



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



MEMORANDUM FOR ALMR Executive Council

July 9, 2015

FROM: SOA Co-Chair

SUBJECT: July 16, 2015, Meeting Agenda

TO: See Distribution

1. Call to Order. (5 min) Deputy Commissioner Terry Vrabec, State of Alaska (SOA) Co-Chair will call the meeting to order at 1:30 p.m. The roll will be taken.

2. Opening Statements and Other Announcements. (5 min)

3. Approval of Previous Meeting Minutes. (5 min, Deputy Commissioner Vrabec) Review of the draft minutes from the April Executive Council meeting. (Atch 1)

The following motion is offered to the council for consideration.

Motion: Approve April 16, 2015, Executive Council meeting minutes, as presented.

4. Old Business. (10 min)

a. Service Level Agreement (SLA). At the April meeting, Mr. Del Smith advised the council members the SLA had been sent to Alaskan Command (ALCOM) on February 20 to route to the Department of Defense service components for signature.

b. Excess Quantars® from Joint Base Elmendorf-Richardson. At the April meeting, Mr. Tim Woodall advised the Department of Defense (DOD) may hold on to them as spares for the time being and perhaps an agreement could be worked out with the State to loan them out, if needed. Mr. Woodall noted he would have to check into the legality of this proposal first.

c. Transportable Area South (TAS) deployment and VIP day. At the April meeting, Mr. Woodall offered that the TAS would be deployed to the Fort Richardson side of Joint Base Elmendorf-Richardson for an exercise May 26 – 29 and VIP tours would be available if any of the council members were interested.

d. MotoBridge® Gateway future funding. At the April meeting, Mr. Woodall noted he would be asking the User Council to look at the year-to-year funding for the MotoBridge®. He stated he was unsure it was being used or even tested on a regular basis for emergency use and if it was not a requirement, the DOD may reduce the number of locations where the consoles are available.

Deputy Commissioner Vrabec stated the Executive Council would follow up on it at their next meeting.

5. User Council Update. (5 min, Deputy Chief Brad Johnson)

a. Election of new User Council Vice Chair. Major Matt Leveque retired July 1. In anticipation of this event, the Vice Chair, Deputy Chief Brad Johnson, took over duties of the Chair effective as of the June 3 User Council meeting. A special election was held to fill the Vice Chair position until the regularly scheduled elections at the end of the calendar year.

b. The primary and alternate JBER positions have been filled. The following motion was offered via email, on June 16, to the Executive Council voting members for their consideration and approval.

Motion: Approve the nomination for the appointment of MSgt Lee Pentimone and TSgt Dennis Paniza, as the respective primary and alternate Department of Defense – Joint Base Elmendorf-Richardson representatives to the ALMR User Council.

The motion was approved by all three voting members on June 16 via electronic vote.

Vacancies exist for SOA Department of Public Safety (DPS) primary and alternate, Southeast-Municipalities alternate and the US Army-Alaska (USARAK) alternate representatives.

NOTE: This item will remain **OPEN** on the agenda until resolution.

6. Operations Management Office. (20 min, Mr. Del Smith)

- a. Infrastructure Operations and Maintenance Services (IOMS) contract
- b. Birch Hill Master Site battery failure
- c. Annual inventory confirmation
- d. Annual Membership Agreement renewals
- e. FY17 OMO/SMO Budget
- f. June System metrics (Atch 2)

7. New Business. (15 min)

- a. Meet and greet - FirstNet Regional Coordinator, Mr. Steve Noel

8. **Next Meeting.** (5 min, Deputy Commissioner Vrabec) The next meeting is scheduled for August 20, 2015, 1:30 p.m. at the Enterprise Technology Services Conference Room, 5900 E Tudor Road.

9. **Adjourn Meeting.** (5 min, Deputy Commissioner Vrabec)



Terry Vrabec, Deputy Commissioner
State of Alaska, Department of Public Safety
ALMR Executive Council

2 Attachments:

1. Draft April Meeting Minutes
2. June System Metrics

Distribution:

SOA DPS, Deputy Commissioner Terry Vrabec
ALCOM/J6, Colonel Harold Hoang
AML, Ms. Linda Murphy
MOA, Lt Ken Spadafora
SOA ETS, Mr. Jim Bates
SOA DPS, Major Matt Leveque
OMO, Mr. Del Smith
SOA ETS, Mr. Scott Stormo
ALCOM/J64, Mr. Timothy Woodall
ALCOM/J60, LTC Glenn Mellor
MOA, Mr. Trygve Erickson



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



MEMORANDUM FOR ALMR Executive Council

May xx, 2015

FROM: SOA Executive Co-Chair

SUBJECT: April 16, 2015, ALMR Executive Council Meeting Minutes

TO: See Distribution

Executive Council Members Present:

| | |
|----------------------------------|--|
| Deputy Commissioner Terry Vrabec | State of Alaska (SOA) – Department of Public Safety (DPS) (via teleconference) |
| Colonel Harold Hoang | Department of Defense (DOD) – Alaskan Command (ALCOM)/J6 |
| Lt Ken Spadafora | Municipality of Anchorage – Anchorage Police Department |
| Ms. Linda Murphy | Alaska Municipal League (AML) |

ALMR Support Team Members and Guests Present:

| | |
|-------------------|---|
| Mr. Del Smith | Operations Manager, ALMR (via teleconference) |
| Mr. Tim Woodall | DOD ALMR Program Manager |
| Mr. Scott Stormo | Enterprise Technology Services (ETS) |
| Mr. Bruce Richter | OEC Region X District Office |
| Ms. Sherry Shafer | Operations Management Office (via teleconference) |

1. Call to Order. Deputy Commissioner Terry Vrabec, State of Alaska (SOA) Co-Chair, called the meeting to order at 1:30 p.m.

2. Opening Statements and Other Announcements. Deputy Commissioner Vrabec asked the group if there were any announcements.

Mr. Del Smith advised the council members that the Birch Hill Master Site at Fort Wainwright had taken a power hit. He stated, on top of the loss of commercial power, there was no immediate backup power because the batteries had failed. Del briefed it

took a total of three minutes before the generator came online and all of Zone 2 was affected.

3. Approval of Previous Meeting Minutes. Deputy Commissioner Vrabec asked the Executive Council (EC) members if they had reviewed the March meeting minutes and had any comments.

Hearing no comments, Deputy Commissioner Vrabec requested a motion for their approval.

Motion: Approve the March 19 Executive Council meeting minutes, as presented.

The motion was made by Colonel Harold Hoang and seconded by Deputy Commissioner Vrabec. There were no objections. **The motion was carried and approved.**

4. Old Business.

Codicil to the ALMR Cooperative Agreement. Deputy Commissioner Vrabec reviewed the status from the March meeting and requested an update.

Mr. Smith advised the council he was in possession of the fully signed document, which would be kept by the Operations Management Office. Del stated copies would be provided to the cooperative partners after the meeting.

5. User Council Update.

Vacancies. Mr. Smith was requested by Deputy Commissioner Vrabec to brief the Executive Council on behalf of Major Leveque who was unavailable.

Mr. Smith advised the council the Ms. Bev Fronterhouse, the current Federal Non-DOD Bureau of Land Management (BLM) would be moving on to focus on other areas and a letter of nomination was received from the Department of Interior – BLM for her replacement and to appoint an alternate to the position vacated by Mr. Mike Lewis, US Fish and Wildlife Service (USF&WS), when he moved to a new position.

