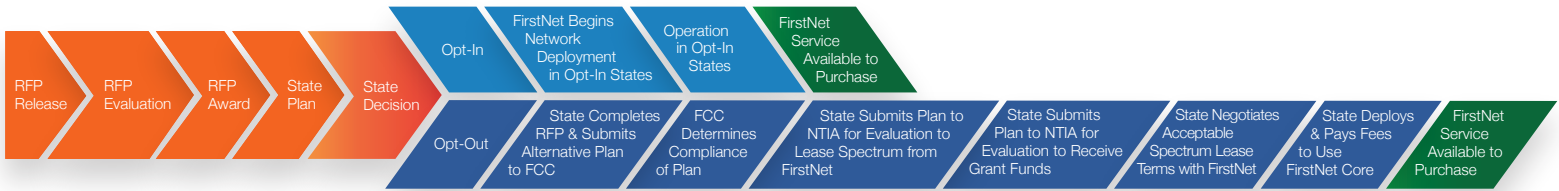


# Side-By-Side Comparison of Deploying a FirstNet-Compatible Radio Access Network (RAN)<sup>1</sup>

Category: Expense	Opt-In (FirstNet Provided)	Opt-Out (State Financed)
CAPEX: eNodeBs, Backhaul equipment, Other infrastructure	No cost to state	State responsible for cost
OPEX: Operate for 25 years	No cost to state	State responsible for cost
Maintenance, tech refreshes, security upgrades, and reconstitution of the RAN following potential degradation or loss: Over 25 years	No cost to state	State responsible for cost
Program Execution Risk: Delays, Compliance	No cost to state	State responsible for cost
Spectrum Access to Band 14	Not applicable	State responsible for yearly fee under spectrum lease agreement with FirstNet that is coterminous with FirstNet's contract with AT&T
Program Administration	No cost to state	State responsible for cost
Public Safety Adoption Target(s): Proportional to State	No cost to state	State responsible for cost (mandatory, including disincentive payments)
RAN Integration with the FirstNet network, including testing, certification, and reporting costs	N/A	State responsible for cost (solution-dependent and likely to change as upgrades occur along w/ continual testing, certification, & reporting requirements)
Device and Applications Management over 25 years	No cost to state	State responsible for cost
Time to Deployment	Immediate access to existing AT&T network with Priority access over LTE bands and Pre-emption for first responder subscribers by end of 2017.	Due to statutory opt-out process, there is estimated to be at least a two-year delay until construction can begin on the radio access network in the state.
Category: Network Services	Opt-In (FirstNet Provided)	Opt-Out (State Financed)
Coverage	AT&T current footprint plus 5-year deployment build-out, plus expansion over next 20 yrs. post initial deployment	Dependent on state build-out schedule
Priority/Pre-emption	Immediate access to existing AT&T network with Priority access over LTE bands and Pre-emption for first responder subscribers by end of 2017	Dependent on state build-out schedule and only priority/pre-emption over Band 14 unless partner provides other bands.
Customer Care	FirstNet (Federal) Customer Care Organization Oversight & AT&T Dedicated, FirstNet-specific, US-based customer care center 24/7/365	State responsible
Cybersecurity	End to end security with dedicated Security Operations Center (SOC), network monitoring, cyber response	State responsible
Deployables: Disaster Response, Network Augmentation	Access to fleet of AT&T NDR deployables for disaster response as well as 72 dedicated FirstNet BC14 deployables	State responsible
In-Building Coverage solutions	Access to in excess of 6000 Distributed Antennas Systems & 32,000 Wi-Fi Hotspots	State responsible
Local Control	Access to Public Safety portal	State responsible
Category: Other	Opt-In (FirstNet Provided)	Opt-Out (State Financed)
Devices, including testing, certification, and reporting	AT&T portfolio with market influence of AT&T for future devices and cost.	Dependent on state solution. Could be limited to BC14.
Applications	Dedicated Public Safety App Store	Dependent on state solution

<sup>1</sup> This list is not meant to be an exhaustive or comprehensive list and is informational in nature only to help provide context to states as they make an opt-in v. opt-out decision.

# Key Steps - National Deployment



## Opt-In/Opt-Out Process

