



**Jeff Anderson**  
Marion County, Iowa Emergency Management

**Michele Bischof**  
City of Des Moines

**Blake DeRouchey**  
HSEMD

**Dennis Hart**  
Department of Management

**Jason Hill**  
City of West Des Moines

**Amber Markham**  
Department of Public Safety

**William McLain**  
Iowa National Guard

**Cord Overton**  
Governor’s Office

**Todd Jacobus**  
Department of Public Defense

**Steven Ray**  
Department of Public Safety

**Jeff Sundholm**  
Department of Transportation

**Shawn Wagner**  
ISICSB

**Curtis “Wally” Walser**  
City of Cedar Rapids, Fire Department

**Michael Winter**  
Department of Public Safety

**Bob Younie**  
Department of Transportation

**RIC Leaders**  
Rob Dehnert, RIC 1 Chair  
Jason Hoffman, RIC 1 Vice- Chair  
Brian Blodgett, RIC 2 Chair  
Joel Rohne, RIC 2 Vice-Chair  
Glenn Sedivy, RIC 3 Chair  
Shawn Olson, RIC 3 Vice-Chair  
Doug Reed, RIC 4 Chair  
Mike Jensen, RIC 4 Vice-Chair  
Larry Smith, RIC 5 Chair  
Jim Mitchell, RIC 5 Vice-Chair  
Vacant, RIC 6 Chair  
Eric Dau, RIC 6 Vice-Chair

**Ric Lumbard**, Chair  
**Bob von Wolffrad**t, Co-Chair  
**Tom Lampe**, SPOC  
**Craig Allen**, SWIC  
**Helen Troyanovich**, Deputy SWIC

**Meeting Minutes**

*ISICSB – FirstNet Broadband Committee*  
November 1, 2016  
Oran Pape Building  
215 E. 7<sup>th</sup> St., Des Moines, IA 50319

Meeting called to order by Chair Ric Lumbard at 1:00 pm.

**Roll Call:** 14 committee members were present establishing a quorum.

**Committee Members Present:** Ric Lumbard, Dennis Hart, Bob von Wolffrad (teleconference), Shawn Wagner, Bob Younie, Blake DeRouchey, Curtis “Wally” Walser, William McLain, Jeff Anderson, Amber Markham, Jeff Sundholm (teleconference), Steven Ray, Cord Overton

**Regional Interoperability Council (RIC) Members Present:** Helen Troyanovich (Deputy SWIC)

**Members Absent:** Michael Winter, Jason Hill, Craig Allen, Michele Bischof, Tom Lampe, Todd Jacobus

**Guest Attendees:** Jontell Harris (ICN), Jessica Jensen (ICN), Shweta Agrahari (ICN – Minutes Recorder), Ryan Mulhall (ICN), Phil Groner (ICN), Mark Johnson (ICN)

**Approval of the Agenda – Chair Lumbard**

Motion made by Curtis “Wally” Walser, seconded by William McLain. The agenda was unanimously approved.

**Approval of Meeting Minutes – Chair Lumbard**

Motion made by William McLain, seconded by Bob Younie. The minutes were unanimously approved.



---

## Welcome Remarks:

We have a couple updates. The FirstNet Single Point of Contact (SPOC), Tom Lampe, is not attending the meeting today. However, we just came back from a trip, meeting with FirstNet about devices. We will give you the full update on that.

I am going to belay my remarks and take us on to the FirstNet Government Affairs presentation. The reason I want you to view some of these slides, is because it is a very good - current update. Especially, from the governmental prospective. You should have the presentation in front of you in paper form also. We are not going to go through all of this, but I will give you some of the highlights. Ed Parkinson, who flew here during the National Governors Association (NGA) conference, had meetings with us and was watching very intently what was happening with the Governor and flow of the approval processes which we will discuss in a few minutes. This has some key things that I want to take us through right now.

It talks about the mission of the organization but take a look at the governance. I want us to pay special attention to the governance of this Network. This network has a 15 member board with a CEO, President and management team. The mandate is to coordinate with 50 states and five territories in Washington, D.C. advised by the Public Safety Advisory Council (PSAC), which is a 40 member committee. Their governance is very particular. What I am starting to hear even more out of FirstNet is that, "look, we are mandated by law to do this, we are going to do this and we are going to do this to the best of our ability." They are not in an optional mode; their language is even changing. This is happening and this is the way it is going to be. In both, this week and last week, meetings in Boulder, they were very intentional in their communication all the way through - the whole process of the public safety broadband network's planning, deployment and then operations.