Mr. Smith offered the following proposed motion, on behalf of Major Leveque, for consideration:

Motion: Approve the nomination for the appointment of Mr. Kent Gale, Bureau of Land Management-Alaska Fire Service, and Mr. John Wolfe, US Fish and Wildlife Service, as the respective primary and alternate Federal Non-DOD Department of Interior representatives to the ALMR User Council.

Deputy Commissioner Vrabec asked the council members if there was any discussion regarding the nomination and there was none.

The motion was then made by Deputy Commissioner Vrabec, as presented, and seconded by Colonel Harold Hoang. There were no objections. **The motion was carried and approved.**

Mr. Smith advised the council that vacancies still exist for Joint Base Elmendorf-Richardson (JBER) primary and alternate, SOA Department of Public Safety (DPS) alternate, Southeast-Municipalities alternate and the US Army-Alaska (USARAK) alternate representatives. He stated the proposed alternate for JBER had been in contact with him but a primary was yet to be identified.

Colonel Hoang briefed he would follow up with the Mission Support Group and Civil Engineering Squadron commanders, proposing one of the active first responder groups should be appointed to the primary position with the Communications Squadron as the alternate.

6. Operations Management Office.

a. Service Level Agreement (SLA). Mr. Smith advised the council the agreement was still with ALCOM to route to the service components for signature.

b. Infrastructure, Operations and Maintenance Services (IOMS) Contract. Mr. Smith briefed that proposed almost \$1M in reductions in the State's FY16 budget for ALMR must be paralleled by reductions somewhere within the current IOMS contract. He advised a State contract representative had met with the Bering Straits Information Technology (BSIT) contractors and the Department of Defense (DOD) contract office representative (COR) to discuss how to accommodate the next year's contract through reductions to services.

Mr. Smith stated he believed they had reached a tentative agreement whereas contract line item numbers (CLINs) 2 through 8 would remain the same and CLIN 1 tech support and board repair areas would see service reductions. He advised the reductions in tech support would result in long wait times for external assistance from Motorola™ for issues the System Management Office (SMO) could not immediately identify/resolve. Mr. Smith noted the reductions in board repair would result in parts being pulled from the spare inventory first and the bad part would need to be sent in by the State for repair or replacement, which meant money would still need to be set aside to cover any occurrences. He also briefed if the Quantars® from DOD became available it would mean additional spares in the inventory.

Mr. Smith pointed out that part of the \$1M reduction would have been allocated to cover the local agencies' portion of the proposed cost share, but they have long stated they would not pay to be on ALMR, so it's a moot point to try to charge them.

Deputy Commissioner Vrabec stated that he thought Mr. Smith was correct, and if ALMR could get by with no further reductions, it would probably manage okay.

c. March System Metrics. Mr. Smith advised the metrics were tracking as anticipated and busies were lower than previous years, which would be expected with the recent channel additions.

7. New Business.

a. System Upgrade Assistance (SUA) II funding. Lt Ken Spadafora stated he had heard the State was unable to secure its funding for the SUA for the next fiscal year.

Mr. Tim Woodall advised the group there would be no SUA II for the last year of the IOMS contract, but the System Upgrade Assistance (SUS) would be the only funding required. He stated the SUA II funding would be looked at in the following contract year. He briefed the SUS is critical because it covers the security patching and must be done to maintain the Department of Defense Information Assurance Certification and Accreditation Process (DIACAP) compliance, whereas the SUA II provides the technology upgrades.

b. Quantars®. Mr. Woodall stated, with regard to the Quantars®, the DOD would typically turn them in to the Defense Reutilization Marketing Office (DRMO) but this would risk another Federal agency taking them. He advised the DOD may hold on to them as spares for the time being and perhaps an agreement could be worked out with the State to loan them out, if needed, and then the State would be responsible for providing a replacement. Mr. Woodall noted he would have to check into the legality of this proposal first.

Lt Spadafora asked if there was any reason why the DOD couldn't co-own equipment in State sites, such as adding an extra channel in the Blueberry site in conjunction with the State's channels.

Colonel Hoang advised there would need to be a justification from a legal standpoint showing the DOD benefit of doing such an expansion. He stated if the numbers could be leveraged, then they would make a good case for such a venture.

Mr. Smith noted that the Site Summit site was a dual ownership site, which the DOD relies on heavily.

Mr. Woodall also briefed the council members Eielson Air Force base was working on funding to replace the Quantars® at their four sites in 2016 and the US Army-Alaska was also looking at replacing theirs.

c. Transportable Area South (TAS) deployment. Mr. Woodall offered that the TAS would be deployed to the Fort Richardson side of Joint Base Elmendorf-Richardson for an exercise May 26 – 29. He stated VIP tours would be available if any of the council members were interested.

Colonel Hoang added they would also have their Emergency Response Vehicle (ERV) out there and would be demonstrating the interoperability between the two assets.

Mr. Woodall stated this deployment was a demonstration of their Defense Support to Civil Authorities mission capabilities.

Mr. Smith advised the group he had received a call last Friday from the Department of Transportation and Public Facilities (DOT) regarding the Sag river flooding and possible deployment of a transportable unit. Eventually, DOT was able to get a suitcase repeater from the Division of Forestry and that was working well. He stated he also received a call from Conoco Phillips asking about the transportable stating that DOT would need satellite connectivity during road repair work because of the limited availability of communications at the flooding site.

Mr. Smith stated he thought it would be overkill to use one of the transportables or even a Joint Incident Site Communications Capabilities (JISCC) package for this event, but it was good to know that people are aware of them.

Colonel Hoang noted there would also be two other suitcase systems that would be demonstrated with the ERV and TAS.

Mr. Woodall asked that all calls for use of the transportable be directed to him and if funding was available, and if an emergency situation could be utilized as a training mission, they might be able to support a deployment. He said unfortunately, Conoco Phillips didn't fall under the Stafford Act so they would not have been able to provide assistance.

Mr. Woodall pointed out for the group's edification that DOD was still looking at sending the Transportable Area North (TAN) to DRMO at some point in the future.

d. MotoBridge® gateways. Mr. Woodall noted he would be asking the User Council to look at the year-to-year funding for the MotoBridge®. He stated he was unsure it was being used or even tested on a regular basis for emergency use and if it was not a requirement, the DOD may reduce the number of locations where the consoles are available.

Mr. Woodall pointed out at many of the dispatch locations, they don't know where the consoles are located or what they are for. He briefed a lot of planning and effort went into ensuring adequate resources were available for System redundancy and patching in emergency situations. Mr. Woodall stated they are not being exercised, so DOD would have to look at continuing to fund the gateway system if it was not being used.

Deputy Commissioner Vrabec requested it be addressed at the May User Council meeting and the Executive Council would follow up on it at their next meeting.

8. Next Meeting. Deputy Commissioner Vrabec briefed the next meeting is scheduled for May 21, at 1:30 p.m. at 5900 E Tudor Road in the Enterprise Technology Services Conference Room.

9. Adjourn Meeting. Deputy Commissioner Vrabec asked if there were any other items for council discussion.

Hearing no comments, Deputy Commissioner Vrabec made the following motion for approval.

Motion: Adjourn the April monthly Executive Council meeting.

