South Dakota Public Safety Communications Council

March 2021 Meeting

On-Line & Mickelson Center

03-18-2021

Agenda

Call to order – Chair Goodwin
Roll Call of Members

Police Chiefs –Jason Jones
Sheriffs Organization – Steve Swenson
Division of Criminal Investigation – Scott Rechtenbaugh
South Dakota Game, Fish, & Parks – Bruce Nachtigall
South Dakota Department of Transportation – Tyler Green
South Dakota National Guards – WO1 David Goodwin
South Dakota Emergency Managers Association – Harold Timmerman
South Dakota Fire Fighters Association – Charlie Kludt
South Dakota Association of Health Care Organizations – Tim Rave
South Dakota Department of Public Safety – Casey Collins
South Dakota APCO/NENA Chapter – Kevin Karley
South Dakota Emergency Medical Technicians Association – Brent Long
South Dakota Department of Agriculture/ Wildland Fire – Michael Steffen
South Dakota Association of County Commissioners – Gary Jaeger
South Dakota Department of Health -- Open
Tribal Government – SWST Emergency Manager – Jim Pearson
Federal Government – Andy Barth
Bureau of Information and Telecommunications -- Jeff Pierce
911 Coordinator – Interim/Maria King
SD House – Representative Doug Barthel
SD Senate – Senator John Wiik

Additional Agenda Items

Approval of December meeting minutes --

New business

1. **Membership, filling open positions**

    - DOH is currently only member without a designated appointee.

2. **Report on 2021 legislative session, impact to communications.**

    - SB64, modification to current fiscal year budget. $400k for new Reliance site, $400k for new Battle Mountain/Hot Springs site, $2.4M for 3-site simulcast in Rockerville, Hill City, Keystone.
    - HB1265, $800k for towers & buildings for Hills simulcast project.
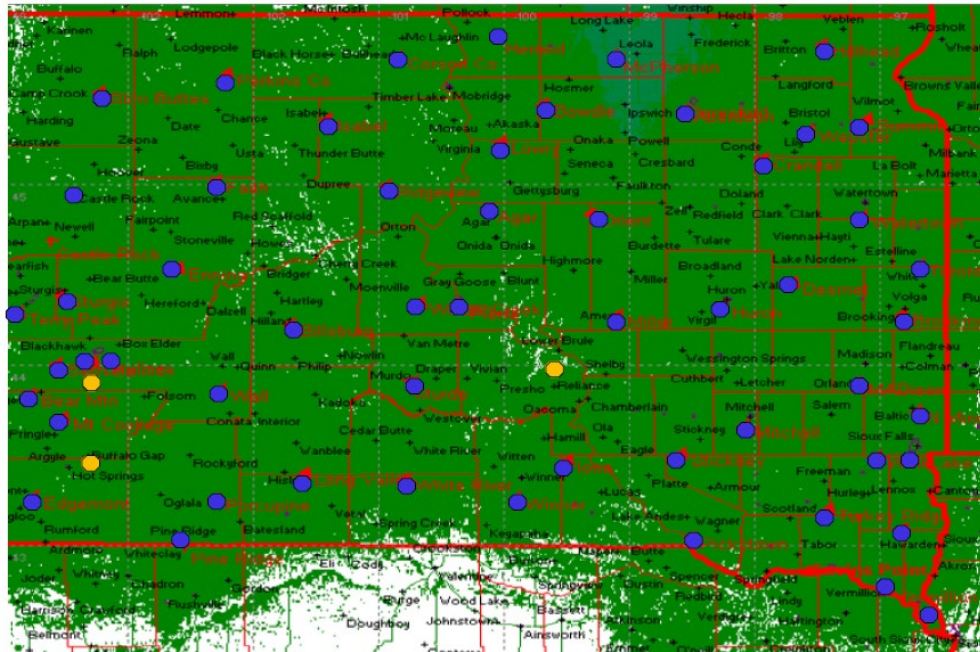
3. **Broadband FTE Position.**
    - Funded in BIT Budget, will use current personal services dollars to cover until July.

4. **System Upgrade Status.**
    - Completed, upgrade of system core to 7.19
    - NICE recording system upgrade next.
    - Once recording system is completed, will begin work on Ethernet connectivity to connected dispatch centers & Critical Connect.