Again, the entire FirstNet process was put into a law because of the Middle Class Tax Relief Job Creation Act. This is the law that is going to happen, not just a program. It is actually a mandated process that will happen unless they change the law. They were told to do an RFP and the RFP process is going on.

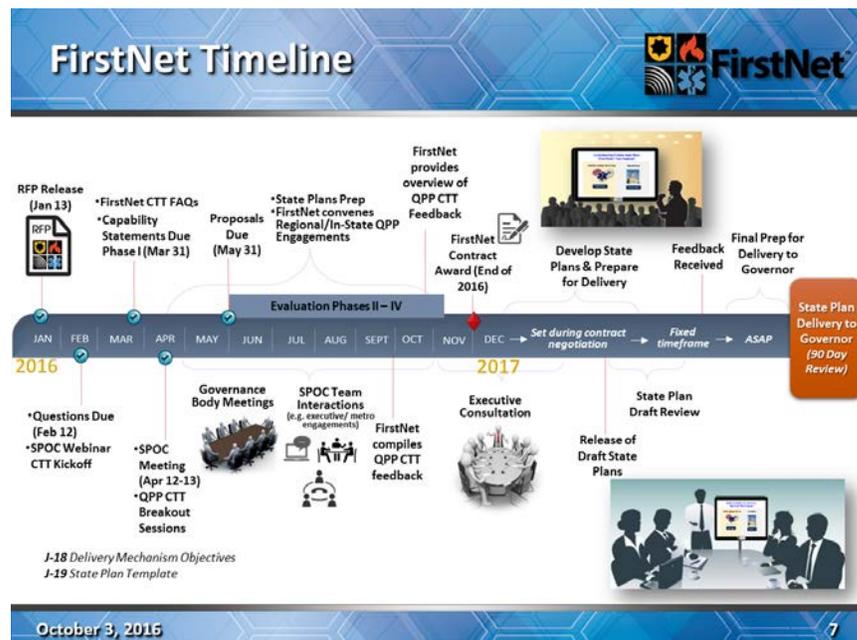
Refresh yourself on the mandates of the FirstNet network:

- To provide nationwide coverage including rural and remote areas.
- To meet public safety requirements which means they have to provide priority, preemption during emergencies.
- Built in redundancy, resiliency and reliability and,
- Evolve with technology to provide access to applications and an innovative services

This is their mandate and they are not straying from this commitment all. Even in talking with the lab people, the people who are testing the devices, they are very intentional about these processes.



There is a press release, “FirstNet contractor will not be announced by Nov. 1 target date, according to the FirstNet CEO Poth”, that Jontell has given you that came out on November 1, 2016. The press release states that they were anticipating to being able to announce the prime vendor by November 1 and they are not quite ready yet. Some information I do have is that it is not because of FirstNet. It is because the Request for Proposals (RFP) procurement process has to go through the Department of Commerce, National Telecommunications and Information Administration (NTIA) and Federal Communications Commission (FCC) and they have not been able to get all the processes through all the adjacent agencies. FirstNet appears to be ready to rock and roll with this. So this news article came out to express that they are not ready to name the prime vendor. Until they name the prime vendor, we don’t have a FirstNet State Plan.



I want to draw your attention to red diamond I on the above slide, “FirstNet Contract award (End of 2016)”. Their anticipation was that they will be able to award in the beginning of November and now they may have pushed the award back just a little bit. After that, they have to begin negotiating the contract and if there are any appeals, that can slow things down. The minute the award happens is when the prime vendor begins to create the State Plans and they are planning on dropping drafts all at one time. They have not told us how long we will have the state plans but they are very intentional and asking us, “What are your plans?” when we get the State Plans, “Does Iowa have a process?” We informed them that yes, Iowa does have a process and revealed the processes. When the State Plan comes down to the state, it will come to Tom Lampe, the FirstNet Single Point of Contact (SPOC) for the state. Tom Lampe will bring the State Plan right to this committee and we have an action item today to form an immediate four-hour workgroup to review the State Plan. As soon as the SPOC receives the draft this committee will convene for four hours to review and to be able to provide feedback back to the FirstNet on whether it is an effective plan or not. If it is an effective plan, then we would begin the process of notifying the Iowa

Statewide Interoperability Communication Board (ISICSB) and the Governor's staff. After that we would open up the conversation that the draft State Plan appears to be amicable to all the design specifics that we've talked about over two to three years. Then we are good to step ahead when the final State Plan comes down provided the final plan comes down as is. So, we have a good process. The Office of Chief Information Officer (OCIO), Governor's office and Department of Management (DOM), ISICSB and this committee are fully involved with this process. We think we can get the draft State Plan approved and have it ready to move forward.