The motion was seconded by Colonel Hoang. There were no objections. **The motion was carried and approved.**

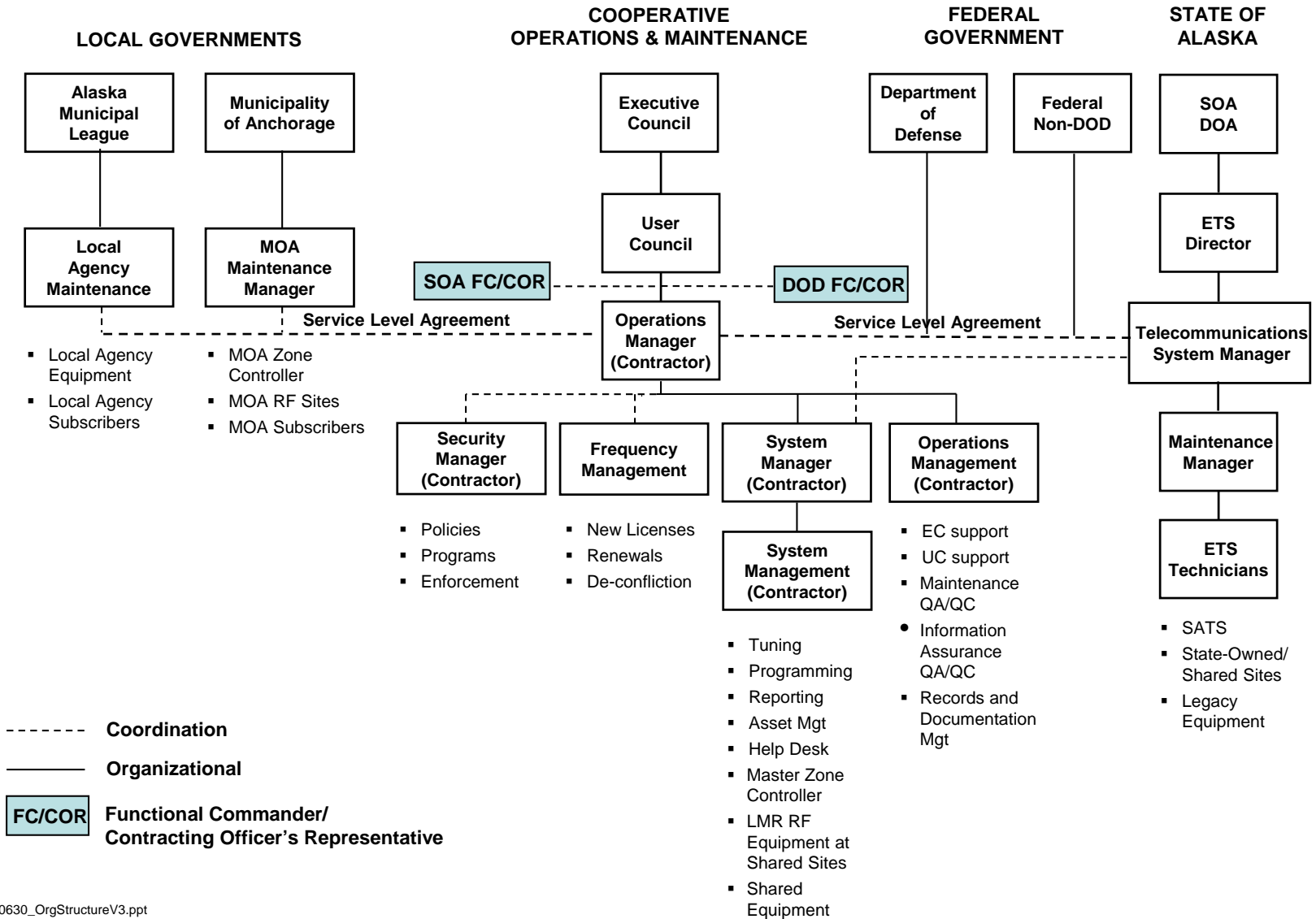
The meeting adjourned at 2:12 p.m.

Terry Vrabec, Deputy Commissioner DPS
State of Alaska Co-Chair
ALMR Executive Council

Distribution:

SOA DPS, Deputy Commissioner Terry Vrabec
ALCOM/J6, Colonel Harold Hoang
FBI, A/ASAC Steve Forrest
MOA, Lt Ken Spadafora
AML, Ms. Linda Murphy
SOA ETS, Mr. Jim Bates
ALCOM/J60, LTC Glenn Mellor
SOA DPS, Major Matt Leveque
SOA ETS, Mr. Scott Stormo
ALCOM/J64, Mr. Timothy Woodall
OMO, Mr. Del Smith
MOA, Mr. Trygve Erickson

Alaska Land Mobile Radio (ALMR) Communications System Operations and Maintenance Organizational Structure



For SOA FY2017
OMO/SMO Operating Budget

June 2015

**Alaska Land Mobile Radio (ALMR)
Communications System**

**Operations Management Office &
System Management Office**

Mr. Del Smith, Operations Manager

Operations Management Office

delsmith@5starteam.net

<http://www.alaskalandmobileradio.org>



OPERATIONS MANAGEMENT: \$450,000.00¹

Operations Management Office

The Operations Management Office (OMO) consists of three assigned contractor personnel: Operations Manager, Technical Advisor, and Documentation Specialist.

The OMO operates under the direction of the Operations Manager (OM). The OM has oversight for governance structure, planning, System Management Office (SMO) compliance, and overall operation of the Alaska Land Mobile Radio (ALMR) System. In coordination with the User Council the OMO establishes policies, procedures, processes, organizational structure, and agreements and monitors contracts which provide service levels, as defined in the ALMR Service Level Agreement (SLA).

The OMO provides oversight of the duties and responsibilities of the SMO to ensure the availability of the System 24 hours a day/7 days a week, and acts as the single point of contact between the User Council and the SMO. The OMO monitors, audits, and reports on SMO compliance with System service level agreements ensuring appropriate quality assurance and quality control for member agencies.

The OMO maintains System programming and operations documentation, processes and procedures, and user manuals in a reference library. Included in this cost are periodic reviews and updates, and any newly defined requirements required to support the customers.

Periodic Maintenance Inspection (PMI) Quality Assurance/Quality Control (QA/QC)

Services required by the Operations Management Office include performing Quality Assurance Evaluations for periodic maintenance inspections performed by contract for 100% of sites to ensure they are being maintained in accordance with the Service Level Agreement; report discrepancies to the User Council and the Executive Council. Inspections are conducted on all ALMR Infrastructure to determine compliance by owner/stakeholder/member agency/maintenance contractor with the Service Level Agreement for infrastructure that supports the shared use of the ALMR system. 25% of the total infrastructure sites will be inspected annually and 100% will be inspected within a four year period.

NOTE¹: The current OMO contract will end on June 30, 2016. This budget is a projection base on status quo.



SYSTEM MANAGEMENT:

\$1,844,801.05^{2&4}

System Management Office

The System Management Office (SMO) consists of six full-time assigned contractor personnel: System Manager, two System Technologists, Security Manager, Asset Manager and Help Desk/Documentation Specialist. Contracted System support for after hours and emergency system issues is provided by the Motorola System Support Center (SSC) located in Schaumburg, Illinois. Also available are two Original Equipment Manufacturer (OEM) trained System Technologist who provide technical expertise and in state resources to meet ALMR maintenance requirements on a situational basis. Their services are billed to the contract on a percentage basis.

The SMO is responsible for the annual Preventive Maintenance Inspection (PMI) on each of the operational ALMR sites to verify the operational test and alignment on the customer's infrastructure equipment, to identify discrepancies at the sites, and to inventory assets for accountability.

Optional Asset Management Services³

The following services are currently provided through separate contracts funded through Alaskan Command (ALCOM) and US Army-Alaska (USARAK). These services are available from the SMO to any user agency through individual contract.

- Track infrastructure equipment
- Manage suspect equipment*
- Track and manage Field Replacement Units (FRU)
- Maintain spare infrastructure equipment inventory
- Conduct annual inventory

*Suspect equipment is equipment that has been removed from a site and sent in for repair.

NOTE²: The Bering Straits' contract can increase by five percent annually.

