ANSI UAS Standardization Coordination May 19, 2017 Washington, DC

UAS Standards Areas of Focus

Peter Musgrove AT&T Principal Member of Technical Staff Core Network & Gov't/Regulatory Standards

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Categorization of UAS Standardization Activity

Network Optimizations (LTE enhancements, 5G)

- 3GPP RAN study item
- ATIS UAV Program
- GSMA drones interest group

Communications for Command and Control (Authorization to Fly, Location)

- 3GPP RAN study item
- ATIS UAV Program
- GSMA drones interest group
- NPSTC UAS and Robotics working group

Identification of Drones (On cellular network, and for remote identification)

- 3GPP RAN study item
- ATIS UAV Program
- GSMA drones interest group
- CTA
- NPSTC UAS and Robotics working group



Standards Should Assist with High Priority Use Cases

Public Safety

- Public Safety deployables for areas that currently lack coverage
 - Remote areas that might otherwise lack basic cellular coverage
 - Areas with infrastructure destroyed by wildfires, earthquakes

Operations

- Cell tower inspection
- Network repairs, disaster recovery, etc.
- Provide supplemental coverage for special events

Commercial/Government

- Package delivery
- Surveillance
- Chemical, Biological, Radiological, and Nuclear (CBRN)

Consumer





Thank You

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