

North Dakota Application Landscape SIEC Briefing

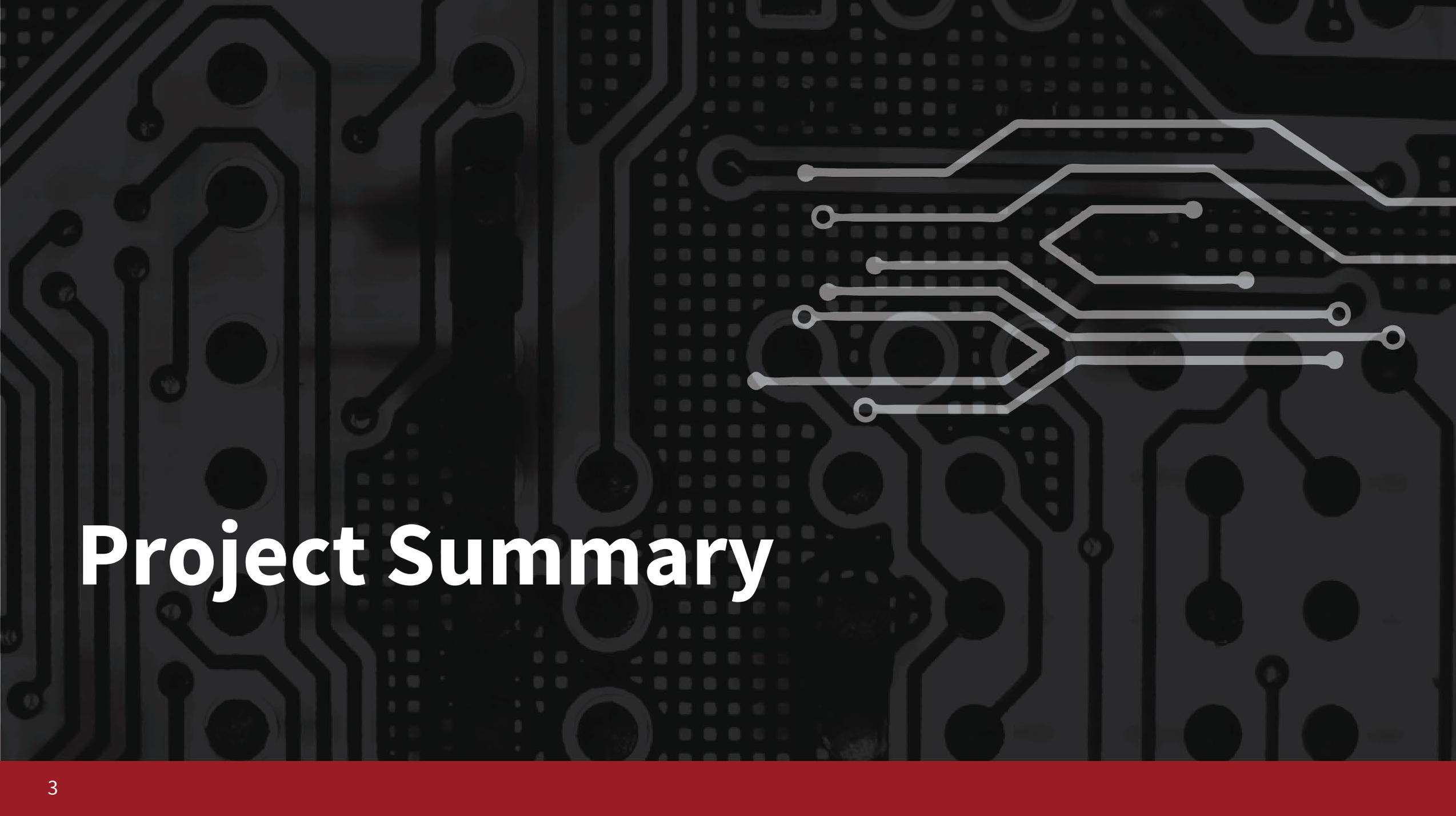
May 18, 2020 | Web Meeting



NORTH DAKOTA
INFORMATION
TECHNOLOGY
DEPARTMENT

SLIGP 2.0 Tasks

1. Project Summary
2. Gaps in Capabilities
3. Next Steps

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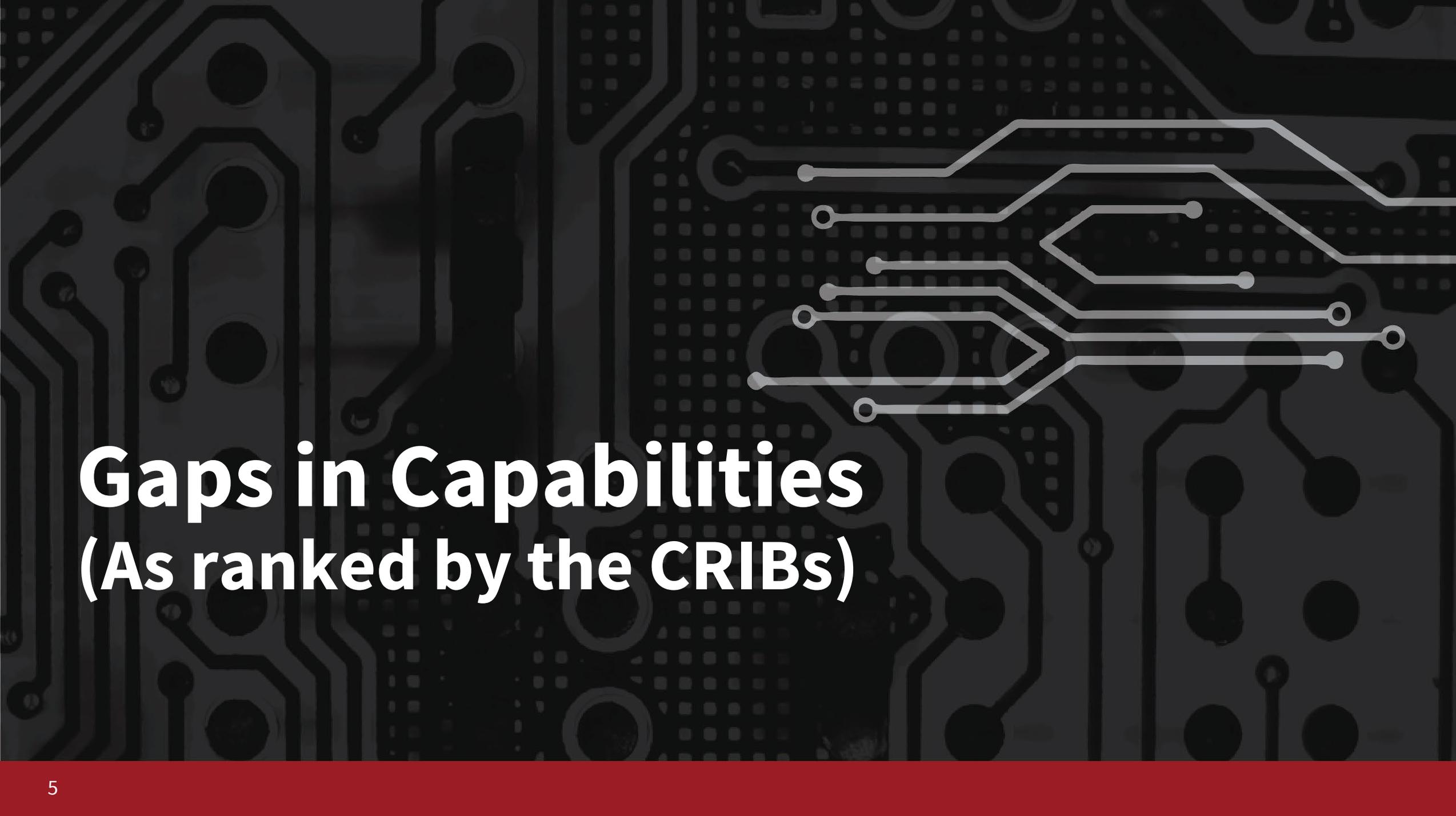
Project Summary

SLIGP 2.0 Project Outline

- **Application Landscape:** Based on a review of survey participants (530) and interviews (78) statewide to collect gaps in capabilities on applications, software and databases

| Region | NW Region | SW Region | NE Region | SE Region | State Agencies | Total |
|--------------|-----------|-----------|-----------|-----------|----------------|-------|
| Participants | 10 | 18 | 13 | 14 | 23 | 78 |

- **Policies & Agreements:**
 - Outline of the Policy Template that incorporates the elements needed to facilitate better interoperability; includes and assessment of:
 - Governing Statues, Funding, Data Access & Control and Stakeholder Commitments
- **Strategic Plan / Summary Report:**
 - Summarizes the gaps in capabilities, not the solution
 - Aggregates & prioritizes gaps based on feedback from the CRIB members
 - Identifies, where necessary, potential impacts in the context of a transition to FirstNet or adoption of FirstNet services

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Gaps in Capabilities (As ranked by the CRIBs)

Intro / Organization of Gaps

- The gaps presented herein are presented as individual capabilities
- The presentation of these gaps are not intended to imply that individual applications or software must be developed to independently address each gap.
- Several gaps, listed herein, could potentially be addressed by a unified solution
- The list of gaps are given so that each capability can be prioritized individually and as a result, a solution can be scaled accordingly
- Priorities:

Highest Priority – Stakeholder would like to see a solution

Indicated as a “Highest Priority” by at least three (3) CRIB regions

Priority – Stakeholder would like to see a solution investigated

Indicated as a “Highest Priority” and/or a “Priority” by at least three (3) CRIB regions

No Designation of Priority

Identified Gaps in Capabilities

- **Sharing of Caution Notices, Contact History and Person of Interest Notifications (Highest Priority)**
 - Inter-agency and inter-discipline sharing of law enforcement data (caution notices, contract history & POI notifications)
- **Incident Notification Mobile Application (Highest Priority)**
 - A low-cost mobile application solution that can receive CAD incident notification data and pages for field personnel; provides similar functionality as CAD mobile clients
- **Sharing Location and Unit Status (Highest Priority)**
 - The ability to share location and unit status of all dispatched units with neighboring agencies or jurisdictions that are not using the same CAD system or vendor

Identified Gaps in Capabilities cont.

- **Situational Awareness Incident Map (Highest Priority)**
 - A real-time GIS view of critical, multi-agency, information including unit status & location, whiteboarding, affected areas, weather and other dynamic data
- **Central Repository for Map Data (Priority)**
 - A central repository created for the purpose of storing all GIS map layers that have a public safety focus. It would provide a single searchable interface for relevant map layers that can be used by all public safety agencies
- **CAD-to-CAD Incident Data Sharing (Highest Priority)**
 - The ability to share CAD incident data with other agencies or jurisdictions' CAD systems.

Identified Gaps in Capabilities cont.

- **Road Status Information Map (Priority)**
 - The ability to integrate the state and local road and highway status into a single map interface with the ability for dispatcher or local agency end user updates.
- **Prisoner Transport Coordination (Priority)**
 - A prisoner transportation coordination framework that would enable jails and law enforcement agencies to identify planned transports and coordinate efforts to improve efficiency
- **Emergency Road Maintenance**
 - A streamlined workflow management process and interface to initiate requests for emergency road maintenance.

Identified Gaps in Capabilities cont.

- **PTT over Broadband**
 - A cross-carrier push-to-talk voice smartphone application that would be used for non-critical communication or where the local land mobile radio network does not serve.
- **Cross-Agency Messaging Application**
 - A cross-platform messaging application that allow users to communicate via text, voice, or video, file sharing, and image sharing that is compliant with the open records statues.
- **Other Issues Mentioned (Unranked)**
 - Video (drone), CAD limitations, Helicopter Transport, Public Mapping Updates, and Hospital Status Messages

CRIB Ranking

| Gaps in Capabilities: | Rank | NW Region | SE Region | NE Region | SW Region |
|---|-------------|------------------|------------------|------------------|------------------|
| Caution Notices, Person-of-Interest & Contact History | 1.8 | 1 | 1 | 4 | 1 |
| Incident Notification Mobile Client | 3.8 | 3 | 6 | 1 | 5 |
| Sharing Location & Unit Status | 4.3 | 5 | 3 | 3 | 6 |
| Situational Awareness Incident Map | 4.5 | 4 | 2 | 5 | 7 |
| Central Repository for Map Data | 5.5 | 9 | 4 | 7 | 2 |
| CAD-to-CAD Incident Data | 6.0 | 6 | 8 | 2 | 8 |
| Road Status Information Maps | 6.3 | 7 | 5 | 9 | 4 |
| Prisoner Transport | 6.5 | 2 | 7 | 8 | 9 |
| Emergency Road Maintenance | 8.3 | 8 | 11 | 11 | 3 |
| PTT over Broadband | 9.0 | 11 | 9 | 6 | 10 |
| Cross-Agency Messaging App | 10.3 | 10 | 10 | 10 | 11 |

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| <i>Highest Priority – Stakeholder would like to see a solution</i> Indicated as a “Highest Priority” by at least three (3) CRIB regions |
| <i>Priority – Stakeholder would like to see a solution investigated</i> Indicated as a “Highest Priority” and/or a “Priority” by at least three (3) CRIB regions |
| <i>No Designation of Priority</i> |

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Recommended Next Steps

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- SIEC Decision To Proceed
 - Which gaps to pursue, with what direction?
 - Organization of Working Groups and assignments/directives
- Recommended Working Group Activities
 - Goals and justification for the gap in capability
 - Detailed requirements of the gap
 - Identify interoperability impacts
 - Assess the impact of the solution
 - Document operational goals, key performance criteria and an overall plan to fully address the gaps
 - Develop the proposed solution
 - Define and develop the policy and agreement documents