M E T R O P O L I T A N E M E R G E N C Y S E R V I C E S B O A R D

RADIO TECHNICAL OPERATIONS COMMITTEE
TENTATIVE AGENDA
Board Room, Metro Counties Government Center
January 28, 2015
1:00 – 3:00 p.m.

MEMBERS:

Ulie Seal, Chair
MN Fire Chiefs Association

Ron Jansen, Vice Chair
Dakota County

Jeff Bjorklund
Metropolitan Airports Commission

Susan Bowler
Carver County

Chris Caulk
Isanti County

Jon Eckel
Chisago County

Clif Giese
Metro Region EMS

John Gundersen
Hennepin County

Chad LeVasseur
Metropolitan Council

Rod Olson
City of Minneapolis

Chuck Steier
At-large member, U of M Police

Jake Thompson
Anoka County

Dean Tilley
Washington County

Chris Weldon
Scott County

Scott Williams
Ramsey County

Open
MN Chiefs of Police Association

1. Call to Order

2. Approval of December 17, 2014 Minutes

3. Agenda Items
    a. COML Certification for Jay Sliwinski – Jill Rohret
    b. City of Bloomington Console Upgrade – Ulie Seal
    c. Grant Projects – Jill Rohret
    d. Metro VHF Interoperability System – Voting – Jill Rohret
    e. 2016-2020 SUAII Agreement – Jill Rohret
    f. Discussion re: Future of Interoperability Subcommittee – Ron Jansen

4. Moves, Additions & Changes to the System
    a. Existing/Other Systems

5. Committee Reports
    a. Metro Mobility System Usage Update—Chad LeVasseur/Dana Rude
    b. SMG Update
    c. Report from Interoperability Subcommittee—next meeting March 4
    d. Reports from SECB Committees—Jill Rohret
        i. Sponsorships

6. Other Business
    a. Regional Talkgroup Permissions Update – None

7. Adjourn

Ulie Seal, Chair

Metropolitan Emergency Services Board
Radio Technical Operations Committee
Meeting Notes
December 17, 2014

Members Present: Ulie Seal, Chair; Jeff Bjorklund; Jon Eckel; Clif Giese; John Gundersen; Ron Jansen; Chad LeVasseur; Rod Olson; Dave Pikal; Chuck Steier; Jake Thompson; and Dean Tilley.

Guests Present: Jill Rohret, Metropolitan Emergency Services Board; Andrew LaVenture, Edina Fire Department; and Dana Rude, Metro Mobility.

Call to Order: Ulie Seal called the meeting to order at 1:05 p.m.

Minutes of the November 19, 2014 Meeting:
Jill Rohret stated there was one correction to the minutes. The Scott County CCGW port count should have been listed as eight ports on two CCGWs.

M/S/C – Jeff Bjorklund moved to approve the November 19, 2014 meeting minutes with amendment. Clif Giese seconded. The motion carried.

Election of 2015 Chair and Vice Chair:
Clif Giese nominated Ulie Seal as Chair and Ron Jansen as Vice Chair. Jake Thompson seconded.

Jon Eckel moved to cast a unanimous ballot. Clif Giese seconded. The motion carried.

Approval of COML Certification for Andrew LaVenture:
Andrew LaVenture stated his certifying event was a Type III incident at a fire training. COMTs were included in the simulation of a dirty bomb. The event lasted 5.5 to 6 hours.

Rohret stated that Seal has signed off on the paperwork.

M/S/C – Clif Giese moved to approve COML Certification for Andrew LaVenture. Dean Tilley seconded. The motion carried.

Approval of Washington County Sponsorship of St. Paul Park/Northern Tier Energy: Dean Tilley stated that St. Paul Park Refinery and St. Paul Park Fire Department work closely together. The Refinery would like to be a non-governmental user and have radios in the operations center at the plant to communicate with incident command during incidents at the plant. This request is being sponsored by Washington County and the Refinery would be a Washington County user. The request is for 20 radios, which includes expansion. Eight radios would be used right away.

Ron Jansen asked if they would be daily or interoperability users.

Tilley responded interoperability users.

M/S/C- Ron Jansen moved to approve the Washington County sponsorship of St. Paul Park/Northern Tier Energy. Jake Thompson seconded. The motion carried.

Grants Discussion: Rohret stated that she had to send information to ECN regarding how the 2014 SHSP grant would be spent. Based on the possible allocation formulas she has seen, the metro would receive something between $82,000 and $400,000, depending on what formula is chosen. This topic was discussed at a recent TOC meeting and she knows that the 7.19 upgrade is the region's priority, with some

funding for an exercise and TICP maintenance. She is wondering whether or not the region would like to have a GTR class and would 2015 be too early for such a class?

Jansen said that most infrastructure owners in the region already have some GTRs. The timing is a bit early, but since there are already some in the metro it would work.

Rohret said she would include that in the list of how things would be spent, depending on what the metro's allocation is. She also stated that the allocation of grant funds for GTRs would need to be on an upcoming agenda and asked members to think about how to determine who would get funds or stations.

Moves, Additions & Changes to the System: John Gundersen gave an update on the new Hennepin County Emergency Communications facility in Plymouth. Dispatch moved into the new facility around midnight on December 16. Golden Valley is still an ARMER hub.

Jansen said that the DCC signed its contract with Motorola for its MCC 7500 consoles, which will be installed in the first quarter of 2015.

Metro Mobility Update: Chad LeVasseur said that they are moving to get their consoles installed.

Dana Rude said that console installation will begin in first quarter 2015. Once those are installed the MCC 7100s will be installed.

SMG Update: Jansen said the meeting date has been changed to the fourth Wednesday of the month. There was a recommendation for a new monthly report – what talkgroups are requested at sites. The report is informational and not likely to be pursued further or formally by the SMG. It is being left to the owners to resolve. There was an update on the dual link project. There are four open cases with Motorola and they are not necessarily 7.13 related. The RoIP standard was discussed.

Interoperability Sub-committee Update: Rohret stated that the next scheduled meeting will be March 4.

SECB Committee Reports: Rohret said that the SECB meeting was cancelled. The SECB Steering Committee is working on a strategic plan and the Finance Committee will hold a meeting with all regions in January.

The group discussed the proposed grant program for 7.19. Rohret stated that there still is no word from the Governor's office regarding approval. The MESB is planning on lobbying hard for the program if it is approved by the Governor. She did caution that there is a possibility that it would not be approved by the Governor.

Other Business: None.

Adjournment:
M/S/C—Ron Jansen moved to adjourn the meeting. Chuck Steier seconded. The motion carried.

The meeting adjourned at 1:49 p.m.

MESB Copy Sliwinski

Minnesota COML Team
Metro Region Communications Unit Leader
Type III COML CERTIFICATION CHECK OFF

The following items checked are included in this packet

- ☑ All Prerequisite Training Completed
  - ☑ ICS 700 (Printout attached)
  - ☑ ICS 800 (Printout attached)
  - ☑ ICS 100 (a or b) (Printout attached)
  - ☑ ICS 200 (Printout attached)
  - ☑ ICS 300 (Printout attached)

  If you are part of the Minnesota training Website, A print of the HSEM Certification Record Completed courses main page with the above courses listed will be sufficient.

- ☑ Copy of Certificate from COML training
- ☑ Agency Certification (attached) – in task book
- ☑ Completed Task Book (with evaluator reviews)
- ☑ Copy of an Incident Action Plan, Incident Communications Plan, or After Action Plan (only one needed)
- ☑ Final Evaluator Certification (attached)
- ☑ Regional Interoperability Coordinator review

(Signature) **Jill Rohret** (Printed Name)

- ☐ Regional Radio Board – Technical Operations Committee Review

(Chair of Radio-TOC Signature) **Ulysses Seal** (Printed Name)

- ☐ Statewide Interoperability Program Manager Review

(Statewide Interoperability Program Manager Signature) (Printed Name)

Emergency Management Institute

FEMA

This Certificate of Achievement is to acknowledge that

JAY A SLIWINSKI

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the independent study course:

IS-00100.LEa
Introduction to the Incident Command System,
ICS-100 for Law Enforcement

Issued this 8th Day of September, 2009

0.3 IACET CEU

Cortez Lawrence, PhD
Superintendent
Emergency Management Institute

Emergency Management Institute

FEMA

This Certificate of Achievement is to acknowledge that

JAY A SLIWINSKI

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the independent study course:

IS-00200
ICS for Single Resources and Initial Action Incidents

Issued this 21st Day of December, 2006

Cortez Lawrence, PhD
Superintendent
Emergency Management Institute

0.3 CEU

Center for Domestic Preparedness

FEMA

This is to certify that

Jay A. Sliwinski

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the:

Emergency Management Institute's ICS-300

Intermediate ICS for Expanding Incidents

(18 Contact Hours)

Issued this 31st day of March, 2010

Gregory C. Hayes
Trainer

Dr. Christopher T. Jones,
Superintendent
Center for Domestic Preparedness

Center for Domestic Preparedness

FEMA

This is to certify that

Jay A. Sliwinski

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the:

Emergency Management Institute's ICS-400

Advanced ICS Command and General Staff-Complex Incidents

(14 Contact Hours)

Issued this 2nd day of April, 2010

Jeffrey P. Lanenberg
Trainer

Dr. Christopher T. Jones,
Superintendent
Center for Domestic Preparedness

Emergency Management Institute

FEMA

This Certificate of Achievement is to acknowledge that

JAY A. SLIWINSKI

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of this course:

IS-00700
National Incident Management System (NIMS) an Introduction

Issued this 21st Day of September, 2006

0.3 CEU

Richard Callis
Acting Superintendent
Emergency Management Institute

FEMA Form 16-31, October 05

Emergency Management Institute

FEMA

This Certificate of Achievement is to acknowledge that

JAY A SLIWINSKI

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the independent study course:

