

FIRST RESPONDER NETWORK AUTHORITY OVERVIEW



FirstNet™

FIRSTNET VISION

To provide emergency responders with the first nationwide, high-speed, wireless broadband network dedicated to Public Safety



FIRSTNET GOALS

- Interoperable communications
- Solutions for serving rural and underserved areas
- Augments voice capabilities of today's Land Mobile Radio System
- Public Safety Grade Network
- Priority Access to public safety users
- Services to public safety at a compelling cost
- Network security controls that protect against cyber threats
- Redundant connections between cell sites and the core network

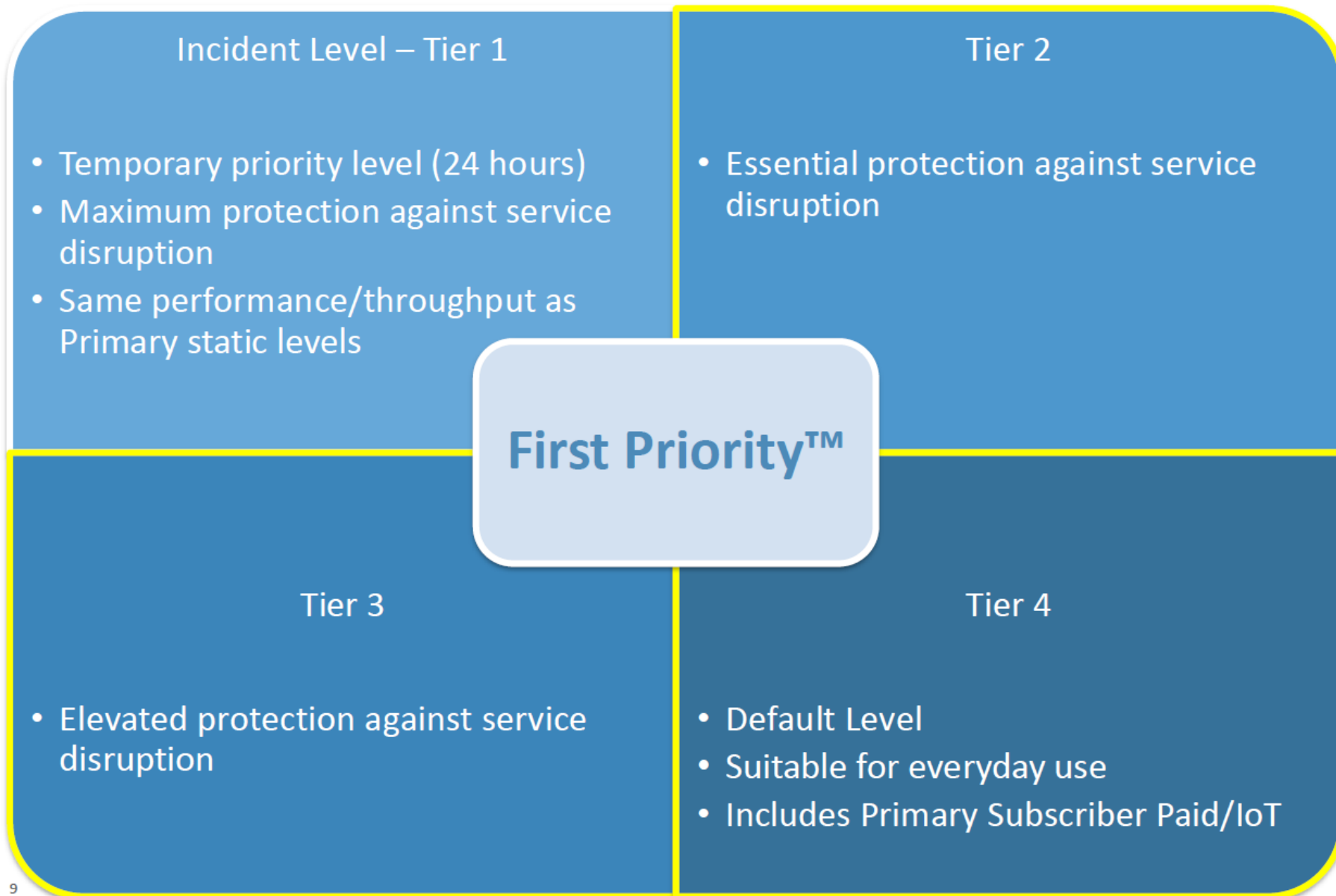


PUBLIC SAFETY CONCERNS

- Network will operate similar to an existing cellular system
- Network Access (AT&T setting up its own individual core)
- Limited bandwidth (FirstNet has preemptive service)
- End user equipment (available to purchase thru AT&T thru activation/verification of position – requires different SIM card)
- User Costs – similar to current carriers
- Timeframe – 3 year build out – 2 years remaining (2020)
- Call Priority and then Assigning Priority Tiers within FirstNet



First Priority™ Assignable Priority Tiers



For ALL Primary User Levels

- ✓ Cannot be preempted
- ✓ Can preempt any non-primary

Service disruption in this context is an abnormal disconnect due to extreme network overload conditions/impairment which are extremely rare.

First Priority™ Bottom Line

- Today, Access and Performance of Service are the same for all priority levels
- User experience between priority levels will be differentiated ONLY within the most extreme and rare situations, where Preservation of Service is affected, and may not be distinguishable
- The system is designed to ensure that FirstNet users have priority over commercial users and the best chance for success during extreme network conditions

	Tier 2 Essential Protection	Tier 3 Elevated Protection	Tier 4 Default Protection	Commercial User
Access to Service <i>Ability to connect to network services</i>	← Treated Equally →			Normal
Performance of Service <i>Amount of throughput/bandwidth available for the service</i>	← Same (Today) →			Normal
Preservation of Service <i>Maintaining active connection to a service when the network is impaired</i>	← [Dark Green] [Medium Green] [Light Green] →			Normal



WHAT DO I (WE) NEED TO DO?

- Consult with the person(s), or organization responsible for your radio communications system
- Contact and engage your State Point of Contact (the Statewide Interoperability Coordinator (SWIC) is another resource)
- Identify current and future communications requirements:
 - Equipment replacement
 - Radio coverage needs
 - User needs: voice, video, data
- Complete asset inventory including:
 - Equipment
 - Radio communications sites
 - Available resources
- What is the value of your assets?
- Ensure ongoing maintenance and operations of your current radio system

CONCLUSION

- Default level will work for most users, so most agencies don't have to worry about setting First Priority™ tiers.
- Assign higher priorities sparingly to select users/devices.
- Monitor user experience and revisit as needed.
- As future QPP features evolve, FirstNet will amend recommendations as appropriate.

QUESTIONS