NOTE³: These expenses are currently addressed in the Infrastructure Operations & Maintenance Services (IOMS) Contract currently held by Bering Straits Information Technology LLC and various subcontractors.

NOTE⁴: The current SMO contract will end on June 30, 2016. This budget is a projection based on status quo pricing for FY15.



EQUIPMENT MAINTENANCE: \$3,446,239.89⁵
Infrastructure Maintenance

OEM trained technologists are provided by in-state resources to meet ALMR maintenance requirements. Out-of-state resources are available, as needed, for additional support if required to maintain the ALMR System. Infrastructure maintenance services include:

- Preventive Maintenance Inspection (PMI)
- OEM Authorized Technologist Services

DRAFT

NOTE⁵: This estimate does not include any costs associated with the addition of a new site at Sitka.



**Defense Information Assurance Certification and Accreditation
(DIACAP) \$45,000.00⁶**

The ALMR System must be re-certified every three years in order for the Department of Defense to operate in its support to the Alaskan Command Joint Task Force-Alaska mission set.

The security posture of the system, the system accreditation status or the compliance status of the applicable IA Controls, in accordance with DOD Directive 8510.01, Information Assurance Certification and Accreditation Process (DIACAP) and DOD Instruction 8500.2, Information Assurance (IA) Implementation must be reviewed by the Designated Approving Authority and approved in writing prior to implementation.

The current Authority to Operate expires on December 20, 2016. The recertification work will be accomplished in the months leading up to that.

NOTE⁶: This cost is specific to the Department of Defense and must be included into the proposed budget. It is not reflected in any of the other cooperative partner's funding.



SYSTEM UPGRADE ASSISTANCE (SUA) II: \$1,967,100.00⁷

Motorola presented several options for ongoing Lifecycle management services. The one recommended to provide the greatest benefit to ALMR was the System Upgrade Assistance (SUA) Agreement, which would require an annual payment beginning one year after the upgrade. This provides for an upgrade once in a two-year period that ALMR could elect to perform at their convenience. This plan would also permit ALMR to budget for Firm Fixed Priced upgrades that would ensure the System is kept at a current release and would continue to be fully supportable.

NOTE⁷: This figure is an estimate based on costs provided for annual Budget projections. It does not include the cost of those major equipment components reaching end-of-life. This quotation is a budgetary submittal. This cost does not include System Update Services (SUS). Please bear in mind that this quote is not binding on Motorola™ and is not intended to serve in itself as the basis for a contract or order. This cost was based on continued SUA support with no break in contract support after the 7.13 System software update.



ALMR FY17 SYSTEM OPERATIONS & MAINTENANCE COSTS

The budget is based on the State of Alaska Fiscal Year (July 1 to June 30) timeframe and reflects **projected** annual costs based on **best estimates** available at the time of preparation.

SOA FY17 & DOD FY16/17 (July 1, 2016 - June 30, 2017)

| SHARED SYSTEM MANAGEMENT, OPERATIONS MANAGEMENT, INFRASTRUCTURE COSTS AND SYSTEM UPGRAD ASSISTANCE | | | |
|--|--|---------------------------------------|-------------------------------------|
| TOTAL | DEPARTMENT OF DEFENSE | STATE | MOA |
| \$2,905,531.97 ^{8,9&10} | \$376,735.00 ^{9&10} | \$2,494,878.97 ^{9&10} | \$33,918.00 ^{8&10} |
| CENTRIC SYSTEM MANAGEMENT AND INFRASTRUCTURE COSTS | | | |
| TOTAL | DEPARTMENT OF DEFENSE | STATE | MOA |
| \$3,031,197.97 ^{8,9&11} | \$858,091.85 ^{9&11} | \$2,173,106.12 ⁹ | \$0.00 ⁸ |
| ALMR TOTAL ANNUAL SHARED AND CENTRIC COSTS BY STAKEHOLDER | | | |
| TOTAL | DEPARTMENT OF DEFENSE | STATE | MOA |
| \$5,936,729.94 ^{8thru11} | \$1,234,826.85 ^{9thru11} | \$4,667,985.09 ^{9&10} | \$33,918.00 ^{8&10} |
| SYSTEM UPGRADE ASSISTANCE II | | | |
| TOTAL | DEPARTMENT OF DEFENSE | STATE | MOA |
| \$1,967,100.00 ¹² | \$589,500.00 ¹² | \$924,300.00 ¹² | \$453,300.00 ¹² |
| ALMR GRAND TOTAL ALL COSTS BY STAKEHOLDER | | | |
| GRAND TOTAL | DEPARTMENT OF DEFENSE (USARAK, JBER & EIELSON) | STATE | MOA |
| \$7,903,829.94 ^{8thru12} | \$1,824,326.85 ^{9thru12} | \$5,592,285.09 ^{9,10&12} | \$487,218.00 ^{8,10&12} |

NOTES: Assumption is all agencies will escalate at the same rate for future year costs.

8 - The MOA owns and operates the AWARN system. Although they have connectivity for interoperability purposes, they do not share costs of the ALMR System operations and maintenance.

9 - Percentages are based on total owned infrastructure - the State of Alaska owning 88 percent of the total ALMR site infrastructure and the DOD owning 12 percent of the total ALMR infrastructure.

10 - The System Update Services (SUS) program cost **are** included in the FY17 shared totals.

11 - The DIACAP recertification occurs every three years and that cost **is** included in the DOD FY17 centric cost totals.

12 - This quotation is a budgetary submittal for the System Upgrade Services (SUA) and is not binding on Motorola™. It **does not** include the cost of those major equipment components reaching end-of-life or subscriber end-of-life replacement.



CONTRACTS

Contracts covering the costs for Operations Management, System Management, and Equipment Maintenance are currently paid on a cost-share basis. Contracts are cost shared between the Federal agencies and the State of Alaska and provide baseline services as listed on pages 2 - 4.

| | |
|------------------------------|----------------|
| Operations Management Office | \$450,000.00 |
| System Management Office | \$1,844,801.05 |
| Equipment Maintenance | \$3,446,239.89 |

| | |
|--------------------------------|-----------------------|
| Contracts only subtotal | \$5,741,040.94 |
|--------------------------------|-----------------------|

Travel costs associated with the quality assurance/quality control (QA/QC) of periodic maintenance inspections (PMIs) are included in the estimated baseline contract cost for the Operations Management Office (OMO). The costs below are estimates only and are based on previous events requested in support of services expected of the OMO. This information is provided as a point of reference regarding a portion of the costs to the baseline contract cost for listed on page 2.

PMI QA/QC

Periodic Maintenance Inspections QA/QC travel locations/costs will change each year. Twenty-five percent of all sites must be inspected each calendar year.

Sites/Costs (travel funds included in the OMO baseline contract)

NOTE: These locations may not reflect the actual sites which will be visited in 2016/2017, but are used as a baseline. Actual rates may vary.

| | | |
|---------------------------|---|--------------------------------|
| North | Cost covers travel to Pole Hill, Peger Road, Nenana, Quarry Hill, Black Rapids, Harding Lake and Ester Dome | \$2,315.00 ¹³ |
| Southeast | Cost covers travel to Skagway, Haines, Saddle Mountain, Auke Lake, Dimond Courthouse, Cordovia, Sitka and Sunny Hay | \$2,785.00 ¹³ |
| Central | Cost covers travel to Valdez, Trims, Tsina, Glennallen, Sourdough, Tahmeta Pass, Sawmill, Lions Head, Cathedral Rapids, Atwood Building and Tolsona | \$1,253.00 ¹³ |
| PMI QA/QC subtotal | | \$6,353.00¹³ |

NOTE¹³: Expenses listed on this page are estimates. These may not be the actual sites visited and amounts may not be the actual end costs associated with those visits.