IS-00800.b
National Response Framework, An Introduction

Issued this 26th Day of July, 2010

AUTHORIZED IACET PROVIDER

0.3 IACET CEU

Cortez Lawrence, PhD
Superintendent
Emergency Management Institute

WISCONSIN EMERGENCY MANAGEMENT

EMERGENCY MANAGEMENT TRAINING

This Certificate of Achievement is to acknowledge that

Sliwinski, Jay

has successfully completed

NIMS ICS All-Hazards Position-Specific: Communications Unit Leader (COML) Course

Tyler, William
WISCONSIN CERTIFIED INSTRUCTOR

20-Dec-13
DATE

Gary Wiegert
STATE TRAINING OFFICER

Ellsworth, 54011 (24.00 Hours)

Homeland Security

ALL-HAZARD COMMUNICATIONS UNIT LEADER (COML)

Position Task Book

Task Book Assigned To:

Trainee's Name: Jay A. Sliwinski

Home Unit/Agency: Ramsey County ECC

Home Unit Phone Number: 651-266-7703

Task Book Initiated By:

Official's Name: _____

Home Unit Title: _____

Home Unit/Agency: _____

Home Unit Phone Number: _____

Home Unit Address: _____

Date Initiated: _____

Version 1.2

May 24, 2012

VERIFICATION / CERTIFICATION OF COMPLETED TASK BOOK FOR THE POSITION OF ALL- HAZARDS COMMUNICATIONS UNIT LEADER (COML)

FINAL EVALUATOR'S VERIFICATION

I verify that all tasks have been performed and are documented with appropriate initials. I also verify that _____ has performed as a trainee and should therefore be considered for certification in this position.

Final Evaluators Signature _____ Date _____

Printed Name _____ Agency _____

Phone Number _____ Email _____

AGENCY CERTIFICATION

I certify that Jay Sliwinski has met all requirements for qualification in this position and that such qualification has been issued.

Certifying Official's Signature _____ Date 11/24/2014

Printed Name Dave Pike Agency RACC

Title Tech. Manager Phone Number 651-266-7733

HISTORICAL RECOGNITION

Historical recognition is a process that provides a means by which incident management personnel who have either:

- Documentation of previous ICS training, education, and experience in an ICS position(s); or
- Documentation of previous extensive on-the-job incident response experience, may receive credit for that previous experience, training, or qualification(s) and be considered as meeting the minimum requirements of this guide in the categories of:
  - Education;
  - Training; and
  - Experience,

for an ICS position(s) until they have successfully completed the actual minimum requirements for that position. Historical Recognition does not apply to the categories of Physical/Medical Fitness, Currency, or certification. The minimum requirements within those categories must be met regardless of any historical recognition process.

HISTORICAL RECOGNITION PROCESS

If an Authority Having Jurisdiction (AHJ) does not form a Qualifications Committee to assist with the management of the overall qualifications process, AHJ's should give strong consideration to at least forming a committee for the purposes of reviewing and processing applications for Historical Recognition. Because of the time commitment involved and the potential for perceptions of favoritism and unequal treatment during the process, other ICS qualifications processes currently used by Federal and State agencies that included a historical recognition provision used review committees to accomplish that process.

The AHJ should develop a process to provide for the following:

- Developing a method to provide for historical recognition when there is sufficient documentation available to substantiate the experience;
- Developing a standardized method for any individual to submit documentation of the experience and training for review by the AHJ or the appropriate review committee established by the AHJ;
- Developing a method to determine if the previous experience or training is appropriate for the position, keeping in mind the required criteria for the position and the competencies necessary for safe and successful performance;
- Providing for Historical Recognition only when the individual has most recently performed the position within the last five years;
- Requiring the individual meet all minimum requirements in this guide for a position if the individual seeks an ICS position other than the position they were historically recognized for;
- Encouraging all individuals who are historically recognized into a position to complete the minimum requirements for the positions within five years of being historically recognized.

INCIDENT MANAGEMENT SYSTEM POSITION TASK BOOK

Position Task Books (PTB) were developed for designated positions as described under the National Interagency Incident Management System (NIIMS) and have been incorporated into the National Incident Management System (NIMS). The position task book is used by the authority having jurisdiction to certify that the person to whom the task book belongs meets the standards recommended by the National (NIMS) Integration Center (NIC).

Each PTB lists the performance requirements (tasks) for the specific position in a format that allows a trainee to be evaluated against written guidelines. Successful performance of all tasks, as observed and recorded by an evaluator, will result in a recommendation that the trainee be certified in that position.

Evaluation and confirmation of the individual's performance of all the tasks may involve more than one evaluator and can occur on incidents, in classroom simulation, and in other work situations. Designated PTBs require position performance during which the majority of required tasks are demonstrated on a single incident. It is important that performance be critically evaluated and accurately recorded by each evaluator. All tasks must be evaluated. All bullet statements within a task that require an action (contain an action verb) must be demonstrated before that task can be signed off.

A brief list of responsibilities also appears below.

RESPONSIBILITIES:

1. The **Agency Management** is responsible for:
   - Selecting trainees based on the needs of their organization or area Incident Management Teams.
   - Providing opportunities for evaluation and/or making the trainee available for evaluation.
2. The **Individual** is responsible for:
   - Reviewing and understanding instructions in the PTB.
   - Identifying desired objectives/goals.
   - Providing background information to an evaluator.
   - Satisfactorily demonstrating completion of all tasks for an assigned position within three years.
   - Assuring the evaluation record is complete.
   - Notifying the local agency head when the PTB is completed, and obtaining their signature recommending certification.
   - Keeping the original PTB in personal records.
3. The **Evaluator** is responsible for:
   - Being qualified and proficient in the position being evaluated.
   - Meeting with the trainee and determining past experience, current qualifications, and desired objectives/goals.
   - Reviewing tasks with the trainee.
   - Explaining to the trainee the evaluation procedures that will be utilized and which

objectives may be attained.

- Identifying tasks to be performed during the evaluation period.
- Accurately evaluating and recording demonstrated performance of tasks. Dating and initialing completion of the task shall document satisfactory performance. Unsatisfactory performance shall be documented in the Evaluation Record.
- Completing the Evaluation Record found at the end of each PTB.

4. The **Final Evaluator** is responsible for signing the verification statement inside the front cover of the PTB when all tasks have been initialed.

5. The **Agency Head** or designee is responsible for:

   - Issuing the PTB to document task performance.
   - Explaining to the trainee the purpose and processes of the PTB, as well as the trainee's responsibilities.
   - Tracking progress of the trainee.
   - Identifying incident evaluation opportunities.
   - Identifying and assigning an evaluator that can provide a positive experience for the trainee, and make an accurate and honest appraisal of the trainee's performance.
   - Documenting the assignment.
   - Conducting progress reviews.
   - Conducting a closeout interview with the trainee and evaluator and assuring that documentation is proper and complete.

Competency 1: General

TASK	CODE	EVALUATION RECORD #	EVALUATOR
1. Obtain and assemble information and materials needed for a response kit prior to receiving an assignment, including critical items needed for the assignment and items needed for functioning during the first 48 hours. The following items are suggested as basic information and materials kept in a go bag: **Reference Materials** • Appropriate ICS forms and logs. • Current Tactical Interoperable Communications Plan (TICP) and Statewide Communications Interoperability Plan (SCIP), if available. • Inventories or other lists of local and regional communications response equipment. • Preplanned local system coverage maps. • Contact, capability, and availability information for local and regional Communications Technicians and Specialists. • Field Operation Guide (NIFOG). • COML Mobilization Guide (specific to locality). **Supplies** • Pads of paper, pencils, pens, and tape. • Portable radio(s) as appropriate for the region. • Personal items (including medicine and cash), food and beverage to be self-sustained for 48 hours or more. • Radio programming equipment (cloning cable or computer), adapters, and suitable tools. • GPS. • First-aid kit. • 24-hour clock. • Multi-purpose knife.	O O	1	
2. Establish and maintain positive interpersonal and interagency working relationships. • Through briefings, discuss EEO, civil rights, sexual discrimination, and other sensitive issues, with assigned personnel. • Create a work environment that provides diversity and equal opportunity for all personnel assigned to the incident. • Provide equal assignment opportunities based on individual skill level. • Monitor and evaluate progress based on	O O	1	

Code: O = Can be completed in any situation (Simulation, Classroom, Daily Job)
Code: 1 = Must be performed on an Incident, Planned Event*, or an FE/FSE* (*Must be pre-approved by the Statewide Interoperability Coordinator (SWIC)

TASK	CODE	EVALUATION RECORD #	EVALUATOR
expected work standards.			
3. Provide for the safety and welfare of assigned personnel during the entire period of supervision. • Recognize potentially hazardous situations. • Inform subordinates of hazards. • Provide safety and identifying equipment, such as vests identifying the communication's function, flashlights, and glow sticks. • Ensure that special precautions are taken when extraordinary hazards exist. • Ensure adequate rest, hydration, and nutrition is provided to all unit personnel. • Recognize any special medical needs of all unit personnel.	1	1	

Competency 2: Mobilization

TASK	CODE	EVALUATION RECORD #	EVALUATOR
4. Obtain complete information from the public safety communications center(s) serving the area and incident upon initial activation, including: • Incident name and, as appropriate, an order, request, or other unique number identifying the incident for tracking purposes. • Reporting location. • Reporting time. • Transportation arrangements/travel routes. • Contact procedures during travel (telephone/radio).	1	1	
5. Gather information to assess the incident assignment. This is an ongoing task throughout all phases of the incident. Include assigned resources in a draft Incident Radio Communications Plan (ICS Form 205). Examples of important information include: • Frequencies and/or talkgroups already assigned. • Other mutual aid channels or equipment already in use. • Gateway or other interoperability devices already in use. • Other current incidents or events that may create conflicts communications plans or tax resources.	1	1	
6. Contact Local Communications Coordinator or Communications Duty Officer (CDO) at NIFC or	1	NEXT PAGE	

