Joint Base Lewis McChord & Yakima Training Center

**JBLM Mission Training Complex**
- Battle Command & Leader Training for Large & Medium Sized Units (Collective Tng Focus)
- Call for Fire Trainer (CFFT)
- First Person Sims (FPS)
- Engagement Skills Trainer 2000
- Force XXI Battle Command Brigade and Below (FBCB2) Training

**Yakima Training Center (YTC)**
- 511 square miles
- 400-4100 elevation
- 22,000 acres impact area
- Weapons, aviation, and other specialized ranges
- Multipurpose Training and Exercise Facility

Distribution Statement A; Approved for public release, Distribution is unlimited.
5G Infrastructure and Network Experiments

• 5G Infrastructure
  - Radio Access Network (including fixed and mobile base stations as required)
  - Transport Network (connectivity between RAN elements and Core)
  - Core Network (virtualized and stand-alone)

• Network Experiments
  - Large bandwidth channels
  - Network slicing
  - Advanced network security
  - Massive Machine to Machine Communications (MTC)
  - Open 5G implementations
Augmented Reality/Virtual Reality (AR/VR)

- Prototype and integrate enabled AR/VR hardware and software
  - Integrated Visual Augmentation System (IVAS)
  - Synthetic Training Environment (STE)
  - Multiple Integrated Laser Engagement System (MILES)
- Develop a venue (i.e., testbed) to characterize the capabilities
- Assess the efficacy of the prototype in supporting AR/VR enhanced distributed ground combat training
- Contribute to Army AR/VR operational concept development
AR/VR Outcomes

• Rapidly field a scalable, resilient, and secure 5G network at JBLM and YTC that serves as a prototype design for the DoD and Army Enterprise

• Provide a JBLM test bed for experimentation with advanced 5G networking capabilities

• Develop and field an Army 5G enabled AR/VR capability for mission planning and training

• Improve the operational capability of the JBLM MTC and the lethality our Soldiers in the field
It's important that we get your best...