Expenses associated with this item/event, and previously included on page 7, are not included in any contract or other services previously referenced and must be budgeted for under separate contract.

SYSTEM UPGRADE ASSISTANCE (SUA) II \$1,967,100.00

This annual payment provides for a System software upgrade once in a two-year period that ALMR could elect to perform at their convenience. This maintains the System at the current software platform.

SUA II only subtotal \$1,967,100.00¹⁴

NOTE¹⁴: This cost figure is an estimate and does not include any hardware or subscribers that will reach end of life. This quotation is a budgetary submittal and is not binding on Motorola™ and is not intended to serve as the basis for a contract or order. This figure does not incorporate costs associated with the System Update Services (SUS).

Expenses associated with this item/event are included in the stakeholder shared services costs, previously referenced at page 7, but still must be budgeted for.

SYSTEM UPDATE SERVICES (SUS)

This service provides security updates and software patches for the operating system which support the ALMR System. This service is required in order to keep the System DIACAP certified.

SUS only subtotal \$150,689.00¹⁵

NOTE¹⁵: This cost figure is an estimate and is not binding on Motorola™ and is not intended to serve as the basis for a contract or order.



Expenses associated with items/events listed hereafter are **NOT** included in the referenced OMO baseline contract. They either must be budgeted for separately, or added to the baseline contract cost, which was previously provided on page 2.

TRAINING AND TRAVEL

| | | |
|---------------------------------------|---|---------------------------------|
| User Council | Annual Training Conference (Item NOT funded) | \$12,500.00 |
| | Provides training in areas surrounding land mobile radio operations and present key note speakers on areas pertinent to the Public Safety field. Covers the cost of facility rental, lodging, and per diem. This cost is an <u>estimate</u> based on a fixed funding amount provided in 2011. | |
| Communications Conferences | IWCE - Las Vegas/Mar 2017 (Item NOT funded) | \$2,900.00 |
| | APCO – Orlando FL/August 2016 (Item NOT funded) | \$2,800.00 |
| Travel & Training subtotal | | \$18,200.00¹⁶ |

NOTE¹⁶: These cost figures are estimates, which are based on previous events as requested in support of services expected of the OMO. These items are not included in any previous contract amounts or other services previously listed.



Any expenses associated with items/events listed hereafter are not included in any contract or service previously listed. These are the detailed descriptions regarding those items listed on page 10.

Training

- Annual User Council Training Conference

The annual training conference provides an opportunity for all primary and alternate User Council members to meet face-to-face where they can conduct extensive in-depth discussions/training scenarios without interruption.

The User Council is afforded adequate time to focus on issues involving the System and public safety in general, in both the near and long term, which they may need to address or act upon. Focus areas can include, but are not limited to, coverage issues, future System expansion or enhancement, site maintenance and outages, technology advancements and System software/hardware refresh, training opportunities/deficiencies, cost share, Incident Command Zones, baseline System standards and metrics, and System security standards.

Communications Conferences

Conferences keep ALMR staff members informed of the latest developments in technology and public safety interoperable communications. Additionally, conferences offer the ability to network with other land mobile radio users and public safety officials to gain insight into other state's challenges to interoperability issues and possible solutions.

- International Wireless Communications Expo (IWCE)

The IWCE is the forum where all industries and communications IT professionals come together to share thoughts and ideas on wireless communications technologies. Individuals who are responsible for planning and implementing an organization's wireless technology future have the opportunity to interact with Enterprise Users from industries such as security, utilities, transportation, construction, education, retail, healthcare and facilities management, public safety professionals, wireless service providers, IT professionals, and dealers or consultants. The ICWE also provides an opportunity to attend content rich education and training sessions developed by industry experts.

- Association of Professional Safety Communications Officials (APCO)

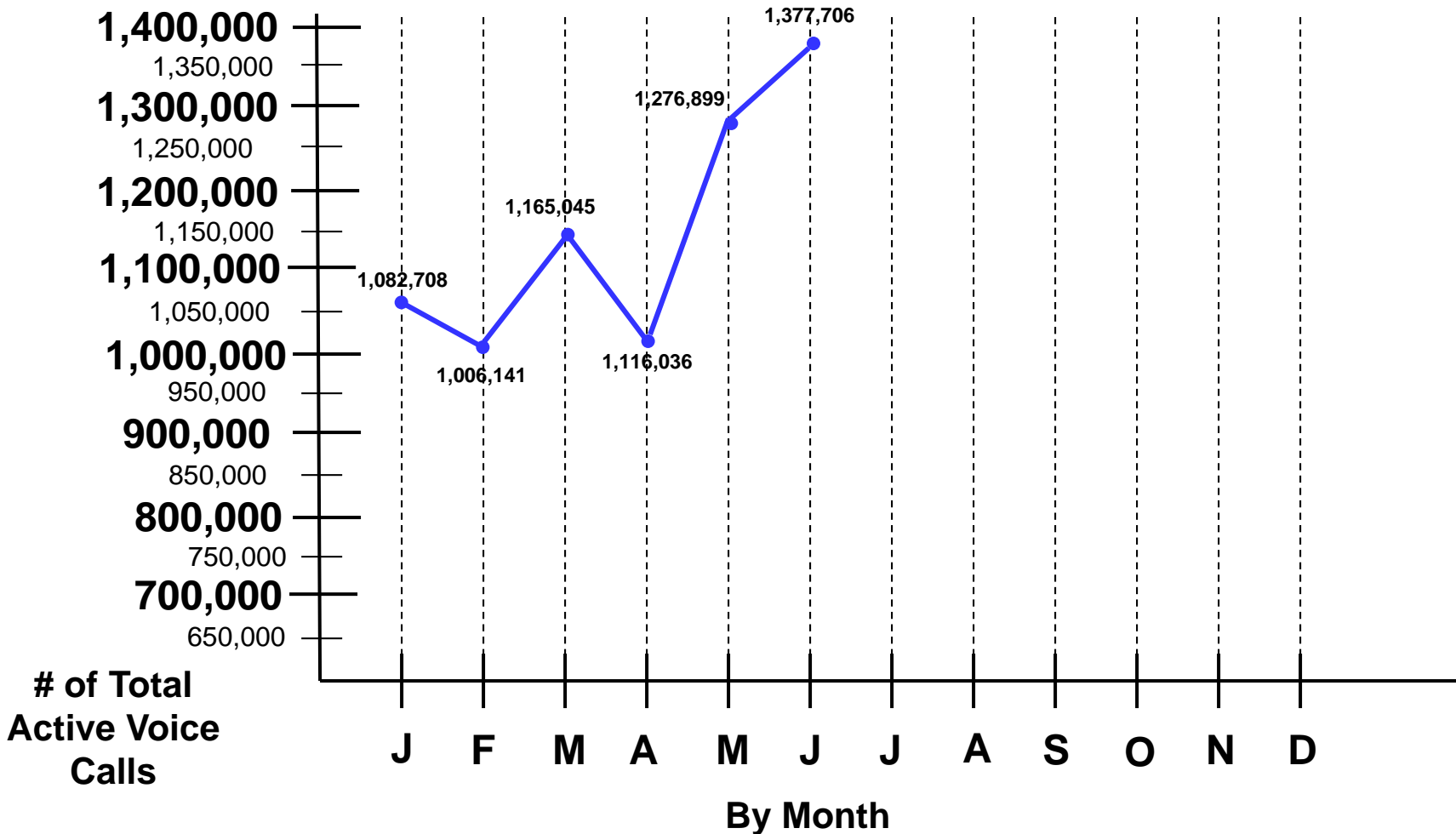


APCO International is the world's largest organization dedicated to public safety communications and has been around since 1935 - far longer than any other public safety communications association. It has more than 15,000 members dedicated to the public safety community to provide information from examining standards and issues to providing education, products and services. APCO members come from all types of public safety organizations: Emergency Call Centers Law Enforcement Agencies Emergency Medical Services Fire Departments Transportation Agencies & Facilities Emergency Management Centers Forestry Services Colleges & Universities Military Units Manufacturers Technical & Repair Services Engineers APCO is at the forefront, ensuring the public safety community is well-equipped. Conferences assist public safety organizations with updating their knowledge and getting the latest information for excelling at their job – protecting the safety and welfare of the general public.

