

# MnFCP Weekly Status Report

Minnesota Department of Public Safety – MnFCP

## EXECUTIVE SUMMARY Status Meeting

Status on 29 February 2016	Prior Status	Green	Current Status	Green
Green	The project is within 20% variance of the currently approved baseline for budget and schedule, and is expected to substantially meet all of the business objectives established in the startup report.			
Yellow	The project has exceeded 20% variance of the currently approved baseline for budget and/or schedule and is expected to substantially meet all of the business objectives established in the startup report.			
Red	The project is at risk of termination, or at risk of not substantially meeting the business objectives established in the startup report.			

### Attendees/Invitees:

- DPS: Jackie Mines, Melinda Miller, Dana Wahlberg, Marcus Bruning, Randy Donahue, Rick Juth, Adam Iten, Dan Ross
- Televate/IG: Mark Navolio, Rick Burke, Ken Boley, Brandon Abley, Elizabeth Herring
- **Task 4 – Education and Outreach:**
  - Pending Items:
    - Article for publication; outline sent for review, Televate to provide full draft
    - Training Modules:
      - LTE Technical Review (Deep Dive) – Review complete; additional slides being added, final package to be posted this week.
        - RICs to review and provide feedback; review “v4” version
  - ECN/MnFCP Website Suggestions; Pending Items:
    - Meeting with Communications Department (Doug Nevel & Bruce ...) on requested changes (MM)
    - Interop Conference (MM)
    - Timeline (MN) – Pending
    - Buttons (MN) – Pending
    - Presentations for “Resources Page”; (MN) to post all presentation to the DropBox – Pending
    - Useful Videos; (MN) to provide hyperlinks to all outside video sources – Pending
    - FAQs & Hyperlinks; (MN) to provide list – Pending
  - Recent Delivered Items:
    - Newsletter – Delivered: “Outcome of the Strategic Build-Out Strategy”
    - Training Modules:
      - *What is Wireless Broadband* – Delivered & Posted
      - *Public Safety Broadband for the PSAP* – Delivered
- **Task 4.19 – Interoperability Conference 2016**
  - Rick Burke and Ron Whitehead posted a revised update to the schedule
- **Task 10.01 – Specific State Plan Elements (FirstNet)**
  - Outcome of the SPOC Meeting – Melinda to provide update
  - FirstNet RFP Summary Document; final revisions made and sent to ECN.
    - FirstNet Q&As posted to the DropBox under “FirstNet RFP”
  - Side-by-side summary of the FirstNet Bidders Conference provided for internal review only
    - Provide briefing the IDC Chair to be scheduled
  - DPS/ECN to provided MnDOT Tower List; MnIT created GIS layers; Televate to review:

