



Local Control

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Local Control

It is not about where the information is...

It is about

accomplishing what you need to do

where you need to do it

in as easy a way as possible



Where Does Local Control Come Into Play?

- Management of LTE subscriptions
- Management of devices and associated applications and services
- Management of FirstNet network users
- Management of user priorities based on current role
- Network Operations and Maintenance

Manage LTE Subscriptions

- Build on established service provider methods and procedures
 - Thousands of points of sale that provision millions of users each year
 - Supporting online transactions and activate over the air when device received
- Requires FirstNet to provide an OSS infrastructure that allows authorized local administrators to manage their set of subscribers
 - Adds, changes, deletes

Manage Devices And Associated Applications And Services

- Requires FirstNet to provide an OSS infrastructure that allows authorized local administrators to manage devices

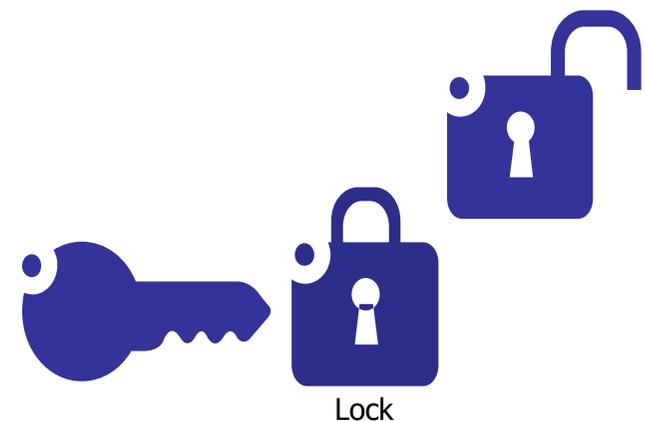
- Manage applications and services on devices
 - Local applications
 - Nationwide and regional applications
- Enforce security rules
- Provide functions such as lock and wipe and eventually manage e.g. talk groups



- Must be standards-based, built on Open Mobile Alliance (OMA) device management standards
 - Established industry standard

Manage FirstNet Network Users

- FirstNet to provide identity management infrastructure for all authorized users in the FirstNet network
 - Uses federated identity management based on industry standards such as OpenID, OAuth, OIDConnect, SAML, ...
- Through federation leverage existing user authentication infrastructure used by individual jurisdictions/agencies
- Can be used by applications (either at local, state, or FirstNet level) to authenticate user access



Manage User Priorities Based On Current Role

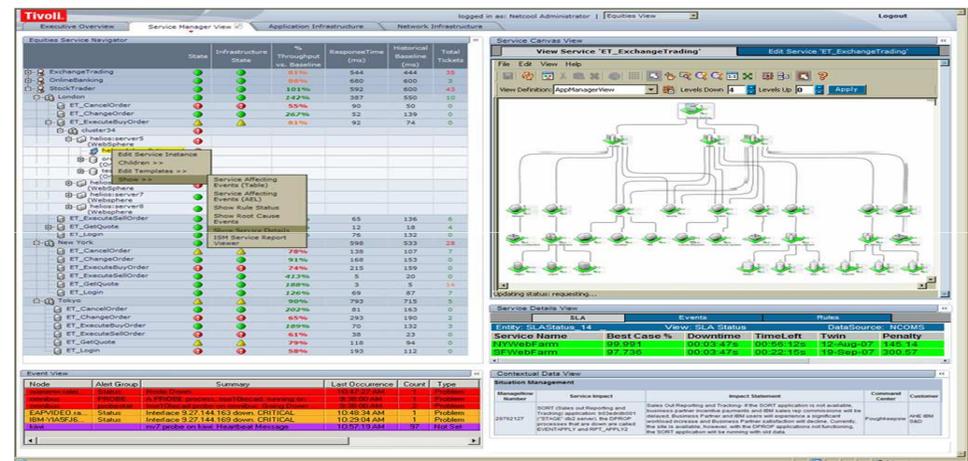
- Integrate into CAD system for easy management of user priorities as they are assigned to a major incident
 - Allows predefined incident scenarios with predefined priorities based on role of a user for the specific incident
 - Requires FirstNet to define SOAP/XML API for CAD vendors to use
- Provide web-based interface to allow authorized local users to temporarily override priority for a specific user or category of users



Network Operations and Maintenance

- Leverage web technology to provide local jurisdictions with view of network and cell site status
 - Convey what areas do or do not have coverage
- Use skilled expertise to do actual management - several models possible:

- State manages RAN network
- FirstNet manages RAN network
- Partner manages network



Conclusion

- Local Control is key to the success of FirstNet
- Critical for FirstNet to allow first responders to accomplish what they need to do where they need to do it in as easy a way as possible
- Continued first responder community engagement key
- FirstNet must embrace tools used by commercial service providers

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