LTE-Xtend (ATC 16)

- Tunnel Option Customization
  - Categorize tunnels based on device
- Centralize control plane functions
- Group Tunneling
  - Group multiple devices in same tunnel

Possibilities

Reduce Mobility Overhead

- Massive IoT deployment
- Not all devices are going to be mobile
  - Indoor static devices
  - Within the building movement
- Large portion of signaling overhead is due to mobility concerns
  - Reconfigure protocol to reduce this overehead for static devices

IoT Manager

- Many IoT devices may run single application
- Use an IoT manager in EPC to better manage these devices
  - Group services for multiple IoT devices in one connection
  - Non-real time services can be delayed if network is overloaded
    - Store states and initiate connections when needed