5. **Member Terms**
    - Up for reappointment in 2021: Rave, Jones, Barth, Kludt, Jaeger
    - Up for reappointment in 2022: Barthel, Wiik, Swenson, Pearson, Karley, Barth
    - Termed out 2022: Timmerman

6. **Reliance, Hot Springs, & Hills projects outlines.**
    - Reliance, $400k, uses existing SDPB tower & building. Chamberlain, Oacoma, Lower Brule and Crow Creek reservation areas.
    - Hot Springs, $400k, uses existing Battle Mountain tower & building. Improved coverage in Hot Springs & southern hills area.
    - Hills, $2.4M, cooperative project with Pennington County who will arrange for sites (land, tower, buildings), and state will provide communications equipment, antennas. feedline
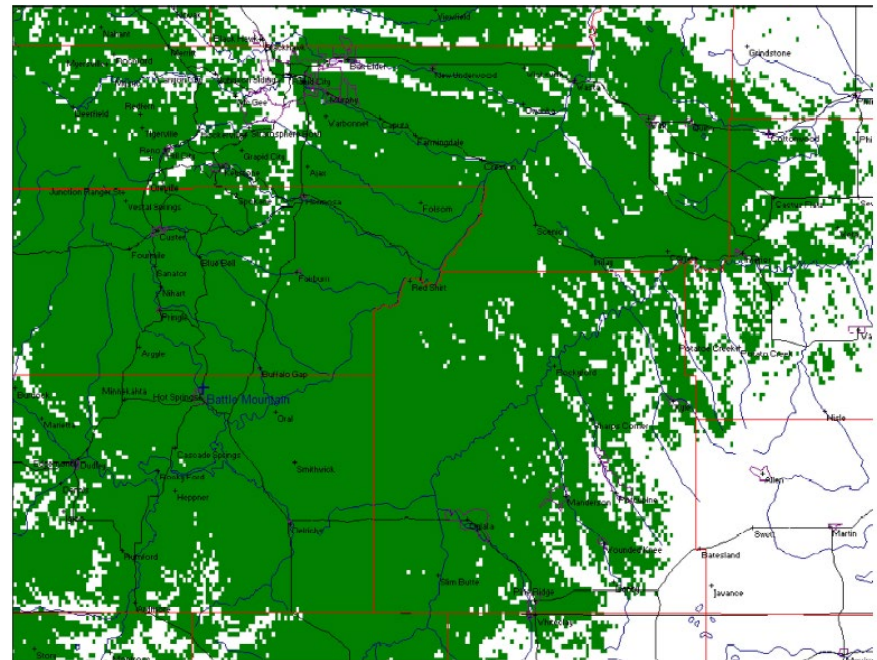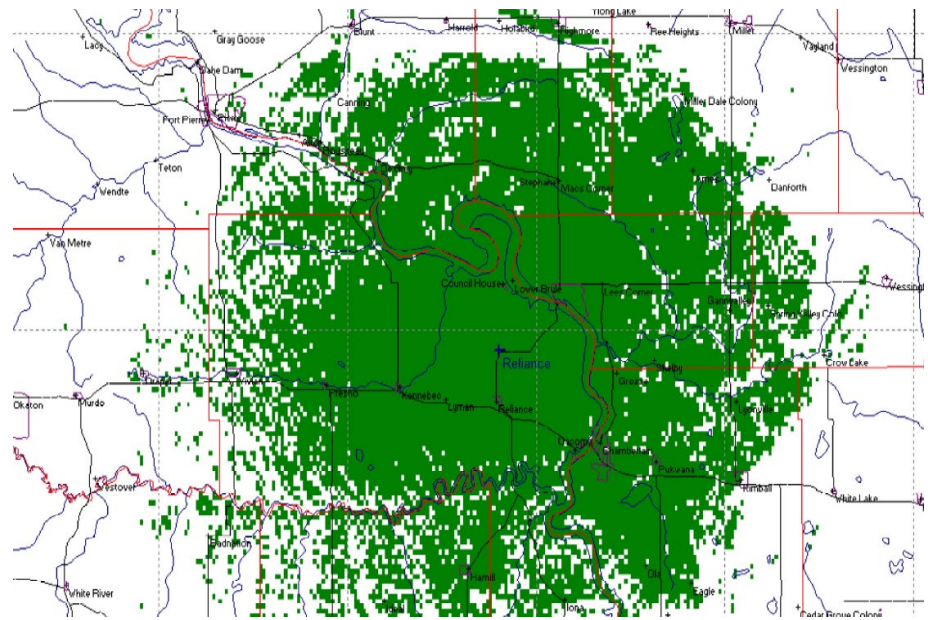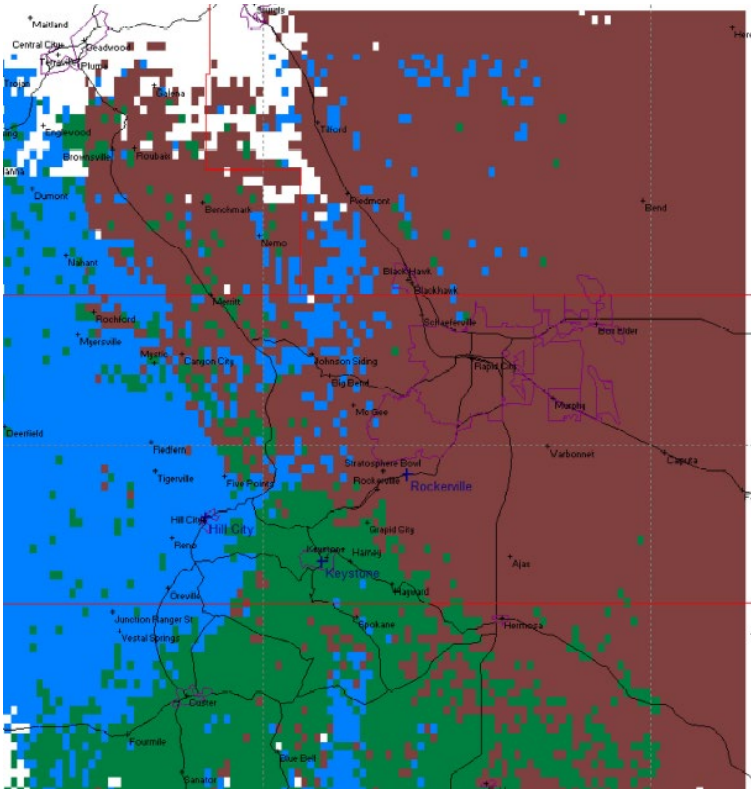
7. **Methodology for prioritization of new sites**
   - Current process is less formal. We have a known area or request to cover, then use factors such as: Land mass underserved, Population, Critical infrastructure, Facilities (hospitals, schools, institutions, etc.), Area traffic, Special circumstances such as being a HIDTA route, etc., Local support, other options:
   - Locally generated request. Local jurisdiction leverages district legislators to request funding for projects. Process would require local entity to coordinate with State Radio and/or Council.
   - Develop weighting system for the factors above & what else might be necessary. Would need to make rurality a factor so that those areas with low population are adequately represented.