Working with FirstNet in Boulder, Colorado this week, the general consensus is that we will ask the Governor to provide an affirmation at the time the final plan comes out very expeditiously. He has 90 days to do it, but if we prepare everything well and it is a good plan for the state of Iowa, we would ask the Governor's office to give positive affirmation in a short order. We laid all these plans out and we think it's a good plan to go through. It involves all the people we would need. At this time, this does not require any legislative interaction at all. This is not going to be a topic that we will anticipate flying around legislative session. It does not mean it won't but we do not anticipate it will. However, this is our normal trajectory to get this approved. So, all of that process will start right at that red diamond (FirstNet Contract Award (End of 2016)). Remember deployment begins the minute our Governor provides affirmation, the 90 days expires or we opt-out. So, that is where the things are at right now and we are still waiting for FirstNet.

Hart: When the Governor gives the 'Yay' or 'Nay', hypothetically let's say for yes and you say FirstNet is ready. Do they have a plan on how they are going to deploy? I mean where they are going to deploy first?

Lumbard: Very good question. The draft State Plan will have all of that detail. What will happen is when the draft hits us; it will come down through Tom Lampe. He will drop it in in this committee, we will open it and it will say, "Here is the deployment, development plan for Iowa, coverage objectives they are working on, this is their development schedule, and this is where they want to go first." We gave them all of that information in our data loads as to what we want to do during the first priority of deployment. But that was our ask, that does not mean that the prime vendor is going to do that but the real question would be, is the draft State Plan or whole development plan in keeping with what we have requested? If it is identical to what we have requested we can go like this and begin to grease all of the skids. Then when the final State Plan is delivered, there can be a near immediate affirmation. If there is something different and they created some modified deployment for Iowa that was not in keeping with Iowa or that this board felt to be more important than we will go back and say this plan does not work to us and give the prime vendor and FirstNet the chance to revise it. If they do not revise, we would have an option to "opt-out" and go down to that entire path. We won't know any answers until we see the draft plan. The draft should have deployment schedules, deployment priorities, coverage objective, how the prime vendor is going to do it, what they want to do and all of that.

## One Portal / Two Purposes



Here is how they are going to do this. They are actually going to have a portal set up and this is how they are going to deploy the State Plans. It may not be a document, it can actually be a portal shown above. There will be two different sides to it - one will be for the Governor and one will be for Public Safety Entities, so that they can access the portal. They are going to make it very easy; we are going to have a portal that we will connect through and that is how we are going to analyze the entire State Plan. So, the Public Safety Entities will be able to deal with the coverage, services, plans, pricing, procurement options, customer support and the applications and features. The Governor's side will deal with compliance, timeframes, cost and interoperability of everything going on.

The whole process with this is to grease all the skids. Our Federal Emergency Management Agency (FEMA) people flew out to the Boulder with us so they could meet with FirstNet and we went through the entire process of what is going to happen in the roll out. But I wanted to be certain that we are clear on the kind of the process that has to happen. So, I am going to walk through one more time and you can ask any questions.

The draft State Plan will be notified down through the SPOC, Tom Lampe. We will get all the portal information from him. This committee will be first to review the plan. My proposal coming up for the motion is that, we would convene for a four-hour work group to review the State Plan and see if it is even close to what we are looking for. We will do it very quickly so that we can begin to provide feedback to FirstNet, the prime vendor or however we have to do that.

If it is good and we like it, we can express that to FirstNet through the SPOC. That would be in collaboration with Public Safety, DOT, ISICSB, the Governor's office, and through DOM and make certain that we have provided every ounce of information anyone needs to help the Governor to make the best decision. As soon as the final State Plans hit, we would want as near to an immediate affirmation as possible. We may even consider having a letter ready in advance or something like that so it can simply be released once it drops. That would keep us in queue for deployment.

Wagner: So, is your thought that by a rapid response we will end up being in the top of the que for deployment?

Lumbard: We believe that is true, that they will begin deployment on the locations that are either strategic for their core or the first ones who are ready to go. Even in conversation with FirstNet in Boulder and correct me, if I am wrong those who were there, the SPOC even said that “if you want a state that is willing to work with you to get a win, Iowa is the one to be used.” FirstNet recognizes that. They specifically were asking the very direct questions on how we are dealing with the approval process, concerns and what we are hearing from the other states. They are very intentional right now.

Wagner: Do you anticipate there being any drawback to us for being very aggressive in our deployment?