Minnesota Public Safety Wireless Data Network Requirements Project

Status on 29 February 2016	Prior Status	Green	Current Status	Green
Green	The project is within 20% variance of the currently approved baseline for budget and schedule, and is expected to substantially meet all of the business objectives established in the startup report.			
Yellow	The project has exceeded 20% variance of the currently approved baseline for budget and/or schedule and is expected to substantially meet all of the business objectives established in the startup report.			
Red	The project is at risk of termination, or at risk of not substantially meeting the business objectives established in the startup report.			
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>▪ Updated ARMER site layer complete</li> <li>▪ Verison, AT&amp;T, T-Mobile, NewCore &amp; Sprint?</li> <li>▪ <b>HOLD: Analysis of State MnDOT Towers for State Plan:</b> 51 towers identified within ESA; SECB to consider tasking MnDOT with a mini-audit of the number of antennas (and owners) installed on the towers. This would provide a reasonable basis to assess whether there is available capacity or whether further strengthening of the structure will be required.                             <ul style="list-style-type: none"> <li>○ <b><i>NewCore Meeting March 1, 1pm central</i></b></li> </ul> </li> </ul> </li> <li>• <b>Task 16 – Public Safety Entity Operational Areas (no new data to report)</b> <ul style="list-style-type: none"> <li>○ Kanabec County and Red Lake Nation are outstanding, no new data received</li> </ul> </li> <li>• <b>Task 17 – Data Usage/Traffic Profiles – CAD Data Manipulation</b> <ul style="list-style-type: none"> <li>○ Review of CAD Data, 2 meetings, 2 participants and 1 agency to be added to E&amp;O. <b>CAD Data required before end of February.</b> Tracking table is posted on DropBox. Status on outstanding counties:                             <ul style="list-style-type: none"> <li>▪ Southern Regions:                                     <ul style="list-style-type: none"> <li>• Chippewa</li> <li>• Freeborn – Pending</li> <li>• Houston</li> <li>• Jackson - Data Received; geocoding pending</li> <li>• Lac qui Parle – Data received and <b>posted for geocoding (HOLD)</b></li> <li>• Mower – Data Received; geocoding complete</li> <li>• Pipestone – Data Received; geocoding complete</li> <li>• Redwood</li> <li>• Rock – no data possible</li> <li>• Yellow Medicine – Data Received but data unreadable</li> </ul> </li> <li>▪ Metro/Central Regions:                                     <ul style="list-style-type: none"> <li>• Pope – Data received and <b>posted for geocoding (HOLD)</b></li> <li>• Swift – Data received and <b>posted for geocoding (HOLD)</b></li> </ul> </li> <li>▪ Northern Regions:                                     <ul style="list-style-type: none"> <li>• Cass – Data received and <b>posted for geocoding (HOLD)</b></li> <li>• Itasca</li> <li>• Marshall</li> <li>• Norman – Pending</li> <li>• Red Lake</li> <li>• Roseau</li> </ul> </li> </ul> </li> </ul> </li> <li>• <b>Task 19.01 – E&amp;O Regional Meetings &amp; Tribal Outreach</b> <ul style="list-style-type: none"> <li>○ Meeting with Red Lake Nation pending; Chief William Brunelle Police Red Lake Nation to set up the meeting.</li> </ul> </li> </ul>				

Minnesota Public Safety Wireless Data Network Requirements Project

<b>Status on 29 February 2016</b>	<b>Prior Status</b>	<b>Green</b>	<b>Current Status</b>	<b>Green</b>
<b>Green</b>	The project is within 20% variance of the currently approved baseline for budget and schedule, and is expected to substantially meet all of the business objectives established in the startup report.			
<b>Yellow</b>	The project has exceeded 20% variance of the currently approved baseline for budget and/or schedule and is expected to substantially meet all of the business objectives established in the startup report.			
<b>Red</b>	The project is at risk of termination, or at risk of not substantially meeting the business objectives established in the startup report.			

**Outreach Tracking: Coverage Reviews, Work Group, and Meetings**

Quarter	Start Date	End Date	# Agencies	# Individuals	Meetings
3 <sup>rd</sup> Quarter, 2014	7/1/2014	9/30/2014	61	85	13
4 <sup>th</sup> Quarter, 2014	10/1/2014	12/31/2014	85	128	36
1 <sup>st</sup> Quarter, 2015	1/1/2015	3/31/2015	66	99	23
2 <sup>nd</sup> Quarter, 2015	4/1/2015	6/30/2015	38	134	22
3 <sup>rd</sup> Quarter, 2015	7/1/2015	9/30/2015	145	419	24
4 <sup>th</sup> Quarter, 2015	10/1/2015	12/31/2015	135	245	111
1 <sup>st</sup> Quarter, 2016	1/1/2016	3/31/2016	20	45	11

**Tasks Current ON HOLD**

- **Task 20 – Minnesota State Plan Decision Process: due by end of 2015**
  - Task **ON HOLD** until further definition of the SOW (decision by potentially by mid-September); need to confirm whether State Plan Decision guidance will be published in the FirstNet RFP
- **Task 6 – MOA, Standardize Templates:**
  - Task **ON HOLD** until further direction from NTIA
  - Progress to date listed in the Notes
- **Telestate-IG to provide Invoices and Deliverables**
  - Acceptance Forms & Invoices are up to date
- **Upcoming Events, Travel, New Business:**
  - None yet

