Dismounted Mission Command
Dismounted Mission Command Transition to Mobile HH CE

Incremental Modernization

Land Warrior Capabilities
- C2 Interoperability
- User Defined Operational Picture
- Create / Send / Receive Digital Messages
- Voice / SA / C2 to Leader
- Voice / Individual Location for all Soldier
- Enhanced Mission Planning
- Weight & Space Reductions (10 lbs)
- Power for 24 Hour Operations
- Enhanced Navigation
- Enhanced Night Vision (Fusion Technology)
- Networked Lethality

Nett Warrior Capabilities
- Net Ready: Interoperability w/external sensors, JBC-P, Fires Control Systems
- Mission Command & SA
- Digital Voice / SA / C2 to Leader
- Voice/ Individual Location Indicator to all Soldiers
- Ability to create / send / receive digital messages
- Enhanced Mission Planning Capability
- Precision Navigation
- Sustainability: Sufficient Power and system reliability of .85 for 24 hrs of continuous operation
- Mobility: System Weight Reduction (≤ 3lbs)

Mobile H/H CE Capabilities
- Nett Warrior as core C2/SA application on Mobile H/H CE
- Standard Graphical User Interface
- Situational Awareness filtering
- Measure Tool and Route Planning/Navigation capability
- Map Views / Zoom capability
- Network Data Exchange with Address Book/Groups
- Enhanced Security & Information Assurance
- Standard, Shareable, Geospatial Foundation
- Common Map Overlay
- Assured-Position, Navigation and Timing
- Interoperable Chat
**Description**  Uses commercial smart devices with tactical applications networked through JTRS to provide dismounted leaders situational awareness (SA) during combat operations.

**Capabilities**
- Provides SA/Understanding to the dismounted leader (Team Leader & above)
- Faster, more accurate decisions in the tactical fight
- Connects the dismounted Soldier to the BCT Network

**Critical Tactical Capability:**
- Where am I?
- Where are other friendly forces?
- Where are enemy forces?
- What information do I need?

**Networked Leaders**
Mission Command thru JCR / JBC-P

**Linked to Army Blended Training:**
- Army Training Network
- Army Games for Training

**Tactical Messaging:**
- Observation Report
- Obstacle Report
- Engagement Report
- NBC strike Report
- MEDEVAC
- IED Report

**Capabilities**
- Dismounted Situational Awareness/Command & Control
- Digital Chemlights
- Map overlays and graphics
Dismounted Mission Command
Focus Area

Connecting Soldiers and Squads to the Network

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

• Where We Are Today
  - Using Commercial off the shelf End User Devices (Keeps pace with technological advances)
  - Technological improvements insertions through annual Capability Steering Boards
  - One Channel Transport (SRW)

• Where We Are Going
  - Future capability integration:
    ➢ 4G / LTE
    ➢ Full Motion Video
    ➢ Control of Soldier Borne Sensors
    ➢ Intra-Soldier Wireless: Enable Soldier-Worn Systems to communicate and share power
    ➢ Two Channel Transport (Leader Radio – SRW, SINCGARS)
    ➢ BLOS
    ➢ Networked Lethality
Dismounted Mission Command
Mobile Hand Held CE Top Ten

1. Robust network transport (multi band, multi channel, multi waveform)
2. Digital Data Link (DDL); 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; beyond LOS
6. Secure LTE wireless capability for dismounted leaders
7. User friendly ability to connect and use multiple networks (SRW/LTE)
8. Hands free, heads up control
9. Over the Air capability for data product, software (plus applications), IA, and COMSEC downloads
10. Intra Soldier Wireless (Cable Free)
Questions and Discussion