Lumbard: Very good question. I don't think it is important to be first but I would rather help FirstNet do this well in Iowa because I think we have the ability to do it pretty well. We have the ability to coordinate with vendors and have the ability to make it successful. I will say this in a broader public safety sense; I think it should be important to this committee that all of the public safety communications in Iowa are wildly successful. It does no good if Land Mobile Radio (LMR) works and FirstNet does not or if FirstNet does and LMR does not. The public safety communication infrastructure in the state needs to be looked at on a broad enough picture that we want all of the public safety communications to be successful in the state. Part of the concern I have had with some of the stuff is that if the state loses credibility in one communications system, they can lose on the other. Both the LMR and FirstNet, none of these are programs that we have to participate in. We are given the opportunity to participate. So, how well we manage the credibility of the public safety communications in the state of Iowa is very important. Whether it be Homeland Security, DPS or things we help with, we just need to protect the public safety communication model in the state of Iowa. So my point in saying this is that I want FirstNet to be successful in the state of Iowa and I think we have the ability to help ensure that it works well. I feel the very same for LMR and Next Generation 911 (NG911). Those ecosystems in the state of Iowa need to be successful or they will actually draw against each other, especially when we are talking about cities or locals who are asked to participate with FirstNet or have the option to participate with LMR. It is a very strong relational aspect in the communication process. So my commitment is to help make certain that communication protocols work very well. If there is a way to be on the front end of FirstNet, help Iowa to be apart of the solution with FirstNet and we can help ensure that Iowa is successful with that then I think that is the best place to be. We don't want to be on the bleeding edge and also, we are not going to wait 24 to 36 months and lose momentum. Bob, do you have any ideas on this topic?

Wolffradt: I think that is the right approach, I agree with you Ric. We don't want to be on the bleeding edge where people can get hurt, but what we do want to do is accentuate with the positive things the state has to offer. Anybody knows that we have a really high chance of success of getting this across the finish line and to that end; I think we are all supportive of working with



the government to get this deployed. We will look at the risks when we see the plan. I think we are on right track.

Lumbard: Thank you, Sir. Did I answer your question Shawn?

Wagner: Yes.

---

## **Old Business:**

### ***“Opt-In/Opt-Out” Updates – Committee***

Lumbard: The only update I have is that in Boulder, they were concerned if we were hearing from other states as far as “opting-out” and I just shared with them what we have heard in the past but no new information at this time.

### ***FirstNet Programmatic Environmental Impact Statement (EIS) Update – Jontell Harris***

The public comment period ended in early October. Iowa did have one comment submitted by the State Archeologist. There were 6 comments total from different states and Iowa had one comment.

Lumbard: In your handouts you should have that comment that was submitted from Iowa that Jontell referenced. His name is John Doershuk, a State Archeologist made a comment on the environmental study.

---

## **New Business:**

### ***FirstNet Device Demo – Ric Lumbard***

We were able to take our SPOC down to the FirstNet Lab in Boulder, Colorado. We also took a couple other people who had not yet experienced some of the devices. We were able to go over this process and I am going to take you through some of it. I will give you some highlights. We actually had the opportunity to experience some of the devices and take a look at their testing process. Their lab is very exquisite; it is set up to create every possible cellular testing scenario. They have Radio Frequency (RF) clean rooms that totally knock out every frequency in a room. It is basically a copper cube, so you can take devices in there

and create certain scenarios. They have even offered that if anyone comes up with new scenarios that need to be tested, the FirstNet lab is open to utilize.



The slide features a blue header with the text "FirstNet Lab Devices Received" and the FirstNet logo. Below the header, there are two main sections: "Rugged Smartphones" and "In Vehicle Routers". Each section includes a list of device models and their deployment locations, accompanied by small images of the devices. The "Rugged Smartphones" section lists Sonim XP7 (AT&T Variant), Bittium Tough Mobile (Device group purchase), and Motorola Solutions LEX L10 (Verizon Variant). The "In Vehicle Routers" section lists Sierra Wireless (InMotion) oMG2000 (Verizon + B14) and Motorola Solutions VML-750 (Verizon). A small number "2" is visible in the bottom right corner of the slide.

