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Network 2020: Meeting Critical Requirements for Seniors and Persons with Disabilities

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5G – next generation wireless standard

Better Performance

- More capacity
- Latency below 1ms
- Multi-gigabit speeds

Lower Cost

- Less time & less cost to deploy
- Less manual management

More Things

- Connectivity everywhere, all the time
- Optimize the connection for the device need

Considerations

- Standards not complete
- Lower range/less penetration = smaller, more numerous antennae

Internet of Things (IoT) - Cargo View / FlightSafe

Features:

- Size of a deck of cards
- Battery life:
 - 3-11 days
 - Future - up to 10 years

Measures:

- GPS Location
- Temperature
- Humidity
- Pressure/Altitude
- Light
- Shock
- Vibration
- Motion



IoT Benefits

- Connectivity
- Measurement & Control
- Integration to devices/environments
- Software User Interfaces
- By 2020:
 - 20-50 Billion IoT devices
 - Over 1.5 Billion on Cellular radios

ns with Disabilities



AT&T