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TASK	CODE	EVALUATION RECORD #	EVALUATOR
any local or state resources as necessary to determine frequencies and equipment assigned to the incident. If appropriate for this incident.	0	1	
7. Arrive at incident and check in. Arrive properly equipped at the assigned incident location within acceptable time limits.	1	1	
8. Obtain briefing from supervisor. Examples of briefing items are: • Work space. • Work schedule. • Policies and operating procedures. • Current resource commitments and expectations. • Current situation. • Expected duration of assignment. • Special needs. This list is not all inclusive; COML is responsible for asking adequate questions.	0	1	
9. Receive Incident Action Plan (IAP) or Incident Briefing Form (ICS Form 201), if developed. Determine support needs to meet the IAP.	1	3	DS
10. Determine requirements for communications to be established and place the initial order. Using information obtained from IAP, section briefings, and agency briefings; immediately order (using proper procedures) supplies, materials, and equipment necessary to support projected incident size.	1	1	
11. Evaluate needs and order supplies, materials, and personnel to keep unit operating. • Order materials and supplies using procedures established by the section chief. • Maintain quantities of supplies and materials at a level to prevent shortage of any basic needed items. • Ensure adequate personnel to support the communications unit, technicians, radio operators, etc. • Coordinate with the participating agencies for any or additional interoperability resources that may be needed. • Assess current tactical communications equipment needs such as power sources for extended operations.	1	1	
12. Organize and supervise unit. • Brief and keep subordinates informed and updated. • Establish unit time frames and schedules. • Assign and monitor work assignments.	1	1	

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TASK	CODE	EVALUATION RECORD #	EVALUATOR
• Review and approve time. • Develop team work. • Provide counseling and discipline as needed. • Follow established procedures for reporting inappropriate actions involving contractors, military, or other personnel. • Brief relief personnel.	O	1	
13. Participate in incident planning meetings as the technical expert for communications needs. • Determine the feasibility of providing the required communications support. • Provide operational and technical information on communications equipment available for the incident. • Provide operational and technical information on communications equipment and systems capabilities and restrictions. Coordinate with other Communications Unit Leaders under any Area Command established to share information and assure communications interoperability.	1	3	DS
14. Design communications systems to meet incident operational needs. • Determine additional resource needs and order necessary equipment and personnel. • Prepare Incident Radio Communications Plan, ICS Form 205. • Request any additional communications vendor services (e.g., telephone, SATCOM, microwave) and identify costs associated with equipment. • Coordinate, through the chain of command, the locations for equipment to be installed (e.g., repeaters, satellite telephones, telephone lines, etc.). • Provide communications support for external and internal data operations. • Order frequencies following the proper procedures. • Create diagrams of current communication system(s). • Determine optimal locations for any future expansion of communications equipment using topographical maps to evaluate elevation and separation needs.	1 O	1	

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TASK	CODE	EVALUATION RECORD #	EVALUATOR
15. Install communications equipment. • Obtain equipment from supply unit, if one exists and/or from authorized sources. • Provide for the installation of and test all components of the communications equipment to ensure the incident's systems are operational, for example: - Command repeater. - Logistics repeater. - Links (radio and wire-based). - Remotes. - Gateways. - Aircraft and other special needs. • Develop installation priorities, while adhering to safety standards regarding communications needs of tactical personnel (i.e., operations before logistics.). • Clone or program radios as necessary and authorized.	1	2	BAG
16. Assign communications equipment. • Identify kinds and numbers of communications equipment to be distributed to specific units according to the communications plan. • Provide resources and unit leaders with appropriate equipment based on the communications plan. • Provide basic training as needed on equipment being fielded. • Maintain equipment inventory to provide accountability	1	1	
~~17. Establish Incident Communications Center (ICC).~~ • Coordinate location of ICC with Facilities Unit Leader. • Locate ICC close to the incident command post and away from high traffic areas and noise. • Locate ICC away from radio frequency and electronic noise. • Verify Estimated Time of Arrival (ETA) of communications personnel and establish assignments based on incident requirements. Set schedules around operations requirements. • Obtain necessary supplies for ICC to function properly.	1	3	DS
18. Manage operations of the ICC. • Document radio/telephone activities on appropriate forms.	1	3	DS

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TASK	CODE	EVALUATION RECORD #	EVALUATOR
• Set up filing system for ICC documentation. • Direct radio/telephone traffic to proper destinations. • Establish notification procedures for emergency messages. • Identify system problems, both technical and operational, and determine appropriate solutions. • Follow established routing procedures for messages.	SEE PREVIOUS PAGE		
19. Coordinate frequencies, activities, and resources with communications resource coordinators outside of the incident. • Contact communications coordinators and notify them of incident frequency, talkgroup, mutual aid channel, dispatch center, or other shared resource assignments, as appropriate. • Identify communications equipment and personnel that are excess to incident needs and demobilize if appropriate. • Identify resources as to type/qualifications, quantity, and location. • Provide a copy of the ICS Form 205 to other agencies or to the COML at any nearby incidents as necessary to avoid interference or other conflicts.	1	3	DS
20. Notify appropriate local, county, regional, State and/or Federal agencies on adjacent incident(s) of system design and frequency allocations.	1	3	DS
21. Initiate and maintain accurate records of all communications equipment • Initiate and maintain accountability system for issuing hand-held radio resources • Document geographic locations of equipment and transfer this information to local maps (latitude/longitude, legal). • Keep records for local and national resources to ensure return to proper locations.	1	3 1	DS
22. Perform operational tests of communications systems throughout the duration of the incident. • Identify and take necessary action to accomplish minor field repair or place orders for replacement of equipment. • Monitor all gateways in use. • Plan for battery replacement. • Act decisively to minimize interruptions in system operation.	1	3	DS

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TASK	CODE	EVALUATION RECORD #	EVALUATOR
23. Interact and coordinate with appropriate unit leaders and operations personnel. • Coordinate with operations regarding system coverage and needs. • Coordinate with first responders and public safety support organizations regarding needed support (e.g., medical unit for medical evacuation plan). • Coordinate with special units (air operations, EOD, SWAT, etc.) for special frequency needs. • Participate in planning meetings and briefings. Know what other resources may be coming to the incident, such as those from Urban Search and Rescue (USAR), National Interagency Fire Center (NIFC), FEMA, Coast Guard, etc.	1	3	DS
24. Identify for release any excess unit resources. Coordinate with unit managers and provide a list of excess personnel and facilities. List will include: • Who or what is excess. • Time and date of excess. The list will be reviewed daily for accuracy. Follow the established demobilization process, including notification to communications resource coordinators.	1	3	DS
25. Maintain ICS Unit Log. Unit Log will be kept current, legible, and will document all major activities, which may include: • Equipment locations. • Medical evacuations. • Personnel changes.		1	
26. Evaluate performance of subordinates as required by agency policy and/or permitted by agreement. • Discuss performance evaluations with individual(s). • Maintain accuracy and fairness. • List training if needed or desired.		1	

Competency 3: Demobilization

TASK	CODE	EVALUATION RECORD #	EVALUATOR
27. Demobilization and check out. • Submit all required information to the Documentation Unit Leader. • Receive demobilization instructions from work supervisor.	1	3	DS

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TASK	CODE	EVALUATION RECORD #	EVALUATOR
• Brief subordinate staff on demobilization procedures and responsibilities. • Ensure that incident and agency demobilization procedures are followed. • Complete required ICS form(s) and turn in to the appropriate person. • Ensure that personnel in the unit are demobilized correctly. • Document lost equipment on agency specific forms.	SEE PREVIOUS PAGE		

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All-Hazard Communication Unit Leader

INSTRUCTIONS FOR COMPLETING THE EVALUATION RECORD

There are four separate blocks allowing evaluations to be made. These evaluations may be made on incidents (may include preplanned events and full scale exercises), simulation in classroom, or in daily duties, depending on what the position task book indicates. This should be sufficient for qualification in the position if the individual is adequately prepared. If additional blocks are needed, a page can be copied from a blank task book and attached.

COMPLETE THESE ITEMS AT THE START OF THE EVALUATION PERIOD:

Evaluator's name, incident/office title, and agency: List the name of the evaluator, his/her incident position (on incidents) or office title, and agency.

Evaluator's home agency, address and phone: Self explanatory

#: The number in the upper left corner of the experience block identifies a particular experience or group of experiences. This number should be placed in the column labeled "Evaluation Record #" on the Qualification Record for each task performed satisfactorily.

Location of Incident/Simulation: Identify the location where the tasks were performed by agency and office.

Incident Kind: Enter kind of incident, e.g., hurricane, wildland fire, search and rescue, flood, preplanned event, full scale exercise, etc.

COMPLETE THESE ITEMS AT THE END OF THE EVALUATION ERRIOD:

Number and Type of Resources: Enter the number of resources and types assigned to the incident pertinent to the trainee's task book position.

Duration: Enter inclusive dates during which the trainee was evaluated.

Management Level or Complexity Level: Indicates ICS organization level, i.e., Type 5, Type 4, Type 3, Type 2, Type 1, Area Command

Recommendation: Check as appropriate and/or make comments regarding the future needs for development of this trainee.

Date: List the date the record is being completed.

Evaluator's initials: Initial here to authenticate your recommendations and to allow for comparison with initials in the Qualifications Record.

Evaluator's relevant rating: List <u>your</u> certification relevant to the trainee position you supervised.

