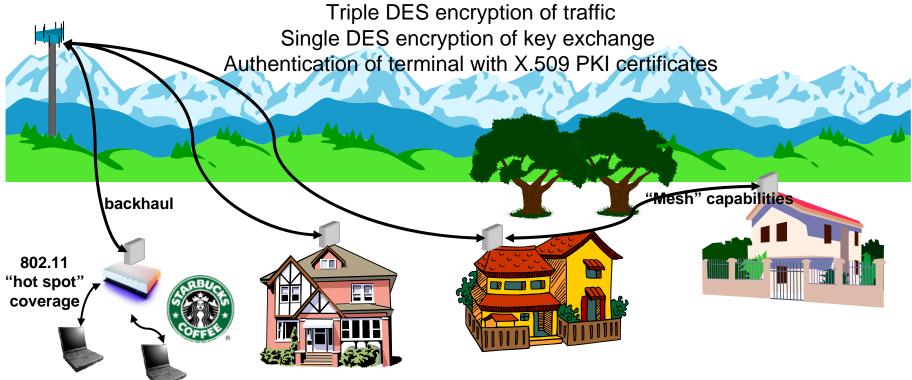
Case 7 – Wireless Metropolitan Area Networks (W-MANs) 802.16

802.16a: 2-11 GHz 256/2048 carrier OFDM,

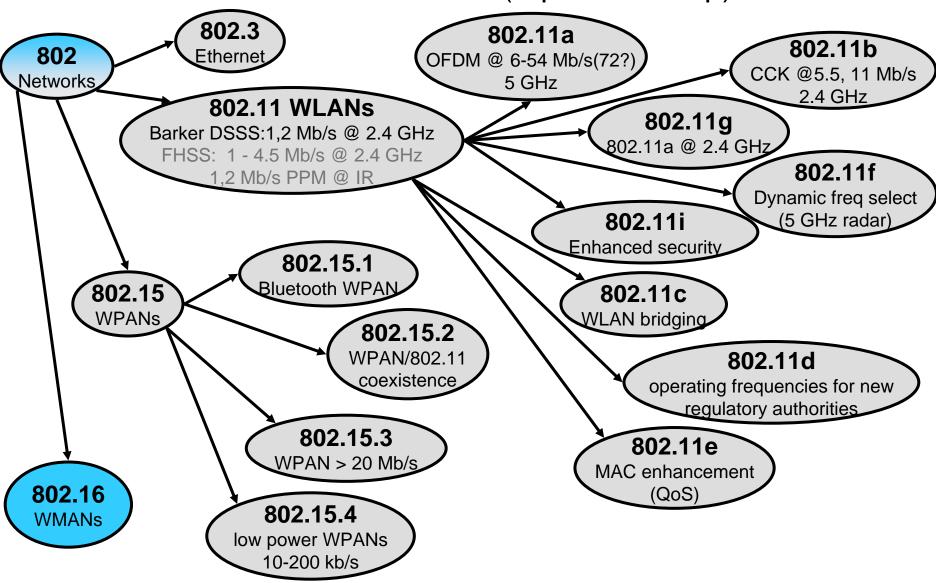
802.16.1: 10 - 66 GHz LOS

120 Mb/s capacity

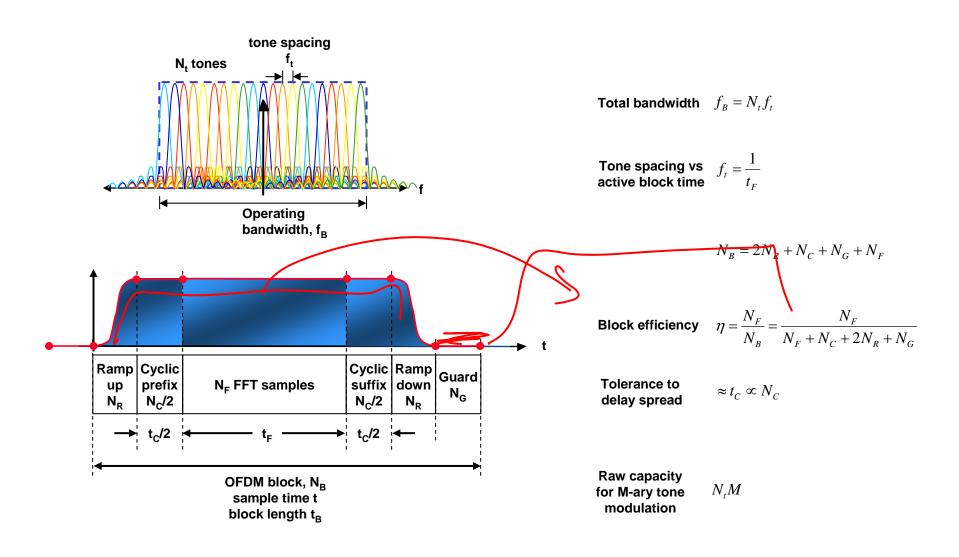
T1+ user data, multiple voice channels, Wireless Local Loop

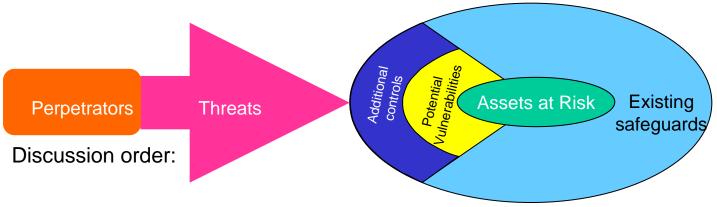


IEEE 802 Standards (Alphabet Soup)

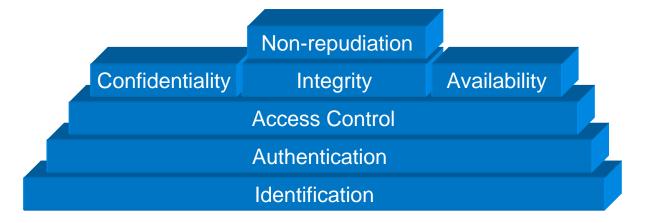


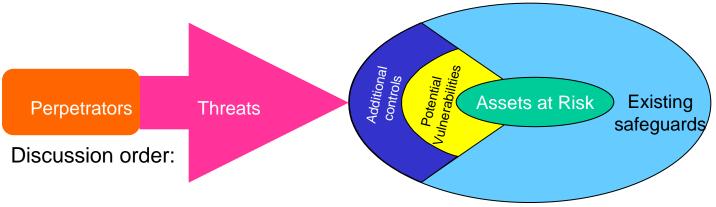
OFDM Basics





- Assets
- Perpetrators
- Threats
- Existing Safeguards
- Potential Vulnerabilities
- Additional Security Controls





- Assets
- Perpetrators
- Threats
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