



**ALASKA LAND MOBILE RADIO EXECUTIVE COUNCIL
(A Federal, State and Municipal Partnership)**



MEMORANDUM FOR ALMR Executive Council

July xx, 2023

FROM: DOD Co-Chair

SUBJECT: April 12 Meeting Minutes

TO: See Distribution

Executive Council Members:

Colonel Timothy “Steiner” Meerstein
Deputy Commissioner Bryan Barlow

Mr. Christopher Jensen
Chief Michael Kerle

Deputy Chief Alex Boyd

Department of Defense – ALCOM/J6
State of Alaska – Department of Public Safety
Alaska Federal Executive Association - FBI
Municipality of Anchorage – Anchorage Police Department (via teleconference)
Alaska Municipal League – Anchorage Fire Department (via teleconference)

ALMR Support Team Members and Guests:

Mr. Nikalus Fahnestock
Mr. Paul Fussey
Mr. Zach Haas
Mr. David Reed
Mr. Dave Patterson
Mr. Joe Piksa
Mr. John Rockwell
Mr. Pete Rogell
Mr. Scott Stormo

Mr. Timothy Woodall
Ms. Sherry Shafer

ALMR System Manager
ALMR Operations Manager
Motorola Solutions (via teleconference)
Information Systems Security Manager
Motorola Solutions (via teleconference)
Motorola Solutions
User Council Chair
BK Technologies (via teleconference)
Alaska Public Safety Communication Services
ALCOM/PM/COR
Operations Management Office (via teleconference)

1. Call to Order. Colonel Timothy “Steiner” Meerstein, Department of Defense (DOD) Co-Chair, called the meeting to order at 1:30 p.m. The roll was read, and a quorum of Executive Council members were present.

2. Opening Statements and Other Announcements. Colonel Meerstein asked if there were any announcements and there were none.

3. Approval of Previous Meeting Minutes. Colonel Meerstein asked the members if they had a chance to review the draft meeting minutes from the October Executive Council meeting and if there were any requested changes. There were no requested changes.

Motion: Approve the January 12, Executive Council meeting minutes, as presented.

The motion was made by Deputy Commissioner Bryan Barlow and seconded by Assistant Chief Alex Boyd. There were no objections or further discussion. **The motion was carried and approved.**

4. Old Business.

a. SOA Quantar Replacement. Colonel Meerstein asked Mr. Scott Stormo if there were any updates.

Mr. Stormo briefed they had just started doing some antenna remediation, with 30 sites that they are going back to either change out brackets or change some antennas that were damaged over the winter. He noted they had just got started on that but have been impacted by the snow and there are still sites they can't drive into yet. Mr. Stormo added they will be moving into the next phase of that project this summer and getting some Juniper routers installed on the core systems and that should hopefully be followed by Smart Connect, which should be installed in June, pending Fed Ramp approval. He stated if that occurs, it will then allow them to try the APX Next radio that can work through Wi-Fi or an LTE system and communicate with radios on ALMR and there is interest from State, local and DOD agencies in that technology, so they are hoping that Fed Ramp approval comes through soon.

Mr. Stormo advised that the TDMA implementation will start occurring on the State sites over the summer and at the DOD sites in June and July, which is what he understood from their update meeting today. He emphasized all of them would not get done at the moment because of supply chain shortages, but for the Juniper routers, they have got 50 of them for the moment for the state projects and should be able to get through 50 sites, and then they would probably be on pause after they get through the summer with those.

Mr. Woodall provided clarification that the system would be capable of TDMA, but the FCC and the NTIA licenses to operate and TDMA emission standard and power is not there yet so they will have to work on getting the licenses to match.

Mr. Rockwell stated they have a date set that they would like to have TDMA-only radios on the system, but between now and then there will be a mixture of the two and this

should allow the different departments time to budget for and secure their new radios. He noted they will continue pushing the message that the date is coming when non-TDMA radios will no longer be allowed on the system after December of 2026.

b. State Interoperability Governing Body (SIGB). Colonel Meerstein noted this item has been tabled until the draft governors report is ready for review.

c. Long-term Cost Share Solution. Colonel Meerstein asked Mr. Rockwell if he had any updates on this issue.

