



Status Meeting Minutes

WyLink Contact Number: 307-777-WLNK (9565)

Date: August 26, 2013 **Time:** 10:00 A.M. To 11:16 A.M.

Location: Geology Conference Room, first floor of the Planning Building (south end)
Conference Phone: 877-278-8686 PIN: 085726

Attendees

Bill Fleming, Wireless Advanced Communications by phone	Marty McCoy, WyoLink
Bill Walter, FBI and PSCC	Neil Clatworthy, Motorola
Bob Symons, PSCC	Paul Newman, Motorola
Bob Wyatt, PSCC by phone	Rob Wilson, WYDOT
Dan Wilson, BLM	Steve Langworthy, Motorola
Jim Pobanz, Motorola	

1. Core Site Status

- a. **Hell Hole (USFS) 2012:** August 26, 2013: **This site is operational. No Change.** The lease for this site has been sent to Idaho for their signature.
- b. **Hoback Area (BTNF):** August 26, 2013: **No Change.** This section has been renamed to Hoback Area to more accurately reflect the location of the sites that will be used to provide coverage in this area. Due to the extreme cost of constructing at site at Pow Wow (~\$5.5M) and the extreme cost of maintaining a site in a roadless area (by helicopter), the PSCC has directed Marty to look at alternative sites. To this end, Marty has contacted Silverstar Communications to discuss the possibility of sharing their site at Black Mountain, Idaho. Marty will also be discussing other sites with the Bridger-Teton Forest Service. Marty will ask the Forest Service to issue appropriate notices to entities who may want to share our sites when the time is appropriate so these sites can be permitted with these possible users in mind. Funding to construct these sites is lacking at this time, but WYDOT is looking to replace the funding used for the upgrade over the next couple of years beginning with the FY 2014 budget, according to Ken Shultz.
- c. **Salt Pass (BTNF):** September 3, 2013: **This site is operational.** The reclamation of the old site is expected to be complete in 2014. Jay Hokanson informed Marty that Star Valley Search & Rescue has indicated they will accept the coverage

provided by the new Salt Pass site and will allow the old Salt Pass site to be removed. Marty sent a form to Star Valley Search & Rescue (and Jay Hokanson) for them to sign. Marty and Michael Schrotz have discussed the reclamation of the old Salt Pass sites, and Michael will let Marty know what the BTNF would like to see. Some of the coverage testing from Salt Pass is on the GIS map of coverage testing results, and some results still need to be uploaded. The WyoLink Support Office is working closely with WYDOT's GIS program to make this happen.

- d. **Signal Mountain (GTNP):** September 3, 2013: No contact with the GTNP has been made since the meeting with the BTNF and GTNP in March of 2011 because this site is permitted to Union Wireless and any sharing of this site or modification of the permit will need to happen in full cooperation with and led by Union Wireless. Therefore, until Union Wireless and WYDOT reach an agreement on possible sharing of this site, WYDOT will refrain from discussing this with the GTNP. Marty has spoken with Union Wireless about their progress on evaluating the possibility of WYDOT sharing at this site and they are working on obtaining a structural analysis on the monopole at this site. They would like to have us share this site with them, but are still working through all the details. Funding to construct a site in the Togwotee Pass area is lacking at this time. Marty met with Teton County, Union Wireless and the National Park Service in Jackson on May 10th to discuss this site. Union still has some analysis and site cleanup to perform before approving our co-location request. Marty will ask Union if it would be possible to approve our co-location request with the condition that we would not be allowed to install any equipment until their work at this site is complete. Marty is working with Bill Jepsen of Teton County to perform some coverage testing from Signal Mountain before the installation of any equipment to get a good handle on the coverage this site might provide. Marty will work with Ken Shultz and Union Wireless in the coming month (September) to move this site forward. Marty will work with WYDOT Telecommunications Techs in District 3 to work with Bill Jepsen to have this testing performed.

2. Portable Coverage Enhancement Site Status

- a. **Green River:** September 3, 2013: The foundations for the building and tower have been poured. The building and tower are scheduled to arrive the end of September. Marty will inspect this site with Neil Clatworthy (Motorola Project Manager) on Wednesday, September 4th. Tony Richno is inspecting this site on a regular basis. There is an issue with an adjacent landowner – Questar – that Marty, Motorola and the City of Green River are working to resolve. Questar will not allow WyoLink, their contractors or subcontractors on their property without a construction easement. Construction is proceeding as best it can without setting foot on Questar's property. We are working toward a resolution of this, as it would make it much easier to set the building and tower if we were able to temporarily place a crane on Questar's property.
- b. **Pinedale:** September 3, 2013: Marty and Bob are assisting Sheriff Lankford as Sublette County applies for a modification to the Special Use Permit to accommodate the new tower at this site. There are tribal concerns about the visual impact of this

tower on certain culturally significant sites. Marty and Sheriff Lankford are working to identify these concerns and resolve the issues. Marty has received Motorola's site design with modifications to address these visual impact concerns, and will be discussing it with Sublette County Sheriff Lankford, WOHS Director Guy Cameron and others on Friday, September 6th.