### FirstNet Lab Devices Received

#### Rugged Smartphones:

- Sonim XP7 (AT&T Variant)
  - Deployed: JerseyNet Trial Only: Harris County, New Mexico, LA-RICS, Adcom
- Bittium Tough Mobile (Device group purchase)
  - Trial Only: Harris County
- Motorola Solutions LEX L10 (Verizon Variant)
  - Trial Only: Harris County

#### In Vehicle Routers:

- Sierra Wireless (InMotion) oMG2000 (Verizon + B14)
  - Deployed: Harris County (Brazos County area)
- Motorola Solutions VML-750 (Verizon)
  - Deployed: Harris County, LA-RICS

The two types of devices FirstNet is testing are:

- i. Rugged Smartphones, FirstNet has three versions: Sonim, Bittium and the Motorola. These are normal size smartphones. They are ruggedized. Right now, there are three smartphones are already set up, being tested and qualified for Band-14. Some of these are already in use. The Sonim is already in use at the LA-RICS test and Adcom, which is in Adams County. Bittium and Motorola are being used in Harris County. These are all Android devices. The reason why Apple will not provide devices is Apple would have to have demand for millions of phones for them to do a production run for Band-14. So, you will not see an iOS Band-14 FirstNet device.
- ii. In Vehicle Routers, we actually got to see how these work. One router is the Sierra and the other is Motorola. These are in use right now. Here is how it works: it is installed in a vehicle and once installed, it provides a canopy around that vehicle by several hundreds of feet. Not only the Band-14 network, but also the Wi-Fi is canopied out from that vehicle. This could be anything, any vehicle equipped with radios. Those are the models they are testing. They are just about the size of amplifiers that would go into a car.

## Other Devices Planned



Other priority devices to acquire for lab support include:

- CalAmp In Vehicle Router (also rebranded by Harris)
  - Deployed: JerseyNet (Harris), Adcom (CalAmp)
- Bittium Tough Mobile (Engr build to support logging)
  - Phone with engineering debug build required for lab support
- Sierra Wireless MC7354 Modem Module with Development Kit
  - Module provides commercial band support for Sierra Wireless, Motorola, CalAmp, Cradlepoint in vehicle Routers
- Cradlepoint dual modem In Vehicle Router



3

They are trying to get some additional devices. They have CalAmp, which is an in vehicle router shown in the picture above; they are already in use in Colorado. The Cradlepoint has a dual modem in vehicle router. It actually goes into the vehicle which would allow connection to numerous network infrastructures and it allows the car to basically be a walking communication hub. This actually can create every vehicle as a cellular on wheels. Imagine all the state patrols on rolling hot spots and able they are able to carry those things and couple that with LMR. It changes the whole dynamic of how well communications can operate.

## Band 14 Device Availability

○ - Devices Acquired for FirstNet Lab Support



### In Vehicle Routers:

 Sierra Wireless: OMG2032 Available, band 14 <b>NOT</b> PTCRB certified	 <del>Motorola VML700</del> Discontinued, certified	 Motorola VML750 Available, certified
 Sierra Wireless: MG90 Available, band 14 <b>NOT</b> PTCRB certified	 Cal Amp Fusion (Harris MBC200) Available, band 14 <b>NOT</b> PTCRB certified	 Cradlepoint IBR1100 Available Oct 6, band 14 <b>NOT</b> PTCRB certified

### Smartphones:

 <del>Motorola LEX700</del> Discontinued, <b>NOT</b> PTCRB certified	 Bittium Tough Mobile (Harris LMC-1000) Available, certified	 Sonim XP7 Available, certified	 Motorola LEX L10 Available, certified
--	--	---------------------------------------	--

### MDTs/Tablets:

 <del>Harris RF-3590</del> Discontinued, <b>not</b> certified	 <del>Motorola MW810</del> Discontinued, <b>NOT</b> PTCRB certified
---	---

### Modems & Specialized:

 Harris PBM-214 Availability?	 <del>Cassidian MPC14</del> Discontinued, certified	 <del>Motorola UMB1000</del> Discontinued, <b>not</b> certified	 Sequans LM 6351 Custom design - not commercially available, certified
 Harris XL-200P Pre-commercial for LTE support	 Motorola APX7000L Available, certified, limited LTE functionality	 <del>General Dynamics AMW</del> Available, band 14 <b>NOT</b> PTCRB Certified	