Mr. Rockwell noted they were waiting for the Governor's report to be a final line, so they could move into the governance phase of Next Gen. 9-1-1, and they were hoping that they can wrap the SIGB into that at that time as well as some long-term costs, but things are opening up.

d. Fiduciary Responsibilities. Colonel Meerstein requested an update from Mr. Tim Woodall.

Mr. Woodall briefed they have been receiving data from the stakeholders which identifies responsibilities and points of contacts required to form the makeup of the Intergovernmental service agreement. He noted the DOD had also met with the State asking their preference long term with regard to contracting and funding payments and the State recommended the DOD execute a standalone contract that mirrors the State's awarded contract in terms and conditions. Mr. Woodall stated the DOD would be working with its contracting offices to execute a contract that would take all the terms and conditions of the State's contract by which the DOD would then be able to follow its norms in paying invoices along with the other activities associated with DOD contracts, such as getting contractors onto the installation. He explained that typically for contractors to come onto the installation, they have to have a contract in place that the contracting officer on the installation validates. Because the State of Alaska owns the current contract, the DOD contracting office can't validate that, so getting contractors into the system that DOD uses to clear people on and off the installations is complicated.

Mr. Woodall noted it will also allow them to comply with federal regulations that require them to do electronic funds transfer for invoices related to services contracts. Which is handled through the Defense Finance and Accounting Services (DFAS) out of out of Cleveland. It will return DOD to its norms which would ease the process for the State by which the State will no longer have to get a federal receipt authority for the funds they receive which takes the legislature section out of that portion of the of the payment process. He stated the DOD is working toward getting this in place, but as everyone understands, things move slow and they may not get it in place before the new contract year starts on July 1, which is contract year six.

Mr. Stormo confirmed it was option year six of eight.

Mr. Woodall also recommended the discussions, which they have already been having internally, should probably happen at the State and the State should also begin its

process for the execution of the next contract, which is only two years out. He explained the DOD would have to go through its process of awarding its contract based on the terms and conditions of the State's awarded contract. He believed the fiduciary agreement should layout the timelines for that type of execution, and they are coordinating to make sure they have the right dates established and that everyone's following that.

Mr. Rockwell highlighted Tim's effort, stating Tim has been very diligent working with the State to try to maneuver through the process to get this all together and just wanted to point out in this meeting what a great job Tim has been doing to push us in this right direction, because anything difficult, especially when it comes to the bureaucracy of funding, we tend to drag our feet.

e. DOD FY22 Budget. Colonel Meerstein asked Mr. Paul Fussey to give an update on this item.

Mr. Fussey briefed the budget was sent to the Executive Council on January 18 and the final vote of approval was received on February 6 and this action is now completed.
(CLOSED)

5. User Council Update.

a. Appointment of new council member. Mr. Rockwell stated he would like to offer a motion to the council for the appointment of Lieutenant Ben Endres for the State of Alaska Department of Public Safety alternate representative to the User Council. He added the second motion on the agenda would be withdrawn at this time as JBER was looking into a higher-level person that they would like to have on the User Council instead.

Deputy Commissioner Barlow stated Lieutenant Endres is a longtime member of DPS and came to them with more than 20 years of experience in law enforcement from another agency in Illinois and began a career with DPS about 20 years ago. He added Lt Endres has search and rescue experience now and is attempting to fill Paul's shoes there, and he is a quiet, competent professional and I think that he'll be a great addition to the User Council and requested to forward a motion for approval.

Motion: Approve the appointment of Lt Benjamin Endres as the State of Alaska Department of Public Safety alternate User Council representative.

The motion was made by Deputy Commissioner Barlow and seconded by Colonel Meerstein. There were no objections. **The motion was carried and approved.**

b. Critical Connect. Mr. Rockwell stated one of the discussions he would like to open up a little bit further is Critical Connect, since they had already discussed the upgrade of the infrastructure and the upgrade of the routers, and discussed making sure we have TDMA-capable equipment. He added they were also looking to supplement

the radios and the Critical Connect software allows us to do that. Mr. Rockwell asked Mr. Stormo if he would talk a little bit about what it does, what the overall plan is, including what we're going to be doing in June, and maybe how it will be utilized in a test environment.