- c. **Wheatland:** September 3, 2013: Construction at this site has begun. Marty and Neil Clatworthy (Motorola Project Manager) will be inspecting this site on September 3rd. Marty will keep Platte County informed, and will work with both Platte County and Wheatland REA, giving advance notice before any work is started. Marty and Motorola are working with Platte County on permitting issues at this site.
3. **Low Speed Data:** August 26, 2013: WyoLink continues to work with WHP and other agencies interested in utilizing Low Speed P25 Data to address their concerns and ensure that their operations do not adversely affect WyoLink. A Low Speed Data usage chart will soon be added to the end of the WyoLink Status Agenda and Minutes. Marty has asked A. J. Myers, WHP's IT person if there is anything else he or WHP might require to help them with their usage of Data over WyoLink as a backup communications method when their troopers are out of range of cell service and their cell air cards don't work. A.J. has not indicated he needs anything else from WyoLink at this time. Mark Coler and Paul Newman will be working with A. J. Myers to resolve the issues he is having with Data over WyoLink. There may be a feature in version 7.14 (called the Enhanced Data Infrastructure Link) that could improve data speed over WyoLink. Jim Pobanz will obtain more information for Marty.
4. **Console Connectivity:** August 26, 2013: Marty and Mike Kurz (WYDOT Telephone section) have decided that the leased T1 circuits to the consoles in Lander and Riverton would be the next candidates for replacement with lower cost ME links. Mike Kurz has begun work on this. Marty will be working to extrapolate future effects of new consoles and voice loggers on the SUA. Prior knowledge of and approval of new consoles and voice recorders may be necessary to accurately control and predict future WyoLink costs, and Marty will carry this idea to the Operations Workgroup. The second kickoff meeting for the Lincoln County console was held Friday, June 17th. Bill Walter indicates the BIA may purchase a wireline console for the Wind River Police Department. He will mention to the BIA and the Motorola Federal representative that WyoLink will need advance notice of T1 lines and any change to WyoLink's configuration to accommodate this console. Motorola indicates that the console installation for the Kemmerer Console is still on track, and the schedule has not changed. The customer still has a fair amount of work, including construction and connection of services to the new building. Clark Wireless was in Cheyenne Tuesday, August 6th to finish work on the Kemmerer console and transport it to Kemmerer. Marty is still evaluating the possibilities for a console link, but it looks like we will be using a PtP link from the Lincoln County Justice Center to WYDOT's Oyster Ridge site instead of a leased T1 link. Lincoln County will bear the responsibility for operation and maintenance of this PtP link once it is installed. Jay Hokanson is working on Lincoln County's talkgroup plan with Bob Symons.
5. **Adjacent State Connectivity:** August 26, 2013: **No change.** Bob reports that Idaho, Montana, Nebraska, South Dakota and Utah are all in varying stages of system update and compatibility, and that he continues to have meetings and dialog with these states as they move

forward and contemplate connectivity with WY among other states. Bryan Morehouse and Goshen County are considering an ISSI connection between Goshen County and Nebraska. Bob Symons is involved with both sides as they discuss this, and will continue to do so. Nebraska is at version 7.11 and is moving to version 7.13. CSSI compliance and conformance testing is in the works at TIA, according to Bob. Bob has also been meeting with South Dakota, who may be considering adding WyoLink talkgroups to their radios. SD is currently at version 4.1, and is migrating their radio sites to 7.x, which would allow their radios to operate on WyoLink.

6. **Risk Management:** These are WyoLink issues posing significant risk to the system and a description of the risk.

a. **Hoback Area Communications: High Risk.** August 26, 2013.

