



TCM-SOLDIER

Dismounted Mission Command

MAJ Patricia Rabiou – M/HH CE Future Requirements



Dismounted Mission Command Focus Area



Capabilities Development & Integration Directorate

Connecting Soldiers and Squads to the Network for Situation Awareness

Description: Use commercial smart devices with tactical applications to provide dismounted leaders situational awareness during combat/spectrum operations.

• Where We Are Today

- Using Commercial off the shelf End User Devi (Keeps pace with technological advances)

- Network Cross Functional Team (CFT)

- CSA Priority
- Network Demo

• Where We Are Going

- Capability Integration:

- 4G / LTE
- Control of Soldier Borne Sensors
- Beyond Line Of Sight (BLOS) Capability
- Intra-Soldier Wireless: Enable Soldier-Worn Systems to communicate and share power
- Full Motion Video
- Two Channel Terrestrial Transport (Leader Radio)





Mobile Hand Held CE Top Ten



Capabilities Development & Integration Directorate

- 1. Robust network transport (multi band, multi channel, multi waveform)**
- 2. EUD to control and share Full Motion Video from Soldier Borne Sensors**
- 3. Air-Ground Integration**
- 4. Assured PNT in a GPS denied environment**
- 5. Horizontal / vertical voice / data route retransmission; BLOS**
- 6. Secure wireless capability for dismounted leaders**
- 7. User friendly ability to connect and use multiple networks**
- 8. Radio battery-life improvement/optimization**
- 9. Over the Air capability for data product, software (plus applications), IA, and COMSEC downloads**
- 10. Intra Soldier Wireless (Cable Free)**



Questions