Mr. Stormo explained he had mistakenly used the term Critical Connect too, but Smart Connect is a completely different Motorola product that allows connectivity through the Internet. He stated, hopefully soon the Fed Ramp-approved government cloud that will allow certain radios to have an LTE set and be anywhere on the AT&T network or the Verizon network, which he believed to be the only two at this time. As long as that radios programmed to work on ALMR it will roam onto ALMR via Wi-Fi if the available Wi-Fi network is programmed into the radio. Mr. Stormo provided the example of Nikiski and that they are interested in seeing how this will work, because the troopers have been putting Sierra wireless routers into their vehicles that can create a Wi-Fi bubble around the vehicle. He added there are a couple roads in Nikiski where ALMR works fine in the vehicle, but when they get out and use a portable, they are losing communication. This has a potential, depending on how big that Wi-Fi bubble is, to allow them to continue to talk on their portable through that Wi-Fi bubble back to the ALMR system. Mr. Stormo also stated it is limited to the range of whatever that Wi-Fi level is, it may help at least for that situation where you're able to be close to a car. He added there are buildings or facilities that potentially could have trouble with in-building coverage but if there's a Wi-Fi network it could be programmed into a radio. Mr. Stormo stated he also believed the Army was interested in it, as well, and he knew some of the local government agencies were interested in it. He asked Mr. Piksa if there was anyone else in the country who has written views on this at this moment.

Mr. Joe Piksa stated the product has taken off and was piloted in the city of Houston, Texas, for several months with a handful of radios, who then moved over to a \$5 million purchase and deployed those before moving to a \$60 million purchase and now it is deployed across the entire city. He noted that was the biggest example. Mr. Piksa added there are handfuls all over the place and they are currently piloting it in Pierce County in Washington and a couple in California. The long line of what Scott was talking about there is as far as giving you coverage when the AT&T or the Verizon footprint is outside of your ALMR network, or you roam onto LTE. You can use it for in-building coverage, as well. He clarified that it is not everywhere, and it is only 20 SSIDs per radio, which is the ID that makes you unique to that Wi-Fi box in that location. You can use the same SSID in ten buildings that office, or wherever it goes in those buildings which have the coverage area to augment coverage indoors and it can augment coverage in areas where you don't have land mobile radio today.

Mr. David Reed noted Immigration and Customs Enforcement (ICE) and Air Force Material Command (AFMC) are both working on this on the federal side also.

Mr. Rockwell advised that as part of the project plan, they we're hoping to actually have the software installed, the connection into both inside and outside, and then shortly after that be able to do the first test. He noted they have about eight APX radios and could test six for the first test and then the next test would be putting the software into some of

the vehicle routers and the timing is perfect, because AST is doing a lot of upgrades on the vehicles right now with the router and out in the rural locations with some of the newer technologies like Starlink, and our plan is to have the same ideas as Joe mentioned, for the Starlink network and the same for all the car routers.

Deputy Commissioner Barlow stated if the software installation was in the June time frame, if you had a guesstimate, we are talking August 10 to try our first test. July optimistically, for the Nikiski issue and with DPS dealing with that for years, you'll probably get Christmas cards if that works even halfway well.

Assistant Chief Boyd noted that, unfortunately, we've been hearing that we're going to have that approval for a very long time.

Mr. Stormo briefed not having the approval is not stopping any installation and the intent is that it is going to get installed, and they are going to ensure the connectivity works. It might get turned right back off, but it doesn't matter because they wouldn't be able to use it yet, but they didn't want to delay the installation pending the Fed Ramp approval which has already passed the hard part and is supposed to happen.

Mr. Reed briefed that back in January, ICE signed off on their package for it, which moved it up to the federal level where the Federal Approving Authority (AO) and his office have to take a look at it and give an approval or not and we're waiting on that process.

6. Operations Management Office.

a. Training and Outreach. Mr. Fussey briefed he has been working with Mr. Dan Nelson since the last meeting, and there are two new video vignettes that were put out in February. He stated one is the "Overview for New Users" and the other is "Using the Interoperability Zones." Mr. Fussey noted that the OMO also did a quarterly live training on "Interoperability Essentials" in a town hall which was recorded and that is also on the website under the training tab.

b. Acceptance Test Procedure. Mr. Fussey announced the OMO and SMO completed the ATP for the JVC Kenwood BM5000 mobile, and it did pass and was approved. He stated it was added to the ALMR radio list on January 19 and is listed on the website under approved equipment. Mr. Fussey noted there have already been some requests to have those radios put on the ALMR system, so agencies have already purchased those radios and put them on the system.

c. International Wireless Communications Expo (IWCE). Mr. Fussey briefed several individuals, himself included, went down to the International Wireless Communications Expo and it was very informative. He added he and the APSCS folks attended seminars on P25 security and interoperability and the nice thing about that is you're talking to individuals from all over the US that are doing land mobile radio, looking at new equipment, new security issues, and seeing any problems that they've had, so you're not reinventing the wheel. Mr. Fussey stated they also spent two days walking around

talking to vendors on different radios, antennas, equipment shelters, helicopter transportable ones, different connectivity through their new router equipment, and generators. It was a very productive four days down there, very fast paced, but a lot of good information.