DRAFT

2015 System Performance

Active Voice Calls

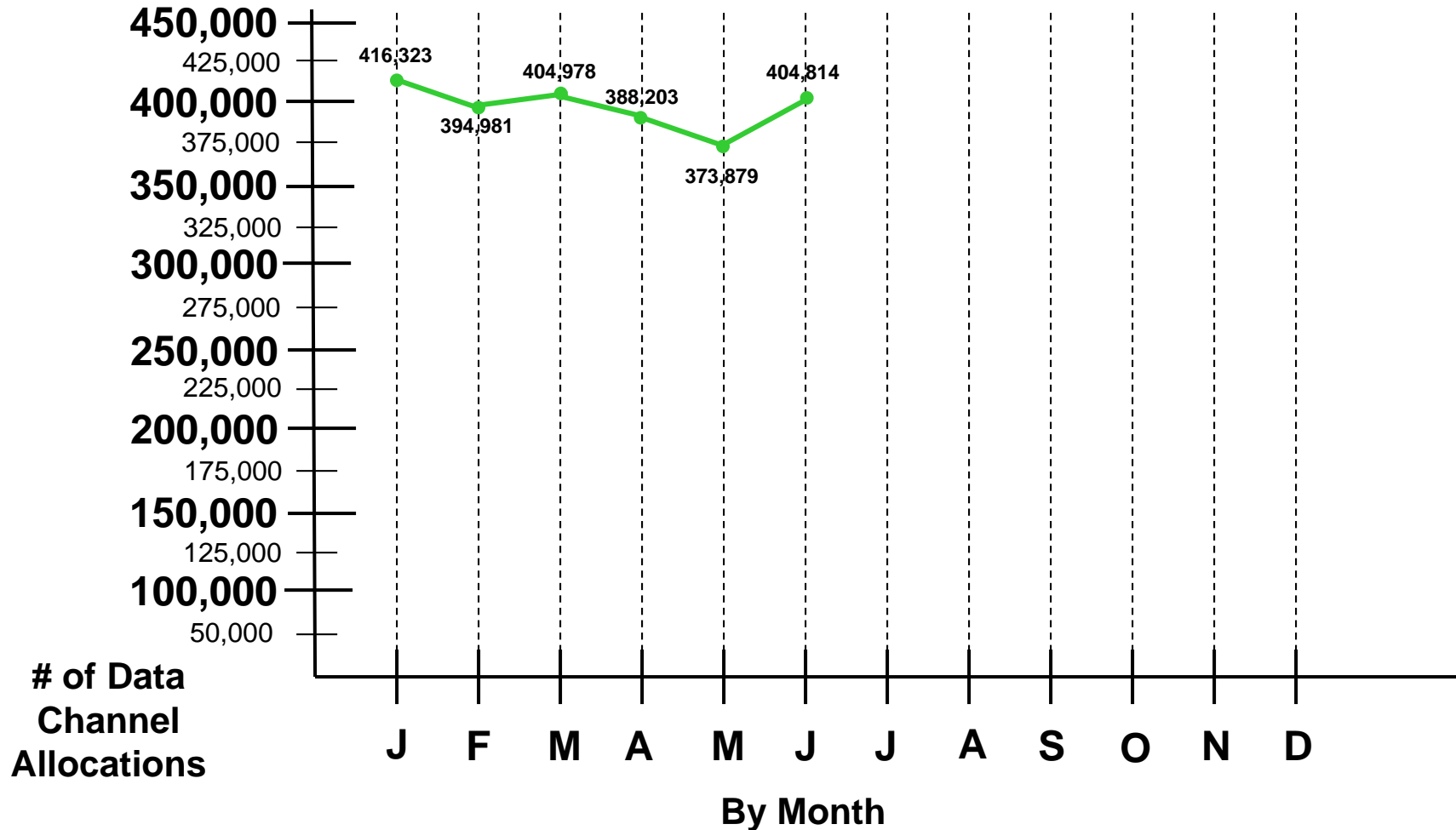


NOTE 1: February - there was an issue at Site Summit where only half of the channels were working.

NOTE 2: On April 16, all Zone 2 sites went down when the Birch Hill Master site took a power hit. The battery bank was dead and several minutes passed before the generator started.

NOTE 3: June experience several wildfires simultaneously – Card Street and Sockeye