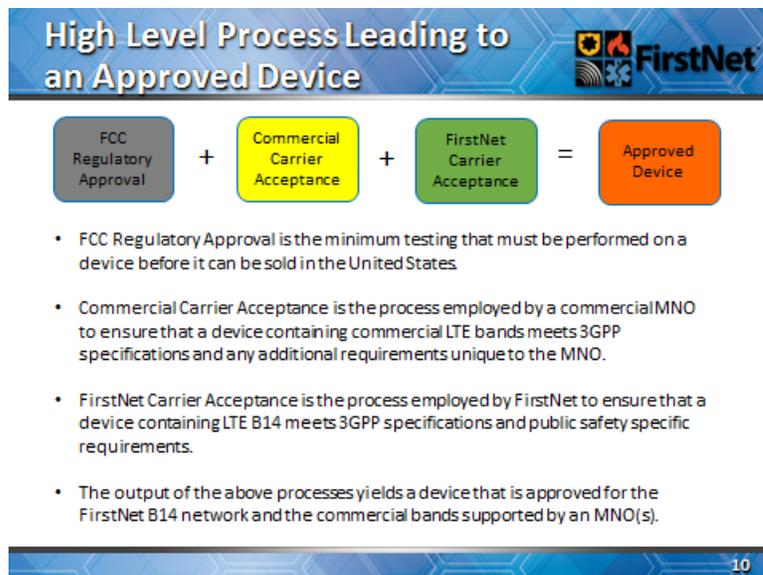
4

The in vehicle routers are shown with yellow circles. The Sierra and the Motorola are the only two in vehicles routers that have been certified for Band-14. Then shown on the upper right, the Bittium, the Sonim, the Motorola are the only three smartphones has been certified. At this time, there is not a single Band-14 tablet that has been passed for the certification. Now at the bottom right of the slide, in a very interesting little spec, you probably know that we have both Harris and Motorola radios working in the state, but the Motorola APX7000L is being equipped for Band-14 access also. This will only be for data purposes, for the purpose of downloading different things. These are the two hand held radios they are looking at in the future to be equipped, but don't get into the push to talk conversation. So, this is not merging Band-14 using push-to-talk on a Motorola APX. The APX is still the LMR, but it could receive all of the data feeds right off of FirstNet's update and frequency shift.

Wally: The Harris XL-200P, they do have units out in a testing environment. They are equipped with an LTE card but it is not Band-14 network right now. It is using available commercial network.

That is what FirstNet says, pre-commercial for LTE support. So they are saying that they have LTE but have not gone to Band-14 yet but that is what they are testing.

For this committee's purpose, I want to address the push-to-talk. There is a long way to go for push-to-talk and we talked to FirstNet lab technicians about that whole issue. It is true that in the future they can implement push-to-talk on the FirstNet network, but mission critical voice is still going to be the LTE for a long time in the future. It has more to do with voice and how data operates in the LTE world. It is still not ready to perform mission critical connectivity at that level. For our purpose, please let just LMR be LMR and FirstNet data communications be FirstNet data. It will happen when the technology takes another leap forward to provide that mission critical talk. FirstNet is analyzing piles of data on every call to see how well data is working on Band-14.



The grey box on the slide states that a box or a radio has to go through FCC Regulatory Approval before it can be sold in the United States. After that, it has to go through the Commercial Carrier acceptance process, then it will have to go through FirstNet Carrier Acceptance which is in Boulder. Finally a box or a radio is an approved device. So, it is a tough barred entry to get ready for the devices for the Band-14 and all the different specification they have to go through. There are numerous devices that have been failed at different stages of this trajectory.

Wagner: Did they talk about the Global Positioning System (GPS) and middle of distance of tracking availability at all with the FCC? Let's say somebody has the radio on them and they were hit or they were down. I was watching different FCC regulations where sometimes it is six football fields versus one football field of where we can track that person to. Did they talk about that in the devices?

Lumbard: We did not have long conversation on the Radio Access Network (RAN) and the signaling power of the devices versus tower. One of the conversations that is very flexible is that the radio signal of each device is different and radio signal is even different than the GPS signal. So, GPS can actually run independent of the radio and it will really depend on each device how well they signal and how well they read. They are even saying that in areas where there is lots of RF, you can have a very strong signal but your phone is overloaded by adjacent cells. Even though you are in Verizon right now, your phone is able to see all cell signals that is being broadcasted around you and if there is too much of that it can diminish it. So part of the frustration in RAN design is just that cellular is not a defined science because of all these things that can compete with how well your device can receive signal from the plate in your head to the radio station. They also say that certain phones work better on your left ear than your right ear and they are actually called right handed phones because of how the radio antennas move down in the phone. We had no idea it was that fickle of a technology. That's also why push-to-talk voice has a while before it can actually be in LTE environment.

Jontell has also given you the sheet with websites if you want to get on the FirstNet blogs and read up on devices. If you are one of those people who stay deeply involved in technological trends, you can stay up-to-date.

