

Nationwide Interoperability Framework (Order and FNPRM)

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Nationwide Interoperability Timeline

□ **April 2010**

- Creation of the Emergency Response Interoperability Center (ERIC)

□ **May 2010**

- Waiver Order granting approval of 21 petitions

□ **December 2010**

- Interoperability Framework Order for waiver recipients

□ **January 2011**

- Interoperability Third Report and Order and Fourth Further Notice of Proposed Rulemaking (Order and FNPRM)



Interoperability Third Order

- **Adoption of a single common air interface, Long Term Evolution (LTE)**
 - At least 3GPP Standard E-UTRA Release 8 and associated EPC
 - necessary to ensure backwards-compatibility.

- **Adoption of key LTE interfaces**

- **Stay the Commission rules**
 - requiring a Mandatory Public-Private partnership for the deployment and operation of the public safety broadband network.



Interoperability Fourth FNPRM

- **An architectural vision for a nationwide network and interoperability to address**
 - Components of the Nationwide Network
 - Regional Network Characteristics
 - Supporting Voice and Data Communications
 - Roaming Authentication and Interworking Functions
 - Nationwide Backbone Network
 - Nationwide Services and Capabilities
 - Evolution



Interoperability Fourth FNPRM

- **Definition of Interoperability**
- **Open Standards**
- **Technology Platform and System Interfaces**
- **System Identifiers - Network ID (PLMN ID)**
- **Roaming Configurations**
- **Roaming Authentication & Interworking Functions**
- **Network Interconnectivity**



Interoperability Fourth FNPRM

- **Priority Access and QoS**
- **Mobility and Handover**
- **Applications**
- **Security**
- **Interconnectivity with Public Safety Legacy Networks**
- **Conformance Testing**
- **Interoperability Testing (IOT)**



Interoperability Fourth FNPRM

- ❑ **Out-of-Band Emission & Related Requirements**
- ❑ **Performance**
- ❑ **Network Capacity**
- ❑ **Robustness and Hardening**
- ❑ **Coverage Requirements**
- ❑ **Coverage Reliability**
- ❑ **Interference Coordination**



Interoperability Fourth FNPRM

- ❑ **Network Operations, Administration and Maintenance**
- ❑ **Reporting on Network Deployment**
- ❑ **Devices**
- ❑ **In-Building Communications**
- ❑ **Deployable Assets**
- ❑ **Use of the Public Safety Broadband Network for Fixed Uses.**
- ❑ **Incumbent Narrowband Operations**
- ❑ **Eligibility Under Section 337**
- ❑ **Federal Use**



Thank You !

Questions?

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