Mr. Stormo noted the only thing he would add, whether it's IWCE, APCO, or IACP, especially if you're an infrastructure owner or if you're responsible for public safety communications sites, systems, or equipment is that these conferences are a very good opportunity to go see a whole bunch of stuff. Rather than trying to figure stuff out yourself there are lots of sessions and people are telling their good news stories about how things have gone for them. He added the opportunities to talk to vendors on the floor and being able to find solutions to problems just by going on the floor is very beneficial. Unfortunately in Alaska, there's not a very big vendor pool up here, so there's not a lot of people to talk to if you don't get out of state to conferences like this, you won't really get the opportunity to be exposed to that type of information. Mr. Stormo encouraged anyone who's involved in this business to try to get to one or two of those conferences.

Colonel Meerstein asked if there was a venue to share the conferences that are coming up or does it happen at the User Council or is it posted to the ALMR website or is there other means by which we shared them.

Mr. Fussey stated he would work with Ms. Shafer and put out the list that's coming up, because APCO is going to be coming up in August in Tennessee. He stated he would get the list and set that up.

Colonel Meerstein noted the small municipality folks that aren't represented at the User Council and the Executive Council could have an opportunity to attend, if they desire, and just looking at information sharing and then obviously from a DOD perspective, we would certainly welcome that and then share that across our joint services.

Mr. Woodall noted early in the beginning of ALMR, there were project teams with the State and the DOD who attended the IWCE and APCO meetings. He added APCO was very helpful in getting our governance established, helping us work through the issues on spectrum sharing and they supported this both legally and in presence when we went to Washington, DC, to talk to the NTIA and the FCC directly, so they are a very good organization. Mr. Woodall reiterated that, as Scott said, the IWCE has very good and pointed meetings where you get to talk to experts and you can talk about your problems, and you can get solutions; you can tell somebody about something, and they'll go away and they'll give you a call back. He stated it was very helpful from the program project perspective when building a system of this size, because a lot of those folks had built statewide systems before, and even though we were doing a first because we were doing a shared infrastructure, but the fact that they had this expertise was very good. Mr. Woodall noted they attended all of those every year through all of the project, which lasted some six years.

Mr. Fussey concurred it was a lot of good information, and you are talking to the engineers that are not just the salesperson, but people who've built it, looking at the actual shelter buildings, looking at the actual towers, actual generators, talking to and seeing what they are, getting us specs right there, so it's very informative and very helpful.

d. Removing Old Subscribers from the System. Mr. Fussey noted ALMR is getting more and more requests to add radios to the system as the agencies, boroughs, cities and municipalities are buying TDMA-capable radios and the other part is that as we are adding new radios, we've been instructing them that if they are not using their old radios to please let us know which ones you want removed by putting in a subscriber request. He noted when we start looking at an audit, we don't want tens of thousands of radios that are no longer being used and that are not TDMA capable but are still in the system. Mr. Fussey stated when he talks to agencies during part of my outreach about TDMA, but also once they get new radios in and get them onto the system, to put in the subscriber request to have those older radios removed from the system just to clean up the clutter. He emphasized, if you're not using those radios, get rid of those radios.

Mr. Woodall recommended that the Executive Council maybe task the User Council to track that in terms of who has XTS5000 and who has the APX radios and who has TDMA-capable. He added maybe members can report that, and we can track where we are along the way, because there are still a large number of XTS5000 radios on the system that people are using as primary radios. Mr. Woodall stated if we're talking about the year 2026 and all of them having to be swapped out, you're two and a half years away from multimillion-dollar expenditures to replace those radios, so I think that it needs to be highlighted and tracked if agencies aren't moving that way. He advised pushing in that direction would be warranted, otherwise that's a very large rope to jump over getting everyone there if we're not tracking it and tracking it purposefully, I don't think we'll get there.