## 1 NOTES:

- **Task 17 – Data Usage/Traffic Profiles – CAD Data Manipulation**
  - Confirmed that Red Lake CAD data was incorporated in the phased build-out
  - Detailed analysis shows that the geocoding efficiency of the Bing tool worked poorly with tribal addresses (~17%); a comparison with Google Pro (2500 samples) resulted in a geocoding efficiency of 47%, Google Pro approach labor intensive
- **Task 3 – Tribal (On-Going)**
  - Minnesota Chippewa Tribes (MCT).
    - 17 participants from 6 tribal agencies (Bois Forte, Fond du Lac, Grand Portage, Leech Lake, Mille Lac, MN Chippewa Tribe)
  - Shakopee Mdewakanton Sioux scheduled for the October 27 (completed); no new coverage requirements, discussion centered on the tribal public safety entities, exiting systems, operational concerns and the expectations for the new network
  - 12 Nov Presentation Results:
    - Regional Presentation respecting the Tribal organization
    - At least 2 more meeting to schedule
    - Tribes will look to provide incident data for their jurisdictions
  - Continue updates to “Tribal Consultation Recommendations”; to include output from Governance
  - Governance Efforts:
    - Effort to develop plan for better engaging tribes on governance:
      - Call held with Anna Marie Hill, MN Indian Affairs Council 5/20;
      - Monte Fronk called on 6/4, he proposes that we organize a meeting with the Emergency Manager at Ripley at a date to be determined
      - Also interviewed Greg Hayes 6/18 (Shakopee Mdewakanton Sioux)
      - Also reach out to Mike Keyport (Grand Portage Ojibwe)
  - Need to keep a running list of coordination activities with the tribes as proof of our outreach efforts.
  - In the context of the Governance and MOA/MOU tasks, FirstNet does not expect the State to resolve all issues with regard to the tribes. FirstNet does expect:
    - The States to summarize what exists and to “characterize” the relationship with each Tribe
    - Indicate the level of tribal participation in the State’s governance structures
    - Highlight the issues that would impact the implementation of the network on tribal lands
    - We are expected to collate the points of contact at each tribe
    - We are expected to quantify the number of potential users at each tribe
  - Background Materials on tribes that were suggested for review:
    - Review of the United States Code, Title 16, Supremacy Clause
    - Review of the State’s Constitution wrt tribes
- **Task 16 – Public Safety Entity Operational Areas MNIT Status**

<b>Overall Status</b>	<b><u>Yes</u></b>	<b><u>No</u></b>	<b><u>Total # of PSAPs*</u></b>	<b><u>Current Date</u></b>
<b>PSAPs that have supplied data</b>	93	3	96	12/18/2015
<b><u>Datasets Received</u></b>				
<b>Centerlines</b>	26	70		

Minnesota Public Safety Wireless Data Network Requirements Project

<b>Overall Status</b>	<b><u>Yes</u></b>	<b><u>No</u></b>	<b><u>Total # of PSAPs*</u></b>	<b><u>Current Date</u></b>
Address Points	21	75		
PSAP Boundaries	59	37		
Emergency Service Boundaries	93	3		
City/Township/Unorg. Territories	80	16		
<b><u>Datasets Sent</u></b>				
To Televate for FirstNet**	93	3		

**PSAP**  
**Specifics**

<b><u>Name</u></b>	<b><u>Datasets Received</u></b>						<b><u>Datasets Sent</u></b>
	<b><u>Date of Last Data Upload</u></b>	<b><u>Address Points</u></b>	<b><u>Road Centerlines</u></b>	<b><u>PSAP Boundary</u></b>	<b><u>Emergency Service Boundaries</u></b>	<b><u>CTU/Township boundaries</u></b>	<b><u>Date Sent to Televate</u></b>
Kanabec							
McLeod							
Red Lake Nation							

No Data

\* Mayo Clinic Secondary PSAP is not included

\*\* Empty datasets sent for Kanabec and McLeod (11/30/15)