Vehicular Network System –

<http://www.firstnet.gov/newsroom/blog/tech-talk-updated-vehicular-network-system-vision>

FirstNet's Device Approval Process –

<http://www.firstnet.gov/newsroom/blog/tech-talk-intro-firstnets-device-approval-process>

Public Safety Virtual Assistants for FirstNet –

<http://www.firstnet.gov/newsroom/blog/public-safety-virtual-assistants-firstnet>



**Action – FirstNet State Plan Approval Process – 4 -Hour Work Group - Ric Lombard**

I am suggesting a FirstNet State Plan Approval Process to form a 4-hour work group that would happen immediately when the state plan is released. I am going to open the floor for discussion here in just a moment before I put the motion on the table. In this decision process, what would be the best way to go about this? Let's assume that in the next 60 and 120 days the SPOC is notified that the draft State Plan has been released with the link to portal, and is asked to please review and get back to FirstNet with any questions or suggestions. What would you think should happen here? What do you think our action should be? How do we look at it? How quick do we want to be? I doubt that they are expecting less than 30 day response. What do you think we could do to best facilitate an in-depth review of the plan – quantify qualify, tear it apart, love it and hate it - the whole 9 yards so that we can provide a response back?

Wally: I guess I am a big fan, as it is suggested, in an in-person process. We all bring different tools and skills to the table. Sometimes it is convenient to teleconference and video conference, but it still does not remove the distractions that come with the day to day job. And sometimes it is easy to pull away from that type of distraction, but for me it is an hour and 50 minute drive from here which is not too bad but that driving that distance would help allow me to focus on important issues such as this. I think we are going to get hit with a lot of information that we have not seen before and this is really a deep concept, not in terms of LTE but it is from how it is being implemented and what it is for. This is not like a replacement for something that has been done before, but this is version no. 1. I am more than willing, with certain scheduling restriction of course, to meet in-person to review it.

DeRouche: Do you know how thick or technical this plan is going to be? Mostly because I think it will be nice to review it before we meet, but if it is going to be overly complicated, it might be good to review as a group, write it down and break it down.

Lombard: We don't have any idea of what the plan will look like, no way of knowing. It seems to be electronic, that's the only thing I know so we should be able to distribute it somehow but I don't know much more than that.

Younie: I think the concept of the work group is very useful for us, but I wonder if it would be more useful if we had a charter of statements, list of expectations, and a list of action items. This would be helpful so that when the group meets, they know what their charter is and know what their charge is.

Lombard: Do you think a 4-hour review is even close, do we even care or do we need to specify a time?

McLain: I think if you put the timeline on it, you are going to rush and miss something.

Lombard: Yes, you bet. It could rush the process.

Sundholm: Yes, you don't know big it is going to be. It could be one hour or it could be eight hours. It depends on the size of the response.

Wally: I agree with moving relatively quickly though, as opposed to dragging it out and whatever that commitment needs to be may be based on the relative size of what we see and the complexity of it. Is it technical or more operational and project management wise, the technical size, we don't know. Certainly, if it can be shared ahead of time and be reviewed. Anytime you do homework in a committee, you are going to be more efficient. Maybe we can identify four or five areas that we have been talked and try to extract from the plan where they are going to start, do we understand the timeline, do we understand how deep it is going to go, and may be the big questions about the cost and the money.

Lumbard: We should be able to determine the cost.

Wally: May be that something we need to look into it but not to put in stone. I was also told that the executive level reads bumper sticker, not book reports. The cost things probably something we need as a bumper sticker. Maybe we should work on our mission or what steps we are looking for. Maybe we want to find answers to four generic things by analyzing the plan. Bob, is that what you mean?

Younie: It could be a little bit like an RFP analysis when you have certain things you identify ahead of time of what you are going to look at, evaluate and report back.

Lumbard: That is a very good point, I am sure it can feel like RFP evaluation. Just few takeaways, general ideas, an in-person meeting would be better? We could do audio and/or video bridge, but in-person is preferred. Would seven to ten days of notice would be effective for us? They are not going to say to get back to us in 24 hours. That is not going to happen. We are going to have some time to review. I assuming it will be released during the work week. If FirstNet provides an electronic document in advance so you have time to review and we provide atleast seven to ten days of advance notice from the point of electronic copy. You would have a good week to review. We won't determine the length of the meeting, we will just have to start and assess it as we go and see what we can do. What I want to do is put a spec together. We can put together a chartered document as Bob said so we have a structure to the whole thing about what we are looking for.

Younie: Mr. Chair, do you anticipate them having to list specific board members who would be charged with this responsibility? Does that not come here? What is the outcome?

Lumbard: No, this board is the decision process. I don't want this to be a work group. The whole purpose of this board is to evaluate this State Plan. So we will run this invitation to be as inclusive as possible to the entire board. This is the combination of what this board was for, to get us to this place. I would say that as many as are able to be involved at that stage of the conversation will be valuable so that we are able to make the best decision possible. Our Governor knows and he has

the full complement of the FirstNet Broadband Committee to be able to pull it together and provide this evaluation. If someone can't be there, I don't think it is a big deal, but I think we want to be as open and inclusive as possible. I don't want to create a subgroup with this idea. We would provide the official response to the chair of the ISICSB then it would work its way to the Governor's Office.