2015 System Performance Data Channel Allocations

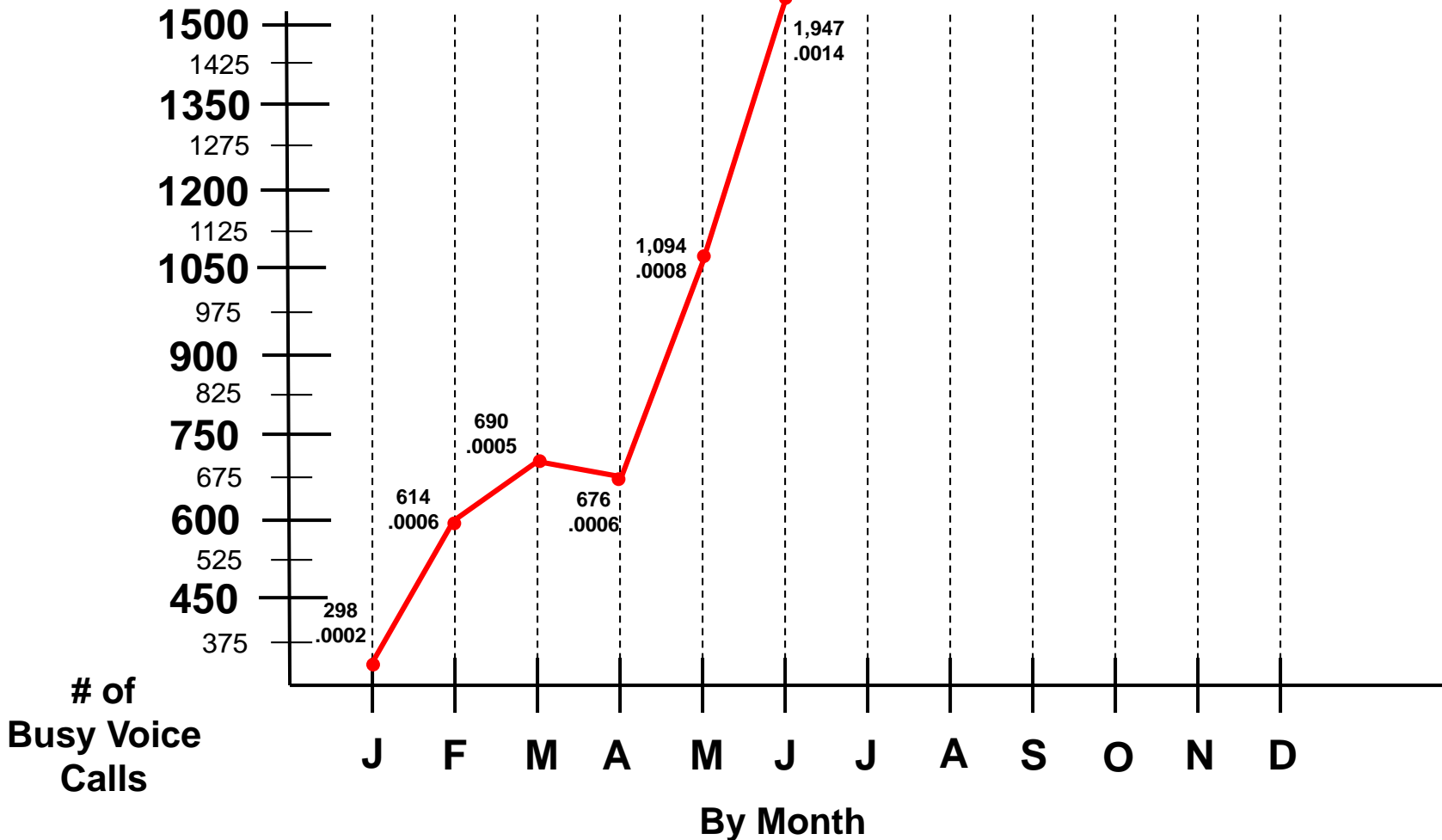


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NOTE 2: On April 16, all Zone 2 sites went down when the Birch Hill Master site took a power hit. The battery bank was dead and several minutes passed before the generator started.

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2015 System Performance Busy Voice Calls



NOTE 1: February - there was an issue at Site Summit where only half of the channels were working.

NOTE 2: On April 16, all Zone 2 sites went down when the Birch Hill Master site took a power hit. The battery bank was dead and several minutes passed before the generator started.

NOTE 3: June experience several wildfires simultaneously –Card Street and Sockeye

ALMR Performance during
Card Street and Sockeye Wild Land Fires
June 15 - 20, 2015

On July 8, 2015, the ALMR Operations Manager, Mr. Del Smith, received an e-mail forwarded from Mr. Scott Stormo, ETS SATS and ALMR Manager. The forwarded email was from Department of Administration (DOA) Deputy Commissioner Boucher that addressed an inquiry to DOA Commissioner Fisher from Representative Neumann's office. According to Deputy Commissioner Boucher's e-mail, Representative Neumann had questioned the performance of ALMR in providing communications during the response to the Card Street and Sockeye wild land fires.

Since the inquiry regarding ALMR performance in the forwarded e-mail was non-specific as to the alleged problem or location, or provided any information that would assist in determining actual ALMR issues that could be addressed, the author is unable to respond directly.

Prior to the receipt of the e-mail from Mr. Stormo, the ALMR Operations and System Management staff had not received any feedback critical of ALMR System performance, either during the fires or afterwards, from agencies that responded to the fires.

To ensure ALMR would be responsive to any request for communications support during the Sockeye and Card Street fires, the Operations Manager and the System Manager, Mr. Travis Conant, initiated outreach on June 15 to Mr. Scott Walden, OEM Kenai Peninsula Borough, Ms. Tammy Goggia, Soldotna AST Dispatch, and Mr. Nathan Skinner, DNR Forestry. A request was made to both Mr. Walden and Mr. Skinner to advise the ALMR Operations Manager as soon as Communications Leaders (COMLs) were appointed for each of the fires so ALMR staff could advise the COMLs of the communications resources available from ALMR and make recommendations on the most efficient utilization of the ALMR trunked system.

On June 16, 2015, the Operations Manager contacted the Sockeye Fire Unified Command Logistics section by phone and requested the contact information for the COML and also requested that the COML contact the ALMR staff. ALMR staff was not contacted by a COML or anyone else from the Logistics staff regarding ALMR use subsequent to the phone call.

On June 18, the COML for the Card Street Fire, Ms. Missy Parker, DNR Washington state, called the Operations Manager. Both the Operations Manager and the System Manager engaged in a teleconference with Ms. Parker and she advised that she would be transitioning the responders that had been using ALMR onto the conventional radios used by the personnel actually conducting the fire fighting effort. Ms. Parker did not indicate there had been any issues with ALMR during the time that it was being used by the fire fighters and she did not request any additional information or support from ALMR. Although the ALMR staff was unable to speak directly to a COML assigned to

the Sockeye fire, the staff was in regular contact with Mr. Skinner and received no requests with regard to ALMR.

As part of this review of ALMR System performance, the Operations Manager contacted key personnel from the agencies using the System during the response to the fires. E-mail responses from the agency personnel are included as part of this report. Ms. Goggia provided a verbal response to the Operations Manager, via telephone, that there were no issues and she indicated she would provide a follow-up email to that effect. It had not been received at the completion of this report.

The Operations Manager also contacted Representative Neumann's office on July 9 requesting additional information to better respond to the alleged ALMR performance issues referred to in the e-mail from Deputy Commissioner Boucher. At the time this report was completed on July 14, no further information has been received from the Representative's office.

An audit of ALMR site utilization at sites that would have been accessible by radios in the area of the two fires was conducted to determine usage and System performance during the fires.

The audit covered the period of May 31 through June 20, 2015, to allow a comparison of normal daily usage prior to the fire with the usage during the fires. The raw data with regard to daily activity for the period is included in this report.

A summary of the ALMR System performance during that time period is included below.

| ALMR Usage Audit | | | | | | | |
|------------------|-------------------|-------------------|--------------------|-------------|------------------|----------------|--------------|
| Card Street Fire | 5/31 thru 6/20/15 | Total voice calls | Total Duration | Total Buses | Average Duration | Total Duration | % Site usage |
| | Pipeline site | 16,958 | 43hrs 44min 29sec | 50 | .03 sec | 2min 17sec | 32% |
| | Ski Hill site | 27,539 | 69hrs 38min 11sec | 20 | .03 sec | 1min 3sec | 29% |
| | Sterling Site | 21,591 | 54hrs 28min 29sec | 2 | .06 sec | 11sec | 27% |
| | Kenai | 23,130 | 57hrs 30min 49sec | 1 | .01 sec | .01sec | 28% |
| | Kasilof | 19,990 | 48hrs 58min 35sec | 68 | .03 sec | 3min 46sec | 32% |
| Sockeye | | | | | | | |
| | Willow Creek | 4,268 | 16hrs 59min 25sec | 48 | .03 sec | 2min 25sec | 33% |
| | Cottonwood | 31,893 | 87hrs 34min 17sec | 2 | .01 sec | .01sec | 31% |
| | Alcantra | 35,764 | 102hrs 18min 49sec | 112 | .03 sec | 5min 23sec | 33% |
| | Chulitna | 6,393 | 20hrs 09min 14sec | 0 | 0 sec | 0sec | 28% |

The usage reports generated by the System indicate the ALMR System was performing as designed. Without specific information as to the ALMR alleged issues regarding ALMR performance, no further review is anticipated at this time.

Report prepared by:
 Del Smith
 ALMR Operations Manager
 907-334-2636
 delsmith@5starteam.net

Attachments:

- 1) Card Street fire site data
- 2) Sockeye fire site date
- 3) Initial email correspondence to KPB OEC
- 4) KPB OEC email correspondence regarding ALMR performance
- 5) DNR Forestry email correspondence regarding ALMR performance
- 6) DPS email correspondence regarding ALMR performance
- 7) MOA email correspondence regarding ALMR performance

Sherry Shafer

From: Del Smith <delsmith@5starteam.net>
Sent: Tuesday, June 16, 2015 10:59 AM
To: Scott Walden
Cc: Goggia, Tammy (DPS sponsored); Sherry Shafer; Rich Leber; Scott D Stormo
Subject: Card Street fire

Scott;

When/if a COML is appointed for the Card street fire, System Manager Travis Conant and I would very much like to work with them to ensure the most efficient use of ALMR. Please request they contact me.

