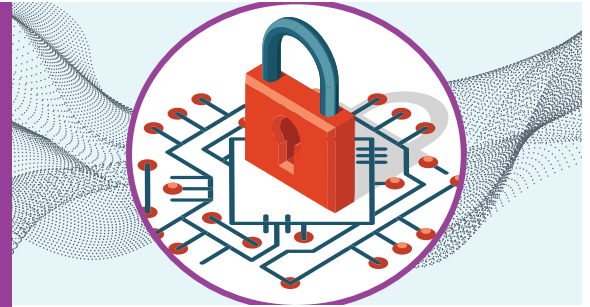


# ROADMAP DOMAIN: SECURE INFORMATION EXCHANGE



Secure Data Sharing, Data Access,  
and Identity Management



Cybersecurity



## SECURE INFORMATION EXCHANGE

### The Vision

The FirstNet Authority envisions secure, reliable, and easy-to-use access to and sharing of critical information across a variety of sources.

### Domain Overview

Secure information exchange is essential to public safety's mission. First responders require access to many data sources, and the information gathered, accessed, compiled, and stored by first responders must be secure from unauthorized access, adhere to security best practices, and comply with all relevant laws and regulations. The Secure Information Exchange domain addresses end-user security by focusing on the management, access, and flow of data among end users and applications across public safety jurisdictions and agencies.

## Roadmap Priorities for Secure Information Exchange

The FirstNet Authority will prioritize the following areas in alignment with stakeholder contributions and the prioritized needs of other Roadmap domains.

- **Database Integration:** Integrate FirstNet’s secure access and information exchange solutions with select national-level datasets.
- **Application Integration:** Leverage standardized security controls and industry best practices for application-based access to critical data.

## Key Technologies and Solutions that Impact Secure Information Exchange

- **Secure Data Sharing, Data Access, and Identity Management:** Seamless and secure public safety data access and information sharing among common technology platforms, agencies and jurisdictions, internal and external data sources, and with the appropriate level of access control enabled by a robust Identity, Credential, and Access Management solution.
- **Cybersecurity:** A comprehensive management of data access and security throughout the FirstNet network to ensure end-to-end protection of data at rest, in motion, and in use.

## Public Safety’s Take on Secure Information Exchange

- Data access, sharing, interoperability, and cybersecurity are near- and long-term priorities for public safety.
- The need to securely share data transcends disciplines, jurisdictions, and solutions.
- Standardized and consistent cybersecurity procedures ensure the safe exchange of critical, sensitive information and the overall protection of the network.
- Mobile security solutions are required to fully leverage data sharing capabilities on mobile devices and applications.

## Key Takeaways from the FirstNet Authority’s Analysis of Learnings from Stakeholders

- The FirstNet Authority is uniquely positioned to support public safety’s access to national data sets through government coordination.
- Deployment of Identity, Credential, and Access Management on the FirstNet network is a valuable technical advancement, and support to public safety is needed to operationalize the capability.
- Network data and cybersecurity are an essential shared responsibility of the public-private partnership and the public safety community.
- Many public safety agencies are unable to prioritize investments in technical expertise and resources to implement robust cybersecurity and Identity, Credential, and Access Management programs.



Public safety engagements that addressed Secure Information Exchange  
(October 1, 2019 – September 30, 2020)