8. **Master Site upgrade process.**
   - Covered in #4.

9. **Critical Connect/WAVE app.**

Old Business

1. 2021/2022 Budget
- 2021 budget numbers reflected also include encumbrances, so will show lower balances.
- Received all authority for upgrade appropriated by Legislature.

	Personal Services	Travel	Contractual Services	Supplies/Materials	Total
Budgeted FY21	$965,197	$111,250	$1,517,439	$98,150	$930,917	$3,775,104
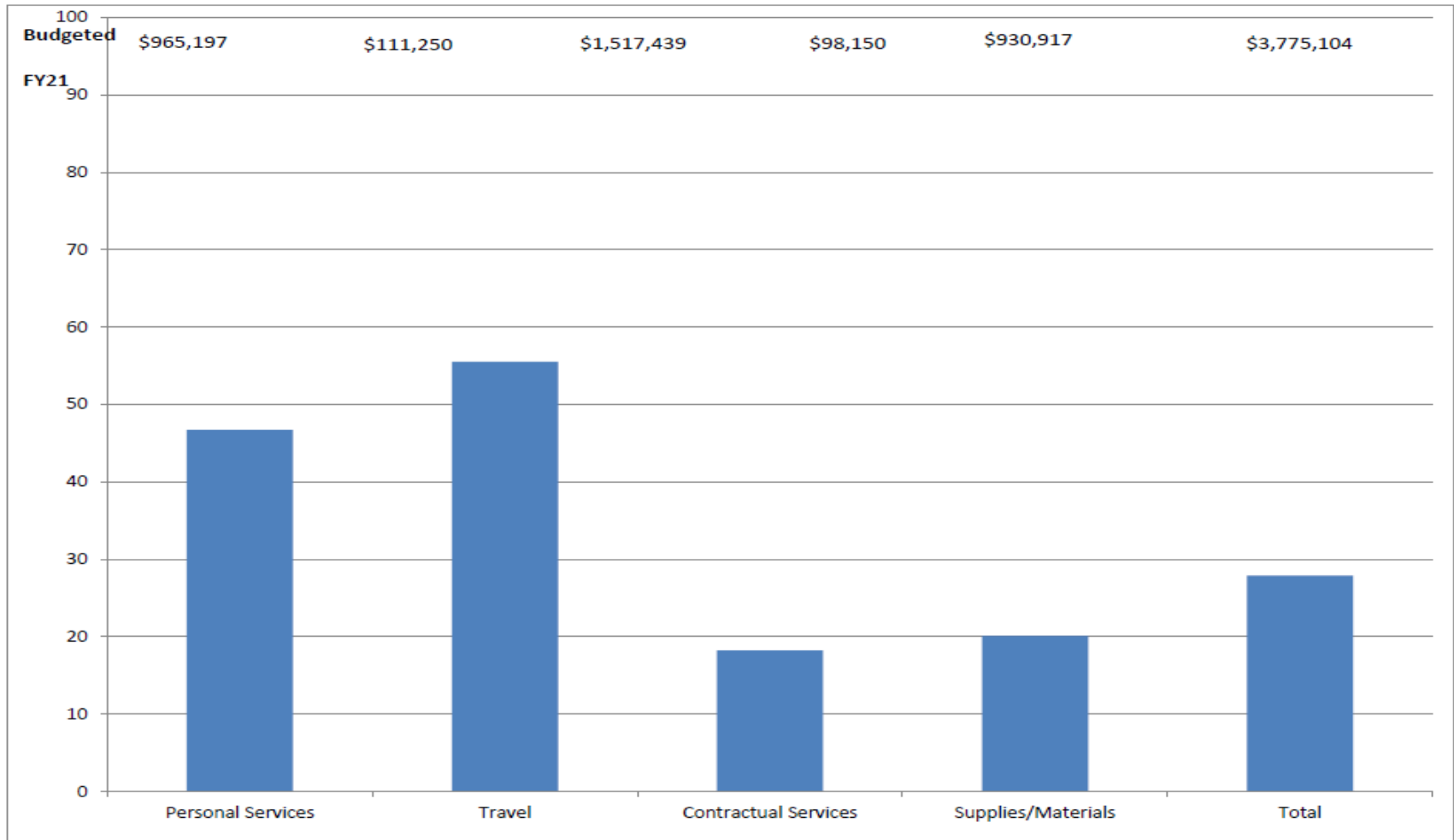
2. **Grant Status, all grants --**
   - SLIGP 2.0 closeout in process, will be concluded by 3-31-2021..

3. **Digital Radio Infrastructure Updates**

4. **Broadband Subcommittee Report**

   - Mike Waldner & subcommittee have been meeting regularly.