EVALUATION RECORD

TRAINEE NAME | TRAINEE POSITION

#1	Evaluator's name: Troy E. Ruby Incident/office title & agency: Dakota Comm Center

Evaluator's home unit address & phone:

Name and Location of Incident or Situation (agency & area)	Incident Kind (hazmat, tornado, flood, structural fire, wildfire, search & rescue, etc)	Name & Type of Resources Pertinent to Trainee's Position	Duration (Inclusive dates in trainee status)
Hastings CRTF	Tornado	Various/Many	6/11/14 To 6/11/14

The tasks initialed & dated by me have been performed under my supervision in a satisfactory manner by the above named Trainee. I recommend the following for further development of this Trainee

X The individual has successfully performed all tasks for the position and should be considered for certification.

☒ The individual was not able to complete certain tasks (comments below) or additional guidance is required.

_____ Not all tasks were evaluated on this assignment and an additional assignment is needed to complete the evaluation.

_____ The individual is severely deficient in the performance of tasks for the position and needs further training (both required & knowledge and skills needed) prior to additional assignment(s) as a Trainee.

Recommendations: Continue with exposure to drills or actual incidents to complete sign-off

Date: 6/11/14 Evaluator's initials: [signature]

Evaluator's relevant agency certification or rating: COML

EVALUATION RECORD

#2	Evaluator's name: Richard A. Jensen Incident/office title & agency: Dakota County

Evaluator" home unit address & phone:

Name and Location of Incident or Situation (agency & area)	Incident Kind (hazmat, tornado, flood, structural fire, wildfire, search & rescue, etc)	Name & Type of Resources Pertinent to Trainee's Position	Duration (inclusive dates in trainee status)
Hastings CRTF	Tornado	Radio Tower	6/1/14 To 6/6/14

The tasks initialed & dated by me have been performed under my supervision in a satisfactory manner by the above named Trainee. I recommend the following for further development of this Trainee

✓ The individual has successfully performed all tasks for the position and should be considered for certification.

_____ The individual was not able to complete certain tasks (comments below) or additional guidance is required.

_____ Not all tasks were evaluated on this assignment and an additional assignment is needed to complete the evaluation.

_____ The individual is severely deficient in the performance of tasks for the position and needs further training (both required & knowledge and skills needed) prior to additional assignment(s) as a Trainee.

Recommendations: _____

Date: 6/11/14 Evaluator's Initials: RAJ

Evaluator's relevant agency certification or rating: COML & COMT

EVALUATION RECORD

#3	Evaluator's name: Incident/office title & agency: RAMSEY COUNTY ECC

Evaluator" home unit address & phone: DON SMILEY, 3881 13TH ST RAMSEY COUNTY, MN

Name and Location of Incident or Situation (agency & area)	Incident Kind (hazmat, tornado, flood, structural fire, wildfire, search & rescue, etc)	Name & Type of Resources Pertinent to Trainee's Position	Duration (inclusive dates in trainee status)
NORTHWESTERN COLLEGE ROSEVILLE, MN	ACTIVE SHOOTER AND BOMB	COML, Comm Unit Leader, Planning	10/22/13 To 10/22/13

The tasks initialed & dated by me have been performed under my supervision in a satisfactory manner by the above named Trainee. I recommend the following for further development of this Trainee

X The individual has successfully performed all tasks for the position and should be considered for certification.

_____ The individual was not able to complete certain tasks (comments below) or additional guidance is required.

_____ Not all tasks were evaluated on this assignment and an additional assignment is needed to complete the evaluation.

_____ The individual is severely deficient in the performance of tasks for the position and needs further training (both required & knowledge and skills needed) prior to additional assignment(s) as a Trainee.

Recommendations: _____

Date: 11/21/14 Evaluator's initials: DS

Evaluator's relevant agency certification or rating: COML

INCIDENT RADIO COMMUNICATIONS PLAN *LAW ENFORCEMENT SENSITIVE*	1. Incident Name/ Location Northwestern University	2. Date/ Time Prepared/ Updated 10/14/13 2349	3. Operational Period Date/ Time 10/22/13 0700-1300

4. Basic Radio Channel & Talk Group Utilization

Radio Type/Cache/ Band - VHF/ 800, etc.	Channel and/or Talk Group Name	Function - LE/ Fire/ EMS/ Pub Wks, Transit, etc.	Frequency/ Tone/ Talk Group ID	Operational Assignment Division, Group, Unit	Remarks Gateway/ Patches/ Portable Repeaters, etc.
ARMER 800 MHZ DIGITAL	RPOOL6	CONTROL		Control/Eval/Safety	Used for admin purposes
ARMER 800 MHZ DIGITAL	RPOOL7	LAW		County Law Central Suburban Law West	Will be used as if it was the county main / west talkgroups
ARMER 800 MHZ DIGITAL	ATAC4 ME TAC8	LAW		Law Branch	RC Units will have to switch to this TG since event will start with MTC police. MTC PD Start incident here.
ARMER 800 MHZ DIGITAL	RPOOL8	FIRE		County Fire West	Will be used as if it was the county west fire talkgroup
ARMER 800 MHZ DIGITAL	RPOOL9	FIRE		Fire Ground / Branch	Fire Ops on this Talkgroup
ARMER 800 MHZ DIGITAL	AMT-TAC3 or AMT-TAC4	EMS		Allina Ambulance	TG TBD on date of exercise
ARMER 800 MHZ DIGITAL	ATAC2 ME TAC6	ALL		Unified Command	
ARMER 800 MHZ DIGITAL	ATAC3 ME TAC7	ALL		Staging	
ARMER 800 MHZ DIGITAL	RPOOL10	TBD			Use as needed.

5. Prepared By
Agency: Ramsey ECC Supervisor / Sliwinski 651-431-1836 COML: _____ Approved By: Sliwinski

6. Continuation Pages
Page Number 1 of 1

VERIFICATION / CERTIFICATION OF COMPLETED TASK BOOK FOR THE POSTION OF TYPE III COML (All Hazards)

Final Evaluator's Verification

I verify that all tasks have been performed and are documented with appropriate initials.

I also verify that Jay Sliwinski **has performed as a trainee and should therefore be considered for certification in this position.**

Final Evaluators Signature U.S. Seal **Date** 12/23/2014

Printed Name Ulysses Seal **Agency** Bloomington Fire Department / MN AHIMT

Highest NIMS Qualification Type 3 IC / NIMS ICS Trainer Type 4 IMTS

Phone Number 952-563-4801 **email address** useal@bloomingtonmn.gov

Compiled training information:

Number and Type of Resources: 20 Uniformed Peace Officers, 24 SWAT team members (Peace Officers), 15 Fire Personnel, 7 EMS Personnel, 6 police reserve officers, 12 community affairs officers, 1 public affairs officer, 3 University security officers, 20 squad cars, 6 fire apparatus, 3 ambulances, 1 command vehicle, bomb squad, , 5 Emergency Management Personnel, Salvation Army personnel and 30 students from campus as role players

Enter the number of resources and types assigned to the incident pertinent to the trainee's task book position.

Duration: 1 day (10/22/2013)

Enter the inclusive dates during which the trainee was evaluated.

Management Level or Fire Complexity Level: Unified Command, Type 3

Indicates ICS organization level, i.e., Type 5, Type 4, Type 3, Type 2, Type 1, Area Command.

Date: 12/22/2014

List the date the record is being completed.

Evaluator's initials: US

Initial here to authenticate your recommendations and to allow for comparison with initials in the Qualification Record.

To be attached to completed Type III COML (All Hazards) Task Book

Attachment D

CITY OF
BLOOMINGTON
MINNESOTA

January 12, 2015

RE: Approval from the MESB TOC & SECB OTC

Jill Rohret
Metropolitan Emergency Service Board
2099 University Ave W
St. Paul, MN 55104

Dear Jill,

The City of Bloomington needs to receive approval from the MESB TOC and SECB OTC to update our Participation Plan that was dated May 27, 2005. We are in the process of replacing our four (4) Motorola Gold Elite consoles to five (5) Motorola MCC7500 in our PSAP dispatch center. Once we have switched to the new MCC7500, we will be able to free up approximately 470 radio IDs that are currently assigned to our consoles. One (1) CCGW will be utilized, five (5) ports will be used, and we will have 3 spare ports for future needs. The range of IDs is from 328500 to 328969. This will happen this year, 2015, sometime in the second quarter. We will also be replacing our Fire Department portable radios this year to the new APX models.

I would like approval to increase our "Approved Radio Quantity" from 400 to 550. At this time we have 449 radios on the system. The Fire Department is planning on adding additional radios in the near future. The City of Bloomington has a block of 1000 radio IDs reserved. It ranges from 329000 to 329999. The radio IDs are assigned ranges by City departments. This was approved in 2005 by Roger Laurence and Al Fjerstad from HCSO Radio.

If you have any questions or concerns, please feel free to contact me.

Sincerely,

BLOOMINGTON POLICE DEPARTMENT
Butch Gillum, Communications Technician
1800 West Old Shakopee Road
Bloomington, MN 55431

Office: 952-563-4934

2014 SHSP Grant Allocation

MESB to receive $277,852.73

Proposed Allocation

Project	**Amount**
Exercises	$6,000
TICP Maintenance (Planning)	$5,000
GTR Class (Training)	$17,500
Interoperability Conference	*$4,500*
Equipment (GTR Base Stations/IP Sim. Licenses)*	$244,852.73
Total	**$277,852.73**

Item in italics was not previously discussed by Radio TOC. It is assumed that the registration fee will be the same as in 2014, with similar hotel rates. At this amount, the MESB could pay registration fee and two nights at single rate of hotel for 20 people to attend this conference, or simply the registration fee for 36 people.

To cover registration and hotel for 25 people $7,625 would be needed. For 30 people, $9,150.