Mr. Stormo pointed out if people wait until that last year, with the lead time that it takes to get your radio right now, there's no chance we could change out thousands of radios if you ordered them at the one-year point, because they probably won't show up until the nine- or ten-month point somewhere.

Mr. Rockwell briefed everyone was singing to the choir, as far as the need to track the radios, and that we have highlighted this topic every single User Council meeting. He added in speaking with some of the representatives, they don't feel that they have the ability to reach out to their user community, whether it's north or south. If we put a request for these individuals to track the radios, I don't believe it's going to happen unless we assist with some type of project. Mr. Rockwell confirmed we need to do this; we need to do something but asking the User Council to track the radios I don't believe is going to get us there.

Mr. Woodall stated he thought the agencies were required to report their inventories, so when they report their inventories, simply have them delineate between the number of XTS5000, the number of APX6000, or whatever models that they have and whether they

are or are not TDMA capable. He emphasized if they are validating the accounts as part of the membership agreement, have them add that one step. Mr. Woodall went on to note, and asked Nik to correct him if he was wrong here, but we should be able to see within the system the type radios that are operating on it in terms of XTS or APX based on the serial number.

Mr. Nik Fahnestock stated that was right.

Mr. Woodall surmised with data from both sides and with a working group on the User Council, we could devise a process, although it may not be 100 percent accurate, to allow us to track progress and then to push where we don't see progress being made, otherwise, we end up in 2026 having to extend moving to TDMA because we'll have too many users that are still FDMA having not gotten the money or having not received the radios and you'll constantly be moving the deadline because we're not placing emphasis on it. He added it's very difficult to enforce if you don't know where you're at and concluded that was his input, and he's not a voting member, but he was just putting that out as a process he thought we should highlight.

Colonel Meerstein asked to be reminded if the TDMA transition goal was a hard facet if those devices that are not TDMA-compatible get knocked off the network or they continue to operate on the network. He also returned to Mr. Woodall's point, if there's a directive for the boroughs, municipalities, and users to track what types of devices they have, then what's the end state? Other than just simply being informative, what is the follow on from that or is it to just inform a user they are using this FDMA device versus a TDMA device and they are disrupting the effectiveness of the network.

Mr. Woodall briefed if you have an FDMA radio and you're in a talk group and you key that radio, you eliminate the gains you get from a TDMA operation. He added he thought the date was hard and if you're not TDMA by this date, you are off the system.

Mr. Rockwell intervened and noted that this had been a very pointed discussion in the User Council, but he was very adamant about not kicking anybody off the system. The wording that is out there now that addresses TDMA and that date gives that leeway, so we may at the User Council have to address that as not being a hard date.

Mr. Woodall stated that then begs if you don't have a hard date then how do you get everybody there other than keeping the Executive Council rolled up in this, which is a very expensive endeavor. He stated subscriber units are more expensive than the lifecycle upgrades that we have, so we are talking \$25 million for some agencies that have a thousand radios, so the cost is significant and the ability to get that money, they should be doing in in stages. Mr. Woodall added if they are not already there, we are probably looking at 2030 or later, so he thought to set a date and enforce a date. To encourage people we have to track that, and we have to be as accurate as we can and understand we may not be able to be 100 percent. He noted it's hard to get a get to a goal if you don't know what's in front of you, so that was his recommendation.

Mr. Stormo advised he thought there was some messaging that can be done, whether it's coming from ALMR or someone else, because we can pull some reports out of Genesis to help with this. He added that it's worth telling stories of people that have a broken radio and it's not fixable, and they are not going to have a radio for ten months until your replacement shows up. Mr. Stormo noted maybe the only reason we haven't had those stories is because APSCS had some radios that they bought for stock to be able to give out in that situation that's happened, but they are almost out of those radios now.

Mr. Woodall added the XTS radio is at end of life and is no longer supported by Motorola, so you cannot get it repaired.

Mr. Rockwell noted that ALMR has not allowed any new FDMA radios to be put on the system since January 1st, 2021.

Colonel Meerstein agreed messaging should be a first step, if nothing else, then to pass a motion as part of the inventory process for entities to stipulate the type of radio that they have, so then for tracking purposes, we can brief in the User Council and in the Executive Council and get an idea of where we're at for the transition. He asked the group if that was what they were looking for.