Council Role in standardizing applications for SD first responders

- What does the council need or want?
- Do we need some kind of formal testing, a score card, a security scan, FirstNet approved, where data is stored, etc.?
- Recommendation to SDPSCC Council
  - Do you want a consensus from subcommittee
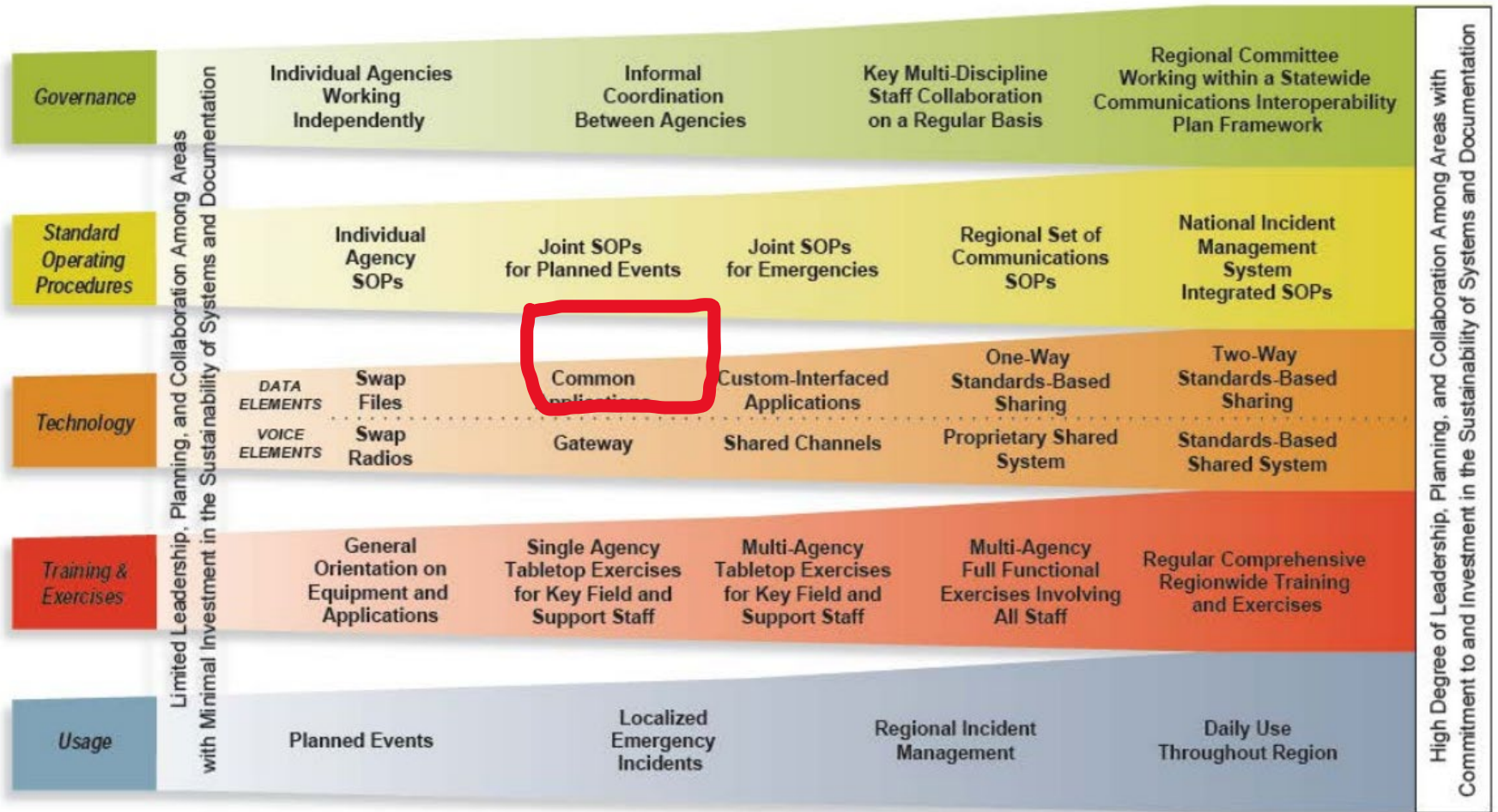- What documentation / recommendation form or justification might be needed?
- What are we missing?

Council Role in standardizing applications for SD first responders

- Council's opinion if Bridge4PS is the first app we want to walk through the "statewide recommendation" process
  - If not Bridge4PS then what application?
- We are trying to find an application we can get the majority of users on before the next "Spencer Tornado Tipping Point" hits.
- Bridge4PS is a proven application in SD (and the nation) that allows collaboration and situational awareness cross disciplines/agencies
- We need to start with something.
  - If we wait for the perfect app/time we may never move. [paralysis by analysis]
- If we start with a collaboration application it gives everyone the chance to ask questions and provide input during the process
- It gives us a chance to work through the processes of recommending future applications
  - We can learn, further define and start to document the process.
- The app itself is free for the basic version, so the cost barrier is low
- Remember applications are more dynamic than an LMR Radio System
  - How many of us have installed an app for a conference and deleted it after the 3-day or week long conference?