● **Task 6 – MOA, Standardize Templates:**

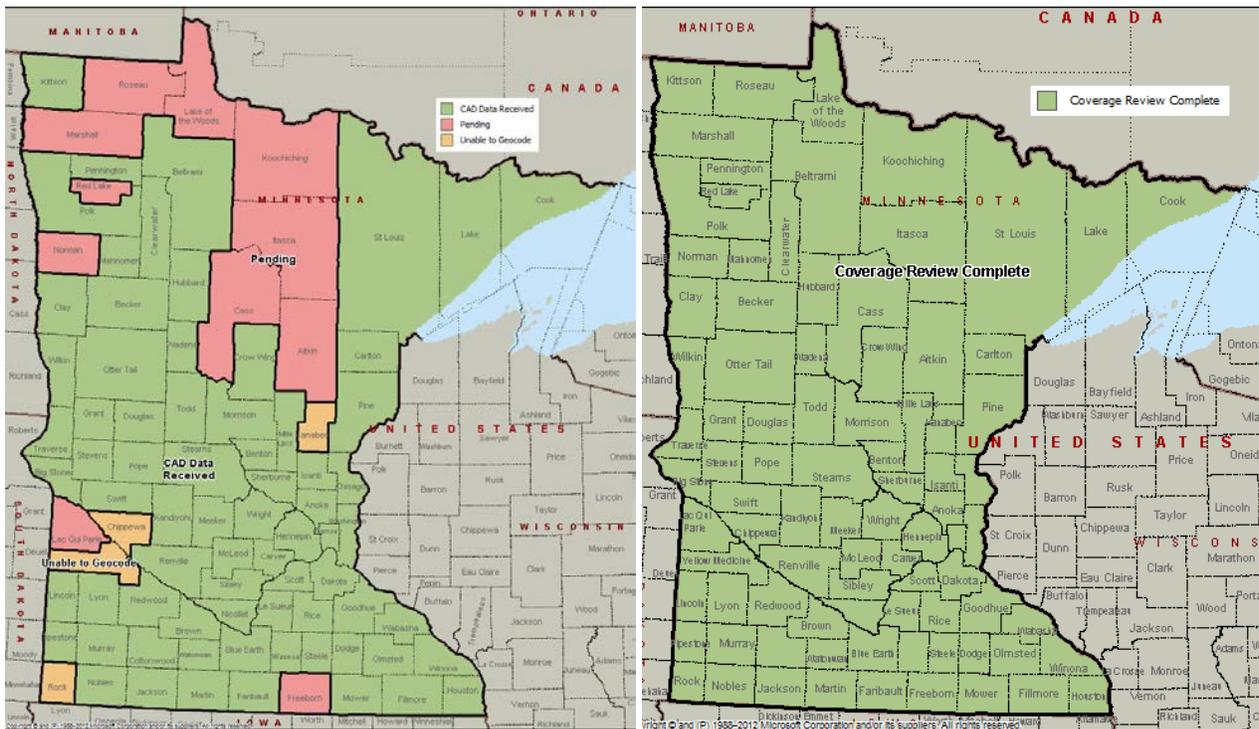
○ Progress to date

- Legal Document Report is in process and shall provide a rationale for the MOAs. It will also describe any legal/policy barriers or concerns raised by the MOAs.
- Team would like to coordinate a small group from OAG, MnIT, and MnDOT to further progress on the report
- Spoken with St Louis Co. (Hegrenes), St Cloud (Myers) and Rochester (Thomson). St Louis and St Cloud will be involved in the MOA development process, connecting me with their attorneys and sent or sending me lease samples. Rochester probably not so much (owns few assets, doesn't share today), but I will keep them on the email list so they can monitor content as it develops
  - MnDOT: Tim Lee, Shane
  - MNIT: Jim Johnson
  - OAG: pending
  - Central: Micah Myers
  - NE: Bruce Hegrenes
  - Rochester PD: Dave Thomson