Given the extreme high cost for constructing and maintaining a site at Pow Wow, The PSCC recommended that Marty move forward with a more detailed proposal for using Black Mountain, ID, Monument Ridge, WY and one other site to provide approximately the same coverage. Funding to construct site providing coverage in the Hoback area is lacking at this time.

b. **Local Activity Affecting WyoLink Performance: Medium Risk.** August 26, 2013. Cities that are building 800 MHz sites may bring heavy loading to nearby VHF sites, similar to the situation in Casper. WyoLink will need to monitor the trends in areas that are considering moving to 800 MHz, and review the effect of their operation procedures and the development of their talkgroup plans on surrounding sites. Bob and Marty will have discussions with local agencies to see what can be done to reduce the impact to WyoLink from their local operations. The WyoLink Office tracks usage on the system (including busies) to keep aware of possible issues on WyoLink both now and in the future, and is observing heavy loading on two sites in south east Wyoming – 85 South and Cheyenne Water Tank. Marty will keep the PSCC Operations Workgroup informed regarding this. Additional loading to WyoLink towers in the Cheyenne area is coming from a statewide agency patching two talkgroups from opposite corners of the state. Marty is working with this agency to resolve this increased loading.

7. **Coverage:** September 3, 2013: GIS has completed work on the public version of the map displaying BER based coverage testing results. Testing results are being uploaded to WYDOT's GIS program and the coverage map is showing these results as they are uploaded. The URL for this map is: <https://apps.wyoroad.info/wyolink/coveragemap.html> Please be aware this map has a limited amount of testing results displayed at this time, although additional results are being uploaded and displayed weekly. This map displays coverage testing results from a mobile radio standpoint. Additional coverage testing will be performed the weeks of August 19th and August 26th in Albany and Carbon Counties. in Converse County. WyoLink is working towards testing coverage from the existing Forest Service site at Signal Mountain. The WyoLink Support Office has performed coverage testing in Laramie and Wright, and will be working with these localities to resolve their issues with coverage. .

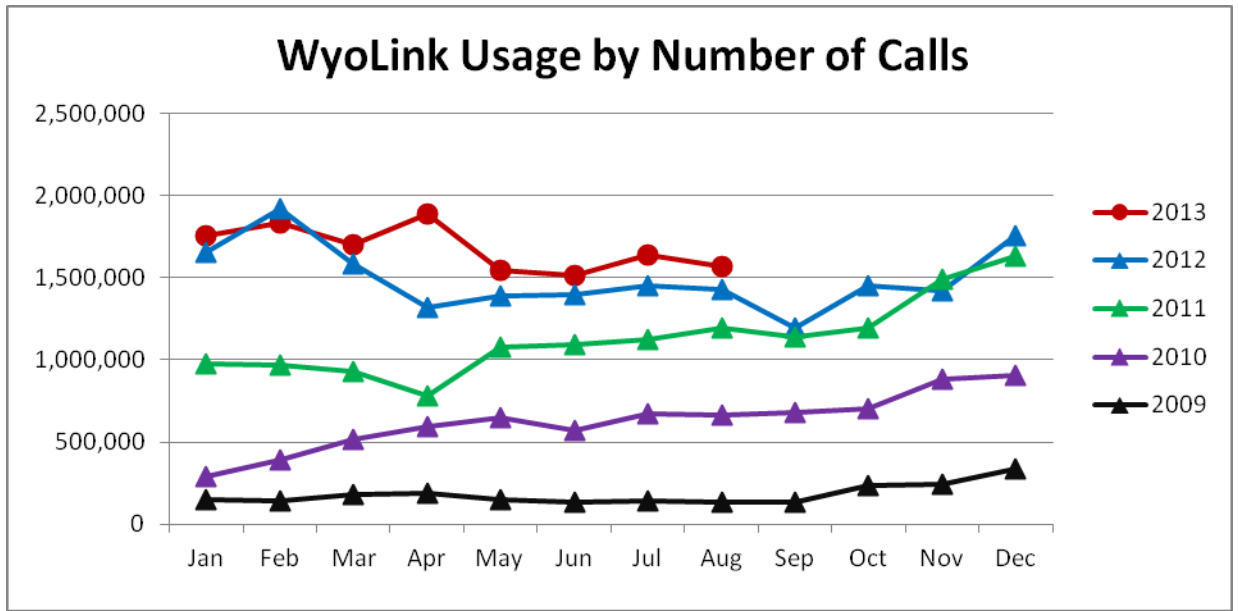
8. **Busies on WyoLink:** August 26, 2013: There are still a high number of busy indications on 85 South and Cheyenne Water Tank. The WyoLink Support Office is working to identify heavy users and perhaps make adjustments to alleviate the heavy loading on 85 South

and Cheyenne Water Tank. These two sites would still benefit from two additional channels each to increase capacity, though. Marty is preparing monthly cumulative busy reports for the PSCC Operations Workgroup.