Amounts do not include anything would could be paid for out of SLIGP funds (which would only eligible to use for a portion of the conference expenses).

*The Radio TOC would have to determine exactly how to allocate who would receive these funds/equipment.

Alcohol and Gambling Enforcement

Bureau of Criminal Apprehension

Driver and Vehicle Services

Emergency Communication Networks

Homeland Security and Emergency Management

Minnesota State Patrol

Office of Communications

Office of Justice Programs

Office of Traffic Safety

State Fire Marshal

Emergency Communication Networks

445 Minnesota Street • Suite 137 • Saint Paul, Minnesota 55101-5137
Phone: 651.201.7547 • Fax: 651.296.2665 • TTY: 651.282.6555
www.ecn.state.mn.us

DATE: 1/20/2015

TO: Jill Rohret and MESB Technical Operations Committee

FROM: Jackie Mines, ECN and Tim Lee, MNDOT

SUBJECT: Regional Input for Continued Upgrades to ARMER System

The current Motorola maintenance contract ends in December 2015. Between now and then MNDOT must go out to RFP and negotiate another contract. The terms of the new contract will be a five year contract but the Department of Administration sets it up as a 1 year contract with options to extend for a total of five.

For this RFP and contract negotiation, a determination is needed by the SECB to enter into either a Software Maintenance Agreement (SMA), a Software Upgrade agreement (SUA) or the newer proposed MAP agreement which is designed to pay for the entire upgrade including the hardware costs for 7.19 through an increased monthly charge to all equipment owners. The general consensus of the Strategic Planning Session is to keep the system upgraded rather than to forego all future upgrades. The Finance Committee is in favor of entering into another SUA agreement and requested that ECN proceed with a funding request to the Minnesota Legislature to cover the cost of the state's portion of the 7.19 upgrade as well as a 50% matching grant to the local subsystem owners that are affected by this upgrade.

In order for ECN to have a firm number to present in the budget request, the matching grant will cover specific hardware items that are required by the upgrade for each participant. In preparation for that discussion, Tim Lee and Motorola prepared a detailed document that details the specific amount of equipment needed by each agency. This information has been presented to all subsystem owners.

I am requesting that the MESB TOC respond back to the following items:

1) The subsystem owners are in agreement with the equipment list.
2) The MESB TOC is in favor of continuing with the SUA agreement over the next five years.

Every upgrade will also have a list of features and changes affected by the upgrade. This is not yet available from Motorola. Once that information is available, the change management process will continue.

Regards,

Jackie Mines

Jackie Mines, Director

Emergency Communication Networks

Motorola SUAII Cost shares for Calendar year 2015

Contract Total: $5,674,912.00

MESB	
Agency	**Infrastructure SMA cost**
MESB	$0.00
Anoka County	$77,797.69
Carver County	$26,253.86
Chisago County	$55,563.90
Dakota County	$83,240.87
Hennepin County	$264,181.75
HCGC- Consoles	$3,290.64
Isanti County	$7,051.58
Ramsey County	$108,244.37
Scott County	$55,891.59
Washington County	$111,008.51
Minneapolis	$66,125.50
Metro Transit	$14,728.38
HCMC	$4,419.06
MRCC East	$1,951.08
Richfield	$0.00
Edina	$2,773.74
Hopkins	$0.00
Minnetonka	$2,773.74
MAC	$17,064.73
Ridgeview	$3,596.40
St Louis Park	$2,773.74
White Bear Lake	$1,951.08
Bloomington	$3,596.40
Eden Prairie	$17,770.85
U of M	$2,019.63
Total	$934,069.09

S

ARMER NETWORK LIFECYCLE FINANCIAL PLAN Updated 8.2.12

ARMER UPGRADE CADENCE	7.9- 7.13		7.13-7.15		7.15-7.17		7.17-7.19		7.19-7.21		
Fiscal Year	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**Total**
Support and Maintain											
Technical Support											
Dedicated FSO	$ 1,107,703	$ 1,247,312	$ 1,059,494	$ 1,091,278	$ 1,124,017	$ 1,157,737	$ 1,192,469	$ 1,228,243	$ 1,265,091	$ 1,303,044	**$ 11,776,388**
Security Update Service											
Support and Maintain Subtotal	**$ 1,107,703**	**$ 1,247,312**	**$ 1,059,494**	**$ 1,091,278**	**$ 1,124,017**	**$ 1,157,737**	**$ 1,192,469**	**$ 1,228,243**	**$ 1,265,091**	**$ 1,303,044**	**$ 11,776,388**

Technology Refresh											
Upgrade Schedule	**7.9- 7.13**		**7.13-7.15**		**7.15-7.17**		**7.17-7.19**		**7.19-7.21**		
Via SMA											
Software	$ 2,832,500	$ 2,832,500	$ 2,832,500	$ 2,832,500	$ 2,832,500	$ 2,832,500	$ 2,832,500	$ 2,832,500	$ 2,832,500	$ 2,832,500	$ 28,325,000
*Hardware refresh + Implementation**	*$ 5,923,405*		*$ 6,315,205*		*$ 5,923,405*		*$ 6,315,205*		*$ 5,923,405*		
2013 price includes GPIOM to VPM Console upgrade											
SMA Total	**$ 8,755,905**	**$ 2,832,500**	**$ 9,147,705**	**$ 2,832,500**	**$ 8,755,905**	**$ 2,832,500**	**$ 9,147,705**	**$ 2,832,500**	**$ 8,755,905**	**$ 2,832,500**	**$ 58,725,625**

Via SUA II											
Software	*included*	*included*	*included*	*included*	*included*	*included*	*included*	*included*	*included*	*included*	
Hardware refresh + Implementation	*included*	*included*	*included*	*included*	*included*	*included*	*included*	*included*	*included*	*included*	
GPIOM to VPM & future Console upgrades	*included*	*included*	*included*	*included*	*included*	*included*	*included*	*included*	*included*	*included*	
SUA II Total	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 42,000,000**

Proposed Lifecycle											
SUA (2013 only)	**$ 2,832,500**										
SUA II 2014-2022		**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 4,200,000**	**$ 40,632,500**
Proposed Grand Total	**$ 3,940,203**	**$ 5,447,312**	**$ 5,259,494**	**$ 5,291,278**	**$ 5,324,017**	**$ 5,357,737**	**$ 5,392,469**	**$ 5,428,243**	**$ 5,465,091**	**$ 5,503,044**	**$ 52,408,888**

Grand Total - Via SMA	**$9,863,608**	**$4,079,812**	**$10,207,199**	**$3,923,778**	**$9,879,922**	**$3,990,237**	**$10,340,174**	**$4,060,743**	**$10,020,996**	**$4,135,544**	**$70,502,013**
Grand Total - Via SUA II	**$5,307,703**	**$5,447,312**	**$5,259,494**	**$5,291,278**	**$5,324,017**	**$5,357,737**	**$5,392,469**	**$5,428,243**	**$5,465,091**	**$5,503,044**	**$53,776,388**

*** This information is intended for planning and budgeting purposes only. Exact quotes to be developed at time of contract.**

	Equipment only cost estimates to upgrade to GTR8000 stations and convert to IP based simulcast											
	Revised and final as of Jan 1, 2015											
			# Quantars	# STR 3000	# STR 3000							
		# sites		State	Others	Channels						
1	Bear Valley	3		0	0	6	State Cost	$500,505.00		$0.00		
2	City Center	3		0	0	24	State Cost	$864,885.00		$0.00		
3	Itasca	11		0	0	8	State Cost	$876,837.00	Itasca Cost	$0.00		
4	St Cloud	3		11	13	10	State Cost	$681,999.00	St Cloud Cost	$352,536.00		
5	Enfield	8		0	0	11	State Cost	$496,335.00	Sherburne Cost	$191,766.00	Wright Cost	$182,964.00
6	Olmsted	5		20	35	11	State Cost	$928,833.00	Olmsted Cost	$874,290.00		
7	Zumbrota	9		0	8	8	State Cost	$555,864.00	Goodhue Cost	$404,772.00		
8	NorthBranch	9		0	6	11	State Cost	$575,949.00	Isanti Cost	$106,548.00	Chisago Cost	$373,260.00
9	Anoka	10		20	120	16	State Cost	$977,271.00	Anoka Cost	$3,286,380.00		
10	Washington(Hastings)	14		0	0	16	State Cost	$686,397.00	Washington Cost	$897,750.00		
11	Henn West	7		0	56	16	State Cost	$632,121.00	Hennepin Cost	$1,592,790.00		
12	Norwood	11		20	34	15	State Cost	$1,146,765.00	Carver Cost	$866,868.00	Scott Cost	$420,204.00
13	Dakota	10		63	72	16	State Cost	$1,786,711.50	Dakota Cost	$2,212,909.50		
14	Henn East	11		0	263	24	State Cost	$0.00	Hennepin Cost	$7,149,327.00		
15	Ramsey	7		0	140	21	State Cost	$0.00	Ramsey Cost	$4,039,978.00		
16	Minneapolis	4		0	80	20	State Cost	$0.00	Minneapolis Cost	$2,495,229.00		
17	Stearns County ASR	4	24				State Cost	$0.00	Stearns Cost	$537,464.80		
18	Henn SATCOW	1	8				State Cost	$0.00	Hennepin Cost	$187,447.20		
							State Total	**$10,710,472.50**	**Other Agency Total**	**$25,196,055.50**		
							System Total:	**$35,906,528.00**				

Regional-Anoka Subsystem (Lino)

State Infrastructure (MnDOT responsibility)

Anoka County Owned equipment - maintenance responsibility

CH15	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH14	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH13	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH12	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH11	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH10	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH9	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH8	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH7	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH6	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH5	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH4	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH3	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH 2	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH 1	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
	Lino	Bethel	Stacy	Ramsey	Ham Lake	Stinson	Blaine	B108	DNR	Andover