● **Task 8 – Coverage Reviews**

## Minnesota Public Safety Wireless Data Network Requirements Project

- Second coverage review with Capt. Perri was completed; Scott County Emergency Manager. Need to review the integration of requirements.
- **Task 14 – Phased Build-Out Strategy**
  - Task Complete
  - Agenda and description of the Regional meetings sent to all RICs.
    - Presentations Complete:
      - South Central COMPLETED: on 8 July, 10am central
      - Southeast COMPLETED: on 16 July, 11am central
      - Southwest COMPLETED: on 22 July, 10am central
      - Northeast COMPLETED: on 23 July, 10am central
      - Metro COMPLETED: on 28 July, 10am central
      - Northwest COMPLETED: on 12 August 9am central
      - Central COMPLETED: on 14 August, 10am central
    - Presentation of Findings to IDC on 22 September



**Summary of those PSAPs who were not able to provide CAD Data**

PSAP	Reason
Aitkin County PSAP	Part of a multi-county migration to Zuercher; prior vendor will not provide data. Response not received to re-request for CAD Data following Coverage Review.
Cass County PSAP	Part of a multi-county migration to Zuercher; prior vendor will not provide data.
Chippewa County PSAP	CAD data formatted as PDF. Could not geocode.
Freeborn County PSAP	No response from CIS following request/discussion of data.
Itasca County PSAP	Part of a multi-county migration to Zuercher; prior vendor will not provide data. New system went live August 2015.

Summary of those PSAPs who were not able to provide CAD Data	
PSAP	Reason
Kanabec County PSAP	Incident locations did not include cities. Could not geocode.
Koochiching County PSAP	No CAD system.
Lac qui Parle County PSAP	Data was indicated to be unavailable. However, went live with LETG 7/2014.
Lake of the Woods County PSAP	No response to request for data.
Marshall County PSAP	Response not received to re-request for CAD Data following Coverage Review.
Mayo Clinic PSAP	Unable to obtain data for security reasons.
Norman County PSAP	No response from LETG.
Red Lake County PSAP	No response to request for data.
Rock County PSAP	Incident locations did not include addresses. Could not geocode.
Roseau County PSAP	Response not received to re-request for CAD Data following Coverage Review.
Yellow Medicine County PSAP	Incident locations did not include street numbers. Could not geocode.

- **Task 18.01 – Response to 3<sup>rd</sup> Public Notice:**
  - Comments to FirstNet Third (3<sup>rd</sup>) Public Notice has been posted. The Third Notice focuses on the definition of "public safety entity," which determines the extent of FirstNet's legal authority to serve an entity as a primary network subscriber (as opposed to a secondary user under a "covered leasing agreement").
- **Wireless Contracts:**
  - State Contract – check back with Dale Stevens concerning the number of subscribers on each contract
  - GSA Contract – Mark to check in with contract administrator; no luck yet
    - Add questions on PSAP applications to the NG911 Survey; (from working group)
- Website: <https://dps.mn.gov/divisions/ecn/Pages/broadband.aspx>;
- **Additional Newsletter Topics:**
  - Coverage & Radio Propagation Basics
  - Differences between NPSBN LTE, Commercial Services & P25
  - Capacity Basics
  - Quality of Service Basics
  - Coverage Augmentation Strategies & Advantages/Disadvantages
  - Public Safety Broadband Devices
- **GIS Data**
  - Will need to coordinate with Danna Mackenzie, [Danna.Mackenzie@state.mn.us](mailto:Danna.Mackenzie@state.mn.us), with regard to the phase 2 infrastructure assessment; however, the data will likely come from NTIA as GIS has restriction its release
- **Fire Chief Association:** Summary of key data points:
  - Bruce: has agreed to distribute the letter to every fire departments throughout the state
  - 780 fire departments throughout the state ~20,700 fire fighters
  - Some money available from old grants for travel expenses; volunteer only

- Bruce: can send us a link that contains the name and address for every fire department thought out the state of Minnesota
- **Bureau of Criminal Apprehension;** keep on the horizon when it comes time to assess applications
- **NTIA Officer:** Caroline Dunn