Younie: I agree with this Mr. Chair.

Lumbard: What I will do is, we will draft what the charter document could look like and provide that in the next meeting for approval. I doubt we will have the draft state plan in the next 30 days before we meet again. We will have a marching order in a plan and I am also going to include the approval process in a flowchart so you can see what the SPOC has determined as a normal or the best process flow for this. I think we saw the approval process for Arkansas. Arkansas's number of committees, departments, process for them to approve the state plan is extraneous. That may work for their government, but we have a very good process with the ISICSB, this committee, and the Governor's office. We have good communication all the way up and down through administration. I think we are the best case scenario to get this handled well. Next meeting we can expect the chartered document for approval.

***Action – 2017 Committee Meeting Schedule Approval– Jontell Harris***

In the past, in the November meeting, the committee has always voted on the meeting dates for next year. It is time to approve the 2017 schedule. The list of dates are provided to you. I am proposing that we continue to have meetings on the first Tuesday of every month at 1 pm in the Oran Pape building. One day I would like to draw your attention to is the July meeting. The first Tuesday of July falls on July 4 – Independence Day. So, the meeting is moved to July 11, the following Tuesday. The meeting occurrence would be basically the same with the exception of any additional meetings that are needed for the review of the draft State Plan.

***Motion:*** 2017 FirstNet Broadband Committee Meeting schedule approval with the exception of July 4. July 4 meeting is moved to July 11, the following week.

The motion was moved by Bob Younie, seconded by Jeff Anderson.

Wally: Do we know if the ISICSB meetings will remain on second Thursday? Is there any internal discussion on that?

Lumbard: I have not heard any changes, have you Shawn?



Wagner: As far as I know the plan is to stay on second Thursday because we coordinate with the 911 Council. I assume the meetings will continue to be held on second Thursday.

The motion was unanimously approved.

---

**Comments:**

Wagner: Would there be an opposition to when you finish your flowchart of the draft plan process to include that in our metro engagement presentation so we can provide as much new information as possible?

Lumbard: I think we should be as open as we possibly can be to the Metro Engagements to give them every ounce of information that helps them to be powerful in that discussion. Anything we have, coordinate with Jontell and anything that Jontell creates for this committee should available to the Metro Engagements.

Troyanovich: The presentation that Ric showed today with the devices from the Boulder Colorado is on the ISICSB website in PDF format for sharing, if anyone would like to download, email and share with the constituents in your area. It has also been sent to the Regional Interoperability Council leadership to share in their regions. We do have our new website and it is being scanned for security right now. Once the website is up and we would like to begin posting the FirstNet agendas, meeting minutes and documents. You will be able to see the meeting information on the ISICSB website as long as Chair Lumbard and Tom Lampe approve it.

Lumbard: We are looking to get our hands on a Band-14 Sonim device, one of the demo devices. I think it would be good to take to the Metro Engagements. Obviously, there is no Band-14 so we cannot use it here, but it would probably close out the conversation if they see a Band-14 phone. I think it is really specific to who uses it. All of these three versions are pretty tough.

Curtis: Did they mention about being dual band or dual mode?

Lumbard: Yes, some of the phones, in fact, are. If you look at the document there, one of them actually shows that not the Sonim but the Motorola version is a double SIM. You can switch between the SIM cards. You can have commercial broadband in one and the Band-14 in the other.

Wagner: Would it be okay to approach the iOS versus the Android topic in the Metro Engagements as well? People will ask that a lot

Lumbard: Sure, right now it is all Android simply because Apple is very clear on what it takes for them to make any modifications inside their hardware. We are talking about the global deal. Band-14 is actually a US frequency spectrum. Allocation in Europe, they use completely different spectrum for their public safety. So get to get Apple globally to do a manufacturing run for a Band-14 radio isn't possible when the public safety count nationwide of potential devices is not what they see as a market space. It doesn't have a very strong business case. It is not that FirstNet had not had a discussion with them but that is their metrics. It would have to be millions of devices before they do a production run.

***The next FirstNet Broadband Committee meeting is scheduled for December 6, 2016.***

---

***Adjournment:***

Bob Younie moved that the meeting be adjourned. The meeting dismissed at 1:53pm.

ATTESTED TO:

---

Ric Lumbard, Chair, Iowa FirstNet Broadband Committee