		State Qty	State Total	Anoka QTY	Anoka Total
GTR 8000 Replacement Kit Cost	$20,358.00	20	$407,160.00	130	$2,646,540.00
IP Prime Site Controller	$419,151.00	1	$419,151.00	0	$0.00
IP SIM Software upgrade per Station	$4,134.00	20	$82,680.00	130	$537,420.00
IP Network equipment per RF site	$17,070.00	4	$68,280.00	6	$102,420.00
		STATE:	$977,271.00	**Anoka:**	$3,286,380.00

Equipment only, no install or program management costs

State Infrastructure (MnDOT responsibility)

	City Center	HCGC	Pointe Building
CH24	GTR8000	GTR8000	GTR8000
CH23	GTR8000	GTR8000	GTR8000
CH22	GTR8000	GTR8000	GTR8000
CH21	GTR8000	GTR8000	GTR8000
CH20	GTR8000	GTR8000	GTR8000
CH19	GTR8000	GTR8000	GTR8000
CH18	GTR8000	GTR8000	GTR8000
CH17	GTR8000	GTR8000	GTR8000
CH16	GTR8000	GTR8000	GTR8000
CH15	GTR8000	GTR8000	GTR8000
CH14	GTR8000	GTR8000	GTR8000
CH13	GTR8000	GTR8000	GTR8000
CH12	GTR8000	GTR8000	GTR8000
CH11	GTR8000	GTR8000	GTR8000
CH10	GTR8000	GTR8000	GTR8000
CH9	GTR8000	GTR8000	GTR8000
CH8	GTR8000	GTR8000	GTR8000
CH 7	GTR8000	GTR8000	GTR8000
CH 6	GTR8000	GTR8000	GTR8000
CH5	GTR8000	GTR8000	GTR8000
CH4	GTR8000	GTR8000	GTR8000
CH3	GTR8000	GTR8000	GTR8000
CH 2	GTR8000	GTR8000	GTR8000
CH 1	GTR8000	GTR8000	GTR8000

		State Qty	State Total
GTR 8000 Replacement Kit Cost	$20,358.00	0	$0.00
IP Prime Site Controller	$516,027.00	1	$516,027.00
IP SIM Software upgrade per Station	$4,134.00	72	$297,648.00
IP Network equipment per RF site	$17,070.00	3	$51,210.00
		STATE:	$864,885.00

Equipment only, no install or program management costs

Regional-Dakota Subsystem

Dakota Owned but by agreement Regional (Mn/DOT) maintenance responsibility.

Dakota County Owned equipment - maintenance responsibility

	Empire	Arbor Pointe	Buck Hill	Fairfield	Hastings	Marie	Palomino	Sperry	Verizon	Welch
CH16	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH15	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH14	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH13	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH12	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH11	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH10	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH9	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH8	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH7	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH6	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH5	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH4	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH3	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH 2	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH 1	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000

		State Qty	State Total	Dakota QTY	Dakota Total
GTR 8000 Replacement Kit Cost	$20,358.00	63	$1,282,554.00	72	$1,465,776.00
IP Prime Site Controller	$419,151.00	0.5	$209,575.50	0.5	$209,575.50
IP SIM Software upgrade per Station	$4,134.00	63	$260,442.00	97	$400,998.00
IP Network equipment per RF site	$17,070.00	2	$34,140.00	8	$136,560.00
		STATE:	$1,786,711.50	**Dakota:**	$2,212,909.50

Equipment only, no install or program management costs

State Infrastructure (MnDOT responsibility)

Hennepin County Owned equipment - maintenance responsibility

CH24	GTR8000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH23	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH22	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH21	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH20	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH19	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH18	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH17	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH16	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH15	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH14	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH13	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH12	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH11	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH10	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH9	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH8	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH7	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH6	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH5	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH4	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH3	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH2	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH1	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
	City Center	HCGC	Naper St	Glen Lake	Bloomington	Health East	MAC	Parkers lake	Shakopee	Bramer Park	Brooklyn Park

Hennepin East

** Quantity needs to be verified

		Hennepin QTY	Hennepin Total
GTR 8000 Replacement Kit Cost	$20,358.00	263 **	$5,354,154.00
IP Prime Site Controller	$516,027.00	1	$516,027.00
IP SIM Software upgrade per Station	$4,134.00	264	$1,091,376.00
IP Network equipment per RF site	$17,070.00	11	$187,770.00
		Hennepin:	$7,149,327.00

State Infrastructure (MnDOT responsibility)

Hennepin County Owned equipment - maintenance responsibility

CH16	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH15	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH14	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH13	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH12	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH11	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH10	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH9	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH8	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH7	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH6	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000
CH5	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH4	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH3	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH 2	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH 1	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
	Burschville	Anoka	Maple Plaine	Medina	Minnetrista	Rogers	Glen Lake	Rockford

Prime Site CTRL

Regional - Hennepin West

** Quantity needs to be verified

		State Qty	State Total	Hennepin QTY	Hennepin Total
GTR 8000 Replacement Kit Cost	$20,358.00	0	$0.00	56 **	$1,140,048.00
IP Prime Site Controller	$419,151.00	1	$419,151.00	0	$0.00
IP SIM Software upgrade per Station	$4,134.00	35	$144,690.00	93	$384,462.00
IP Network equipment per RF site	$17,070.00	4	$68,280.00	4	$68,280.00
		STATE:	$632,121.00	**Hennepin:**	$1,592,790.00

Equipment only, no install or program management costs

City of Minneapolis Owned equipment - maintenance responsibility

	City Center	HCGC	Horn Tower	Lowry
CH20	LSS3000	LSS3000	LSS3000	LSS3000
CH19	LSS3000	LSS3000	LSS3000	LSS3000
CH18	LSS3000	LSS3000	LSS3000	LSS3000
CH17	LSS3000	LSS3000	LSS3000	LSS3000
CH16	LSS3000	LSS3000	LSS3000	LSS3000
CH15	LSS3000	LSS3000	LSS3000	LSS3000
CH14	LSS3000	LSS3000	LSS3000	LSS3000
CH13	LSS3000	LSS3000	LSS3000	LSS3000
CH12	LSS3000	LSS3000	LSS3000	LSS3000
CH11	LSS3000	LSS3000	LSS3000	LSS3000
CH10	LSS3000	LSS3000	LSS3000	LSS3000
CH9	LSS3000	LSS3000	LSS3000	LSS3000
CH8	LSS3000	LSS3000	LSS3000	LSS3000
CH7	LSS3000	LSS3000	LSS3000	LSS3000
CH6	LSS3000	LSS3000	LSS3000	LSS3000
CH5	LSS3000	LSS3000	LSS3000	LSS3000
CH4	LSS3000	LSS3000	LSS3000	LSS3000
CH3	LSS3000	LSS3000	LSS3000	LSS3000
CH2	LSS3000	LSS3000	LSS3000	LSS3000
CH1	LSS3000	LSS3000	LSS3000	LSS3000

		Mpls QTY	Mpls Total
GTR 8000 Replacement Kit Cost	$20,358.00	80	$1,628,640.00
IP Prime Site Controller	$467,589.00	1	$467,589.00
IP SIM Software upgrade per Station	$4,134.00	80	$330,720.00
IP Network equipment per RF site	$17,070.00	4	$68,280.00
		Mpls:	$2,495,229.00

Regional-Isanti-Chisago (North Branch)

State Infrastructure (MnDOT responsibility)

Isanti County Owned equipment - maintenance responsibility

Chisago County Owned equipment - maintenance responsibility

CH11	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH10	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH9	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH8	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH7	LSS3000?	LSS3000?	LSS3000?	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH6	LSS3000?	LSS3000?	LSS3000?	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH5	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH4	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH3	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH 2	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH 1	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
	Cambridge	North Branch	St Croix Falls	Rush City	Day	Stacy	Center City	Fish Lake	Almelund

		State Qty	**State Total**	**Chisago QTY**	**Chisago Total**	**Isanti QTY**	**Isanti Total**
GTR 8000 Replacement Kit Cost	$20,358.00	0	$0.00	3	$61,074.00	3	$61,074.00
IP Prime Site Controller	$370,713.00	1	$370,713.00	0	$0.00	0	$0.00
IP SIM Software upgrade per Station	$4,134.00	29	$119,886.00	59	$243,906.00	11	$45,474.00
IP Network equipment per RF site	$17,070.00	5	$85,350.00	4	$68,280.00	0	$0.00
		STATE:	$575,949.00	**Chisago:**	$373,260.00	**Isanti:**	$106,548.00

Equipment only, no install or program management costs

Jill's note: I believe both counties have purchased the GTR base stations and the estimates can be reduced by $61,074.00 each.