9. **Dragging Traffic:** August 26, 2013: The WyoLink Support Office has started researching instances when traffic is being dragged across the state, and has prepared a report form that will be used to document these occurrences. The WyoLink Support Office is not aggressively tracking instances of dragging traffic unless it results in busy indications, but does research occurrences when time permits and they are noticed. WyoLink users are encouraged to move off their normal dispatch talkgroup when traveling outside their home area to avoid dragging their dispatch traffic to a remote portion of the state unnecessarily. This can cause unnecessary loading on towers removed from their local area and create busy indications both in these remote areas and in their home area. There have been no notable instances of dragging traffic in the last month. Marty and Bob will create an article on dragging traffic for distribution to WyoLink Subscriber Agencies.

10. **Codeplug Schedule:** September 3, 2013: The WyoLink Office has completed about 2775 codeplugs to date in 2013, with an average wait time of 10 days. Currently there are 180 codeplugs on our schedule to be completed. The predicted wait for codeplugs that are newly submitted is about 12 days. We are working diligently to process codeplugs and return them to each agency so they may insert them and begin to use their radios. If any agency has questions about their codeplugs, please call the WyoLink Support Office and we will be happy to help.

11. **WyoLink Usage:** September 3, 2013: Currently there are about 16,650 radios and consoles able to use WyoLink. There are 267 agencies approved to use WyoLink with 112 State and Federal agencies and agencies in 19 Counties having moved their operations to WyoLink. WyoLink usage to the end of July in 2013 is 13,444,584 calls, with a busy rate (by time) of 0.025%. In 2013 WyoLink has been available over 99.9% of the time. The WyoLink Site Map is now part of the WyoLink Status Meeting Agenda and Minutes. At the end of this WyoLink Status Meeting document is a chart and data showing the top 50 talkgroups on WyoLink by air time. WyoLink subscribers, member agencies and other interested parties are encouraged to use the new WyoLink contact number – 777-WLNK (777-9565) -- for all their WyoLink contact needs.



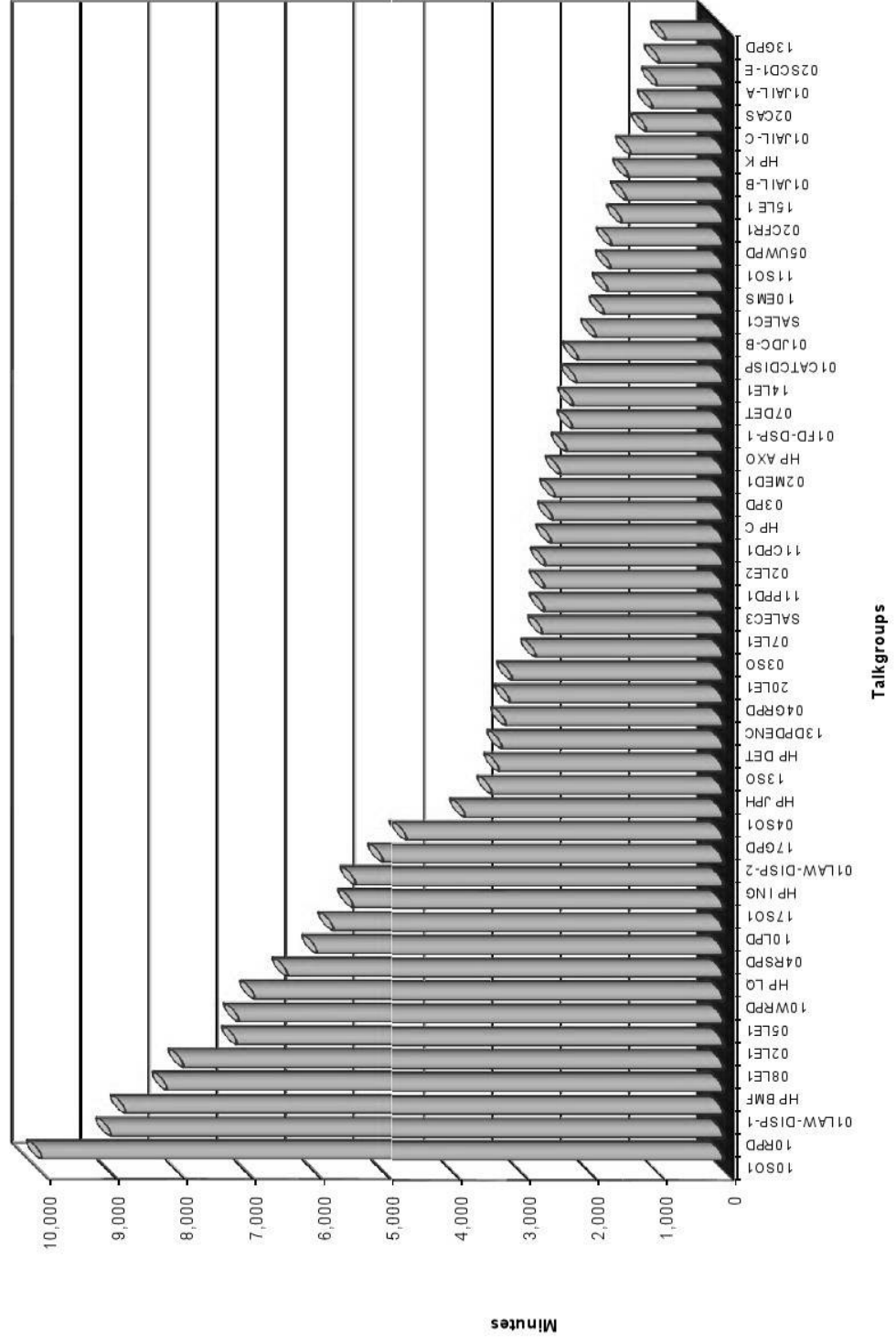
12. PSCC Meeting: August 17, 2013: The next PSCC meeting will be in Sheridan at the County Courthouse, second floor on September 11th. As the date approaches, more information will be available. If you know of anyone who would like to receive notices for PSCC meetings, please contact Bob Symons (307-777-5065 or bob.symons@wyo.gov) or Marty McCoy (307-777-4756 or martin.mccoy@wyo.gov) and we will add you to the distribution list for these notices.