Mr. Woodall stated that was a good start.

Colonel Meerstein asked if there was any dissension or anything to add

Mr. Woodall clarified the inventory process doesn't exist as it did in the past as the requirement had just been removed and would be in the user agreement.

Mr. Stormo stated they might be able to make a spreadsheet with that information already or come fairly close with information we can get out of the system, so we can validate it.

Mr. Fussey addressed Mr. Fahnestock and stated when he pulls the list of the radios on the system, obviously the 320-serial number s going to be an XTS5000 as they all start with 320 for that serial number. How easy would it be to pull a list of how many XTS5000s around the system.

Mr. Fahnestock replied he had some **exercises(?)** that do that already between XTS, XTL, APX, and a few other oddities like EF Johnson and Bendix King, but there's still a good chunk of unknowns.

Mr. Rockwell asked if there was any way for us to know whether the APX6000 radios are TDMA or FDMA and also whether they were going to upgrade in the TDMA; is there any way that we know that that has been done or is there some gray areas there.

Mr. Fahnestock responded in some ways, yes, but they might not be very easy ways. There are certain things within the system and Genesis that can kind of provide some of that information, but it may limit it down to having to check every single radio.

Colonel Meerstein stated that was maybe a starting point to provide a framework by which the users can validate or go back and see whether their APX6000s are FDMA or TDMA upgraded because of the firmware upgrade, so that all being said and for the sake of time. I think an agreement for tracking that this is a good idea. Colonel Meerstein then made a motion to track radio types on the system.

Motion: Create an inventory that delineates the different varieties of radios and disseminate that across the users for validation in time for the next Executive Council meeting

The motion was offered by Colonel Meerstein and seconded by Deputy Commissioner Barlow. There were no objections or further discussion. **The motion was carried and approved.**

e. March System Metrics. Mr. Fussey briefed for the month of March, with 1.6 million calls and push to talks were 2.6 million, which was down just a little bit from last year at this time, but still very robust and busy system going on. He noted looking at monthly business, there is a very large spike in March, so the busies went up to 1,567 compared to last year at 969; however, if you look, we are at .0009 percent. Mr. Fussey stated the top four sites were Pole Hill, Donnelly Dome, Birch Hill, and Nenana and when we started looking at it and we discussed this in user Council as to why was there such a large spike of busies, there was a military exercise that accounted for majority of those busy due to an additional 8000 soldiers and more than 500 military vehicles that took part. He reiterated stating there were 1,576 busies, but way, way below even one percent. Mr. Fussey added for the sites below three nines, there were nine sites and the reasons why were regular maintenance being done and there were some commercial circuit issues which are beyond our control.

7. New Business.

Mr. Woodall noted he had read an article that the MatSu Valley and some other communities were leaving the Alaska Municipal League or have already left. He suggested it might be a good idea to validate that with the communities and if true, ALMR might need to update the Cooperative and Mutual Aid Agreement. Mr. Woodall recommended the Operations Management Office (OMO) look at the changes that need to be made.

Deputy Commissioner Barlow asked if a motion needed to be made and Ms. Sherry Shafer replied that the OMO would take it as an action.

8. Next Meeting. Colonel Meerstein advised the next meeting is scheduled for July 20. at 1:30p.m. in the Alaska Public Safety Communication Services conference room.

9. Adjourn Meeting. Colonel Meerstein asked if there was any other business and hearing no response, he requested a motion to adjourn the meeting.

Motion: Adjourn the April Executive Council meeting.

The motion was made by Deputy Commissioner Barlow and seconded by Colonel Meerstein. There were no objections. **The motion was carried and approved.**

The meeting adjourned at 2:22 p.m.

Timothy Meerstein, Colonel, USAF
ALCOM J6
ALMR Executive Council

Distribution:

SOA/DPS, Deputy Commissioner Bryan Barlow
USNORTHCOM/ALCOM J6, Colonel Timothy “Steiner” Meerstein
AFEA, Mr. Christopher Jensen
MOA, Chief Michael Kerle
AML, Assistant Chief Alex Boyd
SOA DPS, Mr. Scott Stormo
OMO, Mr. Paul Fussey
ALCOM/J64, Mr. Timothy Woodall
MOA, Mr. Trygve Erickson
SOA DPS, Mr. John Rockwell