Expand Regional Norwood Subsystem to include Scott County

Scott County Infrastructure additions (Mn/DOT - maintenance/utility responsibility) as agreed to 9/28/07

State Owned Equipment Mn/DOT-maintenance and operating

Carver County additions - Carver County resonsible for Maintenance and operating costs

Scott County Owned Additions- maintenance operating responsibilty

CH16	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH15	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH14	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH13	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH12	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH11	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH10	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH9	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH8	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH7	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH6	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH5	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH4	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH3	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH 2	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH 1	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
	Norwood	Minnetrista	Hollywood	Chanhassen	Belle Plain	Shakopee	Jordan	New Prague	Savage	Prior Lake	New Market

Site physically located in Carver County

Sites physcally located in Scott County

		State Qty	State Total	Carver QTY	Carver Total	Scott QTY	Scott Total
GTR 8000 Replacement Kit Cost	$20,358.00	20	$407,160.00	34	$692,172.00	0	$0.00
IP Prime Site Controller	$419,151.00	1	$419,151.00	0	$0.00	0	$0.00
IP SIM Software upgrade per Station	$4,134.00	61	$252,174.00	34	$140,556.00	81	$334,854.00
IP Network equipment per RF site	$17,070.00	4	$68,280.00	2	$34,140.00	5	$85,350.00
			STATE: $1,146,765.00		**Carver:** $866,868.00		**Scott:** $420,204.00

Equipment only, no install or program management costs

Ramsey County Owned equipment - maintenance responsibility

CH22	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH21	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH20	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH19	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH18	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH17	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH16	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH15	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH14	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH13	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH12	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH11	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH10	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH9	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH8	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH7	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH6	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH5	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH4	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH3	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH2	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
CH1	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000	LSS3000
	Arden Hills	White Bear Lake	Pointe Building	Biosciences Bldg			

		Ramsey QTY	**Ramsey Total**
GTR 8000 Replacement Kit Cost	$20,358.00	140	$2,850,120.00
IP Prime Site Controller	$491,608.00	1	$491,608.00
IP SIM Software upgrade per Station	$4,134.00	140	$578,760.00
IP Network equipment per RF site	$17,070.00	7	$119,490.00
		Ramsey:	$4,039,978.00

Qty.	Model	Description	APC	APC Disc	List Price	Total Price	Disc Price	Total Price
1	T7039	GTR 8000 BASE RADIO	112	22%	$ 6,000.00	$ 6,000.00	$ 4,680.00	$ 4,680.00
1	CA00855AA	ADD: 700/800 MHZ MID POWER	112	22%	$ 6,300.00	$ 6,300.00	$ 4,914.00	$ 4,914.00
1	CA00025AF	ADD: CIRCUIT BASED MULTISITE BASE RADIO SOF	112	22%	$ 13,700.00	$ 13,700.00	$ 10,686.00	$ 10,686.00
1	CA01400AA	ADD: POWER CABLE, DC	112	22%	$ -	$ -	$ -	$ -
1	CA00951AA	ADD: STR 3000 RETROFIT HARDWARE	112	22%	$ 50.00	$ 50.00	$ 39.00	$ 39.00
1	X153AW	ADD: RACK MOUNT HARDWARE	112	22%	$ 50.00	$ 50.00	$ 39.00	$ 39.00

Station Total	$	**20,358.00**
IP SIM Software per Station		**$4,134.00**

Regional-Washington Subsystem (Hastings)

State Infrastructure (MnDOT responsibility)

Washington County Owned equipment - maintenance responsibility

	Hastings	Basswood Grove	St Paul Park	Scandia	King	Afton	Hudson Rd	Somerset	Mahtomedi	Hanley	Valley Creek	Hugo	Newport	Forest Lake
CH16	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH15	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH14	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH13	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH12	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH11	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH10	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH9	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH8	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH7	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH6	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH5	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH4	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH3	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH 2	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000
CH 1	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000	GTR8000

		State Qty	State Total	Washington QTY	Washington Total
GTR 8000 Replacement Kit Cost	$20,358.00	0	$0.00	0	$0.00
IP Prime Site Controller	$419,151.00	1	$419,151.00	0	$0.00
IP SIM Software upgrade per Station	$4,134.00	44	$181,896.00	180	$744,120.00
IP Network equipment per RF site	$17,070.00	5	$85,350.00	9	$153,630.00
		STATE:	$686,397.00	**Washington:**	$897,750.00

Equipment only, no install or program management costs

Prime IP Based Simulcast Site (assume control of 3 sites of 10 channels, no RF site eq)
Prime Site - Assume AC distribution circuits available
Prime Site - Assume transport, antennas, lines and battery backup provided by others

Qty.	Model	Description	APC	APC Disc	List Price	Total Price	Disc Price	Total Price
1	T7321	GCM 8000 COMPARATOR	112	22%	$ 3,000.00	$ 3,000.00	$ 2,340.00	$ 2,340.00
2	CA01183AA	ADD: GCM 8000 COMPARATOR	112	22%	$ 5,000.00	$ 10,000.00	$ 3,900.00	$ 7,800.00
2	CA01185AA	ADD: IP BASED MULTISITE OPERATION	112	22%	$ 9,000.00	$ 18,000.00	$ 7,020.00	$ 14,040.00
1	X153AW	ADD: RACK MOUNT HARDWARE	112	22%	$ 50.00	$ 50.00	$ 39.00	$ 39.00
1	T7321	GCM 8000 COMPARATOR	112	22%	$ 3,000.00	$ 3,000.00	$ 2,340.00	$ 2,340.00
2	CA01183AA	ADD: GCM 8000 COMPARATOR	112	22%	$ 5,000.00	$ 10,000.00	$ 3,900.00	$ 7,800.00
2	CA01185AA	ADD: IP BASED MULTISITE OPERATION	112	22%	$ 9,000.00	$ 18,000.00	$ 7,020.00	$ 14,040.00
1	X153AW	ADD: RACK MOUNT HARDWARE	112	22%	$ 50.00	$ 50.00	$ 39.00	$ 39.00
1	T7321	GCM 8000 COMPARATOR	112	22%	$ 3,000.00	$ 3,000.00	$ 2,340.00	$ 2,340.00
2	CA01183AA	ADD: GCM 8000 COMPARATOR	112	22%	$ 5,000.00	$ 10,000.00	$ 3,900.00	$ 7,800.00
2	CA01185AA	ADD: IP BASED MULTISITE OPERATION	112	22%	$ 9,000.00	$ 18,000.00	$ 7,020.00	$ 14,040.00
1	X153AW	ADD: RACK MOUNT HARDWARE	112	22%	$ 50.00	$ 50.00	$ 39.00	$ 39.00
1	T7321	GCM 8000 COMPARATOR	112	22%	$ 3,000.00	$ 3,000.00	$ 2,340.00	$ 2,340.00
2	CA01183AA	ADD: GCM 8000 COMPARATOR	112	22%	$ 5,000.00	$ 10,000.00	$ 3,900.00	$ 7,800.00
2	CA01185AA	ADD: IP BASED MULTISITE OPERATION	112	22%	$ 9,000.00	$ 18,000.00	$ 7,020.00	$ 14,040.00
1	X153AW	ADD: RACK MOUNT HARDWARE	112	22%	$ 50.00	$ 50.00	$ 39.00	$ 39.00
1	T7038	GCP 8000 SITE CONTROLLER	112	22%	$ 3,000.00	$ 3,000.00	$ 2,340.00	$ 2,340.00
1	CA00303AA	ADD: QTY (1) SITE CONTROLLER	112	22%	$ 5,000.00	$ 5,000.00	$ 3,900.00	$ 3,900.00
1	CA01194AA	ADD: IP BASED MULTISITE SITE CONTROLLER SOFTWARI	112	22%	$ 60,000.00	$ 60,000.00	$ 46,800.00	$ 46,800.00
1	X153AW	ADD: RACK MOUNT HARDWARE	112	22%	$ 50.00	$ 50.00	$ 39.00	$ 39.00
1	T7038	GCP 8000 SITE CONTROLLER	112	22%	$ 3,000.00	$ 3,000.00	$ 2,340.00	$ 2,340.00
1	CA00303AA	ADD: QTY (1) SITE CONTROLLER	112	22%	$ 5,000.00	$ 5,000.00	$ 3,900.00	$ 3,900.00
1	CA01194AA	ADD: IP BASED MULTISITE SITE CONTROLLER SOFTWARI	112	22%	$ 60,000.00	$ 60,000.00	$ 46,800.00	$ 46,800.00
1	X153AW	ADD: RACK MOUNT HARDWARE	112	22%	$ 50.00	$ 50.00	$ 39.00	$ 39.00
2	ST6000	S6000 MNR MULTI-PROTOCOL ROUTER	147	10%	$ 15,995.00	$ 31,990.00	$ 14,395.50	$ 28,791.00
2	ST6010	S6000 4-PORT ULTRAWAN MODULE	147	10%	$ 3,000.00	$ 6,000.00	$ 2,700.00	$ 5,400.00
1	ST6201	SRC 24 PORT T1/E1 EXPANSION	147	10%	$ 75,000.00	$ 75,000.00	$ 67,500.00	$ 67,500.00
2	T7380	MOTOROLA CO-OP WAN ROUTER RELAY PANEL	147	10%	$ 7,500.00	$ 15,000.00	$ 6,750.00	$ 13,500.00
2	CLN1836	MOTOROLA 2610-24 ETHERNET SWITCH	147	10%	$ 2,250.00	$ 4,500.00	$ 2,025.00	$ 4,050.00

Prime Site Total **$ 322,275.00**

Number of Comparitors (Even Number, Comes in groups of 2)

Add Comp (2 CH) $ 24,219.00

8	$ 322,275.00
10	$ 346,494.00
12	$ 370,713.00
14	$ 394,932.00
16	$ 419,151.00
18	$ 443,370.00
20	$ 467,589.00
22	$ 491,808.00
24	$ 516,027.00

Qty.	Model	Description	APC	APC Disc	List Price	Total Price	Disc Price	Total Price
2	SQM01SUM0205	GGM 8000 GATEWAY	147	10%	$ 4,200.00	$ 8,400.00	$ 3,780.00	$ 7,560.00
2	CA01616AA	ADD: AC POWER	147	10%	$ -	$ -	$ -	$ -
2	CLN1836	2610-24 ETHERNET SWITCH	147	10%	$ 2,250.00	$ 4,500.00	$ 2,025.00	$ 4,050.00
1	T7140	G-SERIES SOFTWARE UPGRADES	112	22%	$ -	$ -	$ -	$ -
0	CA01195AA	ADD : TRUNKING IP BASED MULTISITE (SIMULCAST/VOTING) BASE F	595	22%	$5,300.00	$ -	$ 4,134.00	$ -
2	DLN6677	FRU: G-SERIES XHUB	112	22%	$ 3,500.00	$ 7,000.00	$ 2,730.00	$ 5,460.00
					Per site Total			**$ 17,070.00**