Thanks

Del Smith

ALMR Operations Manager

907-334-2636 (Office)

907-229-2114 (Cell)

907-269-6797 (Fax)

delsmith@5starteam.net

www.alaskalandmobileradio.org

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Sherry Shafer

From: Walden, Scott <swalden@kpb.us>
Sent: Tuesday, June 16, 2015 11:12 AM
To: Del Smith
Cc: Goggia, Tammy; Sherry Shafer; Rich Leber; Scott D Stormo
Subject: Re: Card Street fire

Thank you sir, I will provide this info to the forestry IC. We expect the Type II team tomorrow rather than today so that will be integral to their setup.

Scott

Sent from my iPhone

On Jun 16, 2015, at 9:58 AM, Del Smith <delsmith@5starteam.net> wrote:

Scott;

When/if a COML is appointed for the Card street fire, System Manager Travis Conant and I would very much like to work with them to ensure the most efficient use of ALMR. Please request they contact me.

Thanks

Del Smith
ALMR Operations Manager
907-334-2636 (Office)

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Sherry Shafer

From: Walden, Scott <swalden@kpb.us>
Sent: Thursday, July 09, 2015 10:03 AM
To: Del Smith
Cc: Sherry Shafer; Scott D Stormo; Travis Conant; Rich Leber; Goggia, Tammy
Subject: Re: Card Street fire

No, in fact my impression is that the after action we did following Funny River provided better understanding of the system and improved tactical use this fire, we had zero complaints from Boro agency responders. It appears the system worked fine.

Can't speak for Willow, but with multi responders from across the state, there's bound to have been overuse, leading to legislative confusion about system function vs user error.

Also, there were two ongoing fires in Cooper Landing at the same time as willow and card. Both were US Forest Service, and I had heard they were attempting to use Almr in some fashion, possibly mobile comm system.

FYI.. For both Card and Cooper Landing fires I met with IC at each and provided the contact for ALMR system administrator as you had asked, and advised they needed to involve your office and IC COML folks. I also held an area wide phone meet with all fire chiefs and Tammy to remind them to use the system properly. Team leaders had access while crews were asked to use simplex. That seemed to work.

Tammy may have other info.

Thanks
Scott

Sent from my iPhone

On Jul 9, 2015, at 8:44 AM, Del Smith <delsmith@5starteam.net> wrote:

Scott:

The DOA Commissioner's office has received comments from Rep. Neuman that ALMR performed "poorly" during the Card street and Sockeye wildland fires. No specific information was provided by the Rep that I am aware of. As was the case with the Funny River fire, we have not received any comments on ALMR performance during the Card Street fire other than from Lt. Gilmore regarding "busies" on Pipeline. Did you received complaints about ALMR either during the fire or after?

Thank you

Del Smith
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907-334-2636 (Office)

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Sherry Shafer

From: Delsmith <delsmith@5starteam.net>
Sent: Friday, July 10, 2015 5:55 PM
To: Scott Stormo
Cc: Sherry Shafer
Subject: Fwd: ALMR Discussion

FYI

Sent from my iPhone

Begin forwarded message:

From: "Skinner, Nathan P (DNR)" <nathan.skinner@alaska.gov>
Date: July 10, 2015 at 2:51:05 PM AKDT
To: "'Del Smith' (delsmith@5starteam.net)" <delsmith@5starteam.net>
Subject: ALMR Discussion

Del,

Per our discussion earlier on complaints related to the system on the recent Card Street and Sockeye fires. As you know the Division of Forestry is one of the three Primary agencies in the state that is responsible for fighting Wildland Fires. Of course like all state agencies we use ALMR daily and are quite familiar with operations and any limitations. For us ALMR works as designed especially on the road system, coincidentally it also works fairly well in quite a few off road areas we never had radio coverage before ALMR. From our point of view it is a very valuable tool and we continue to support and use it.

As far as issues on Card Street and or Sockeye, first remember that even though we rely on local Fire Departments, Borough Emergency Management, State troopers, etc and list goes on and on to help or respond. We are the agency responsible for the incident and we follow national standards on wildfire response and operations going from a small locally manageable incident to these large incidents that will require a national level IMT or Incident Management Team. What that means for two way radio is we depend on in place infrastructure for initial response or initial attack if you will. Then as moves into a bigger incident we start to think about setting up portable repeaters and then move to a National Cache radio system when the incident goes to the so called type 1 or 2 management level. Which means that fire operations on a large incident like Card Street or Sockeye would be moved off of local systems like ALMR after a few days, the local agencies and Division Of Forestry assets not assigned to the fire would still be using it but the fire itself would not be, other than if like say troopers or Borough assets doing evacuations or security etc.

I have not heard any ALMR complaints from Card Street and we were using an ALMR talkgroup as the main Dispatch channel for 72 hours. It performed very well for us, other than the usual firefighter comments no issues. On Sockeye they were having some issues with busies in the initial phases once the evacuations started due to increased traffic, but the IC's solution was to go ahead use one of our conventional repeaters and as the incident got bigger they put up a Mat-Su Borough portable repeater until the IMT 1 took over and put up the National radio system. During that first 72 hour period or so there was quite a bit of ALMR use for other responses as well as the Troopers, etc. I would say the system preformed quite well considering and I have not heard any complaints on that side that were specific to ALMR.

As I stated in the first paragraph ALMR is a valuable tool for us and we will continue to use and support it.

Nathan P Skinner

Alaska Division Of Forestry

Communications

907-451-2810

907-420-7902

From: **Greenstreet, Andrew J (DPS)** andrew.greensfreet@alaska.gov
Subject: RE: Card Street fire
Date: July 9, 2015 at 11:16 AM
To: Del Smith delsmith@5starteam.net

That is correct. There were no significant issues that were brought to my attention.

From: Del Smith [mailto:delsmith@5starteam.net]
Sent: Thursday, July 09, 2015 10:21 AM
To: Greenstreet, Andrew J (DPS)
Subject: Card Street fire

Andy:

Per our phone conversation this morning, it is my understanding that you were not advised of any ALMR "performance" issues for AST during the Card street fire. If my understanding is correct, would you please respond and confirm my understanding?

Thank you

Del Smith
ALMR Operations Manager
907-334-2636 (Office)
907-229-2114 (Cell)
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From: **Erickson, Trygve J.** EricksonTJ@ci.anchorage.ak.us
Subject: Sockeye Fire
Date: July 9, 2015 at 10:45 AM
To: 5Starteam delsmith@5starteam.net

Del

As you may know I live in Willow on Long Lake. My home is about a mile from the southeastern most point the fire burned, near Shirley Lake. I encountered units from the Anchorage Fire Department Monday morning June 15 and over the next week. AFD captains and/or Battalion Chiefs had dual band radios that permitted interoperability with the Mat Su Borough, State Forestry, State Troopers and AFD Anchorage Dispatch among others. They used AWARD direct 700 MHz channels to talk to other AFD units working the fire. My AFD folks reported success at communicating among responders.

I was involved in communications management during the Millers Reach Fire nearly 20 years ago and can say with pride and certainty that with ALMR, AWARD and other advances we've come along ways towards seamless communications for our responders.

Trygve Erickson, Director
Communications & Electronics
Municipality of Anchorage AK