13. WyoLink User Training: August 26, 2013: Bob Symons, Kim Lee and Lanny Applegate are working on a new WyoLink User Training program. This training program will change drastically from what it has been in the past, and will start as a Train the Trainer program, concentrating on the radios that each agency uses. This will be an agency specific program. The goal is to have this training program complete by the middle of August. Bob is now acquiring names of potential trainers for the first class. This training will be more user oriented, concentrating on what is in the user's radio. There will be two basic handouts. One will be the user's talkgroup plan and the second will be a picture of the user's radio with descriptions regarding the function of the buttons and knobs on the radio. Bob Symons is working on assembling a list of instructors. The first class was scheduled to be Thursday, August 29th. After this class, there may be modifications to the class based on the feedback received.

14. Next Meeting: Monday, September 30, 2013 at 10:00 in the Geology Conference Room, Planning Building, first floor, south end.



Total Airtime Chart for the Top 50 Talkgroups for August, 2013



Total Airtime Top 50 Talkgroups

System	Zone	Site
ALL	ALL	ALL

GenesisWorld.com

Start Date: 08/01/2013 12:00:00 AM
 End Date: 09/01/2013 12:00:00 AM

If show n, Hourly Time is displayed in Seconds

TalkgroupID	Talkgroup Alias	Minutes
13720	10SO1	9,931.4
13700	10RPD	8,918.7
13168	01LAW-DISP-1	8,708.6
19875	HP BMF	8,098.7
1202	08LE1	7,857.3
214	02LE1	7,079.9
610	05LE1	7,050.4
13757	10WRPD	6,816.1
19883	HP LQ	6,338.8
405	04RSPD	5,908.1
13708	10LPD	5,663.8
14907	17SO1	5,375.6
19871	HP ING	5,344.1
13169	01LAW-DISP-2	4,943.7
14904	17GPD	4,628.9
400	04SO1	3,773.5
6378	HP JPH	3,378.2
14104	13SO	3,274.1
6382	HP DET	3,232.2
14115	13DPDENC	3,172.5
406	04GRPD	3,115.4
15302	20LE1	3,087.6
13307	03SO	2,737.3
1000	07LE1	2,635.9
6400	SALEC3	2,608.3
13909	11PPD1	2,605.5
215	02LE2	2,592.9
13906	11CPD1	2,508.6
19879	HP C	2,488.4
13311	03PD	2,453.9
211	02MED1	2,374.1
6372	HP AXO	2,286.1
13148	01FD-DSP-1	2,200.3
1031	07DET	2,189.4
14316	14LE1	2,140.0
13115	01CATCDISP	2,118.0
13246	01JDC-B	1,855.9
19900	SALEC1	1,734.7
13732	10EMS	1,683.2
13903	11SO1	1,640.4
615	05UWPD	1,622.6
203	02CFR1	1,477.2
14502	15LE 1	1,412.3
13165	01JAIL-B	1,384.5
6386	HP K	1,348.4
13166	01JAIL-C	1,118.6
263	02CAS	1,021.9
13164	01JAIL-A	962.2
245	02SCD1-E	926.1
14106	13GPD	836.4

Data Provided by Genesis **178,660**