MNDOT 6 Channel ASR

Equipment List
December 3, 2014

Equip Type	Item Num	Total Qty	Nomenclature	Description	Unit List	Total List	APC	Discount	Unit Discount	Ext. Discount
NETWORK	1	2	SQM01SUM0205	GGM 8000 GATEWAY	$ 4,200.00	$ 8,400.00	147	10%	$ 3,780.00	$ 7,560.00
NETWORK	1a	2	CA01616AA	ADD: AC POWER	$ -	$ -	147	10%	$ -	$ -
GTR8000	2	1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM	$ 6,000.00	$ 6,000.00	112	30%	$ 4,200.00	$ 4,200.00
GTR8000	2a	1	CA00855AA	ADD: 700/800 MHZ	$ 6,300.00	$ 6,300.00	112	30%	$ 4,410.00	$ 4,410.00
GTR8000	2b	1	X306AC	ADD: QTY (5) GTR 8000 BASE RADIOS	$ 71,400.00	$ 71,400.00	112	30%	$ 49,980.00	$ 49,980.00
GTR8000	2c	6	X591AE	ENH: ASTRO 25 SITE REPEATER SW	$ 10,700.00	$ 64,200.00	112	30%	$ 7,490.00	$ 44,940.00
GTR8000	2d	1	CA00862AA	ADD: SITE & CABINET RMC W/CAPABILITY OF 7-24 BRS	$ 2,100.00	$ 2,100.00	112	30%	$ 1,470.00	$ 1,470.00
GTR8000	2e	1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER	$ 8,400.00	$ 8,400.00	112	30%	$ 5,880.00	$ 5,880.00
GTR8000	2f	1	CA00883AA	ADD: 800 MHZ TX FILTER W/PMU	$ 1,000.00	$ 1,000.00	112	30%	$ 700.00	$ 700.00
GTR8000	2g	2	CA00303AA	ADD: QTY (1) SITE CONTROLLER	$ 5,000.00	$ 10,000.00	112	30%	$ 3,500.00	$ 7,000.00
GTR8000	2h	2	CA02212AA	ADD: ASTRO 25 SITE REPEATER SITE CONTROLLER SOFTWARE VOICE ONLY	$ 5,000.00	$ 10,000.00	112	30%	$ 3,500.00	$ 7,000.00
GTR8000	2i	1	CA02686AA	ADD: AC DC POWER DISTRIBUTION	$ -	$ -	112	30%	$ -	$ -
GTR8000	2j	1	CA00293AA	ADD: 43RU SCHROFF CABINET	$ 880.00	$ 880.00	112	30%	$ 616.00	$ 616.00
GTR8000	2k	2	CA00027AC	ADD: FRONT/BACK, LOUVERED	$ 225.00	$ 450.00	112	30%	$ 157.50	$ 315.00
SURGE	3	2	DSTSJ48CLT	SPD, RJ-45 OR HARDWARE CONNECTED FOR T1/E1, PROTETS 4 WIRES	$ 120.00	$ 240.00	207	10%	$ 108.00	$ 216.00
SURGE	4	1	DSTSJADP	RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATE SPDS	$ 88.00	$ 88.00	207	10%	$ 79.20	$ 79.20

ASR Site Equipment Total **$ 189,458.00** **Bid Price $ 134,366.20**

MNDOT 8 Channel ASR

Equipment List
December 3, 2014

Equip Type	Item Num	Total Qty	Nomenclature	Description	Unit List	Total List	APC	Discount	Unit Discount	Ext. Discount
NETWORK	1	2	SQM01SUM0205	GGM 8000 GATEWAY	$ 4,200.00	$ 8,400.00	147	10%	$ 3,780.00	$ 7,560.00
NETWORK	1a	2	CA01616AA	ADD: AC POWER	$ -	$ -	147	10%	$ -	$ -
GTR8000	2	1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM	$ 6,000.00	$ 6,000.00	112	30%	$ 4,200.00	$ 4,200.00
GTR8000	2a	1	CA00855AA	ADD: 700/800 MHZ	$ 6,300.00	$ 6,300.00	112	30%	$ 4,410.00	$ 4,410.00
GTR8000	2b	1	X304AE	ADD: QTY (5) GTR 8000 BASE RADIOS	$ 47,600.00	$ 47,600.00	112	30%	$ 33,320.00	$ 33,320.00
GTR8000	2c	4	X591AE	ENH: ASTRO 25 SITE REPEATER SW	$ 10,700.00	$ 42,800.00	112	30%	$ 7,490.00	$ 29,960.00
GTR8000	2d	1	CA00862AA	ADD: SITE & CABINET RMC W/CAPABILITY OF 7-24 BRS	$ 2,100.00	$ 2,100.00	112	30%	$ 1,470.00	$ 1,470.00
GTR8000	2e	1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER	$ 8,400.00	$ 8,400.00	112	30%	$ 5,880.00	$ 5,880.00
GTR8000	2f	1	CA00883AA	ADD: 800 MHZ TX FILTER W/PMU	$ 1,000.00	$ 1,000.00	112	30%	$ 700.00	$ 700.00
GTR8000	2g	2	CA00303AA	ADD: QTY (1) SITE CONTROLLER	$ 5,000.00	$ 10,000.00	112	30%	$ 3,500.00	$ 7,000.00
GTR8000	2h	2	CA02212AA	ADD: ASTRO 25 SITE REPEATER SITE CONTROLLER SOFTWARE VOICE ONLY	$ 5,000.00	$ 10,000.00	112	30%	$ 3,500.00	$ 7,000.00
GTR8000	2i	1	CA02686AA	ADD: AC DC POWER DISTRIBUTION	$ -	$ -	112	30%	$ -	$ -
GTR8000	2j	1	CA00293AA	ADD: 43RU SCHROFF CABINET	$ 880.00	$ 880.00	112	30%	$ 616.00	$ 616.00
GTR8000	2k	2	CA00027AC	ADD: FRONT/BACK, LOUVERED	$ 225.00	$ 450.00	112	30%	$ 157.50	$ 315.00
GTR8000	3	1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM	$ 6,000.00	$ 6,000.00	112	30%	$ 4,200.00	$ 4,200.00
GTR8000	3a	1	CA00855AA	ADD: 700/800 MHZ	$ 6,300.00	$ 6,300.00	112	30%	$ 4,410.00	$ 4,410.00
GTR8000	3b	1	X304AE	ADD: QTY (5) GTR 8000 BASE RADIOS	$ 47,600.00	$ 47,600.00	112	30%	$ 33,320.00	$ 33,320.00
GTR8000	3c	4	X591AE	ENH: ASTRO 25 SITE REPEATER SW	$ 10,700.00	$ 42,800.00	112	30%	$ 7,490.00	$ 29,960.00
GTR8000	3d	1	CA00877AA	ADD: CABINET RMC FOR EXPANSION RACK	$ 600.00	$ 600.00	112	30%	$ 420.00	$ 420.00
GTR8000	3e	1	CA00880AA	ADD: EXPANSION 6 CAVITY COMBINER	$ 8,400.00	$ 8,400.00	112	30%	$ 5,880.00	$ 5,880.00
GTR8000	3f	1	CA01058AA	ADD: 700/800 PHASING HARNESS	$ 1,000.00	$ 1,000.00	112	30%	$ 700.00	$ 700.00
GTR8000	3g	2	CA00884AA	ADD: QTY (1) XHUB	$ 3,500.00	$ 7,000.00	112	30%	$ 2,450.00	$ 4,900.00
GTR8000	3i	1	CA02686AA	ADD: AC DC POWER DISTRIBUTION	$ -	$ -	112	30%	$ -	$ -
GTR8000	3j	1	CA00293AA	ADD: 43RU SCHROFF CABINET	$ 880.00	$ 880.00	112	30%	$ 616.00	$ 616.00
GTR8000	3k	2	CA00027AC	ADD: FRONT/BACK, LOUVERED	$ 225.00	$ 450.00	112	30%	$ 157.50	$ 315.00
SURGE	4	2	DSTSJ48CLT	SPD, RJ-45 OR HARDWARE CONNECTED FOR T1/E1, PROTETS 4 WIRES	$ 120.00	$ 240.00	207	10%	$ 108.00	$ 216.00
SURGE	5	1	DSTSJADP	RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATE SPDS	$ 88.00	$ 88.00	207	10%	$ 79.20	$ 79.20

ASR Site Equipment Total **$ 265,288.00** **Bid Price $ 187,447.20**

Jill Rohret

From: Jansen, Ron <Ron.Jansen@CO.DAKOTA.MN.US>
Sent: Tuesday, January 20, 2015 10:11 AM
To: Jill Rohret
Subject: Metro TOC Agenda Item?

Good Morning,

In discussions with some of the other regional partners I have been asking about the need and or direction of the Metro IOSC. As this is a sub-committee of the TOC I was wondering if we could put this groups charter and direction on the agenda for discussion. The group represents a very good cross section of participants, probably too large of a group. With the lack of agenda items there has been a significant number of meetings canceled lately and I am afraid people are losing interest or filling their calendars with other appointments. I am all for keeping the group going if it makes sense, I just don't want to have meetings just to have meetings. Again as this is a sub-group of the TOC as a whole I would like input from the group prior to our potential March meeting.

Thoughts?

Best Regards,
Ron

Ron Jansen
Dakota County
Radio System Coordinator \ Risk Management, MN Certified COML & MN Certified COMT
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"The only place where success comes before work is in a dictionary."