Interoperability Continuum

	Low ←				→ High
Governance		Individual Agencies Working Independently	Informal Coordination Between Agencies	Key Multi-Discipline Staff Collaboration on a Regular Basis	Regional Committee Working within a Statewide Communications Interoperability Plan Framework
Standard Operating Procedures		Individual Agency SOPs	Joint SOPs for Planned Events	Joint SOPs for Emergencies	Regional Set of Communications SOPs	National Incident Management System Integrated SOPs
Technology	DATA ELEMENTS	Swap Files	Common Applications	Custom-Interfaced Applications	One-Way Standards-Based Sharing	Two-Way Standards-Based Sharing
	VOICE ELEMENTS	Swap Radios	Gateway	Shared Channels	Proprietary Shared System	Standards-Based Shared System
Training & Exercises		General Orientation on Equipment and Applications	Single Agency Tabletop Exercises for Key Field and Support Staff	Multi-Agency Tabletop Exercises for Key Field and Support Staff	Multi-Agency Full Functional Exercises Involving All Staff	Regular Comprehensive Regionwide Training and Exercises
Usage		Planned Events	Localized Emergency Incidents	Regional Incident Management		Daily Use Throughout Region

Left margin: Limited Leadership, Planning, and Collaboration Among Areas with Minimal Investment in the Sustainability of Systems and Documentation

Right margin: High Degree of Leadership, Planning, and Collaboration Among Areas with Commitment to and Investment in the Sustainability of Systems and Documentation

Broadband Subcommittee Readout

- Application Presentations or Discussions:
- FirstNet buildout updates
- Demonstration of Active 911 & IamResponding
- Discussion on Motorola Critical Connect & WAVE

- Much discussion on Common Application Recommendation
  - Consensus that Bridge4PS would be a good application to start with

Findings During Common App Discussions

- Discuss application statewide recommendation process
  If we wait for the perfect app/time we may never move.
- For every application we need to ask:
  "What problem does it solve?".

- The most important factor when considering an application is whether users can solve the problem with the app. This includes not only the specific features it offers to users and administrators, but also the app's user-friendliness, accessibility, and ability to integrate with agency protocols

- Keep it simple to start and grow into it, seems to be a good way to go for the boots on the street – and let us keep dreaming what's next or what else we could add in the future.

- Applications have its own challenges compared to LMR with the sheer number of applications "out there" and already in use today.
  Many first responders throw security and commonality aside
  for ease of use for their individual immediate need.

5. **Key-File, code-plug template, Test Site.**
A "System Key" file is required to be programmed into any radio needing access to our network. A new Key has been received for the P25 system from both Motorola, and EFJ/Kenwood and work has been underway to develop a template for new & reprogramed radios to allow programming when radios are in shop.
- Test site is operational in Pierre.
- We have more information on radio programming that is being shared with the 2-Way shops.

6. **Encryption Standard**
AES-256 is the only standard allowed for funding by DHS
OEM funding limited number of encrypted devices
Agencies are not <u>required</u> to run encryption, but if they want to participate with those that do, we recommend that they equip their radios with AES-256.
Working on scheduling an open state workshop on statewide administration

7. **Simulcast Conversion Discussion**
- Rapid City, then Sioux Falls. Will need to be Ethernet connectivity, working on plan for that and connected dispatch centers now.

8. **Moving out past simulcast builds**
- Pennington County has offered to be first but will depend upon surrounding counties.

9. **Monthly calls with Radio Shops and Stakeholders**

10. **Other**

Travel reimbursement forms

Organizational Reports
    Police Chief's Assn. – Jason Jones
    Sheriffs Assn. – Steve Swenson
    DCI -- Attorney General – Scott Rechtenbaugh
    GFP -- Bruce Nachtigall
    DOT –Tyler Green
    National Guard – SFC David Goodwin
    Emergency Managers – Harold Timmerman
    Firefighters – Charlie Kludt
    Healthcare – Tim Rave
    Dept. of Public Safety – Casey Collins
    APCO/NENA – Kevin Karley
    EMT's -- Brent Long
    Wildland Fire/DOA – Michael Steffen
    County Commissioners – Gary Jaeger
    Health Dept. -- Open
   Tribal Governments – Jim Pearson
    Federal Government – Andy Barth
    BIT Engineering -- Jeff Pierce
    911 Maria King
    SD House – Representative Doug Barthel
    SD Senate – John Wiik

Closing Comments
    Vice-chair – Bruce Nachtigall
    Member at Large – Kevin Karley
    Chair -- Goodwin

Next Meeting: date, time, location.   June 17??.