THE CORPORATION OF THE TOWNSHIP OF HORTON

PROTECTIVE SERVICES COMMITTEE

May 18th, 2023
5:00 p.m.

1. Call to Order
2. Declaration of Pecuniary Interest
3. Minutes from Previous Meeting
   i. March 16, 2023 **PG.2**
4. Fire Chiefs Report and Update **PG.4**
5. Staff/Committee Members Concerns
6. New Business
7. Next Meeting Date
   i. July 20th, 2023 – 5:00 p.m.
8. Adjournment

RETURN TO AGENDA

THE CORPORATION OF THE TOWNSHIP OF HORTON

Protective Services Committee Meeting

March 16th, 2023
5:00 p.m.

There was a Meeting of the Protective Services Committee held on Thursday March 16th, 2023, in the Horton Council Chambers. Present was Chair Daina Proctor, Mayor David Bennett, and Councillor Glen Campbell. Staff present was Fire Chief Allan Cole, Deputy Fire Chief Mike Fortier, and CAO/Clerk Hope Dillabough, and Executive Assistant Nichole Dubeau - Recording Secretary

Public Advisory Member Spencer Hopping sent his regrets.

1. CALL TO ORDER
Chair Proctor called the meeting to order at 5:00 p.m.

2. DECLARATION OF PECUNIARY INTEREST
There was no declaration of pecuniary interest expressed by Members of the Committee.

3. MINUTES FROM PREVIOUS MEETING

i) September 15th, 2022

Moved by Councillor Campbell
Seconded by Chair Proctor
THAT the Protective Services Committee accept the Minutes of September 15th, 2022.

Carried

4. MLES PRESENTATION

Jim and Darla McBain, and Allison Cosier from Municipal Law Enforcement Services were present.

Mr. McBain presented for the Committee. He highlighted on the services that are provided to the Township and how they have updated their technology to better serve each municipality and their needs. There was committee discussion regarding processes and response time. Mr. McBain suggested quarterly meetings with Council to ensure everyone is kept up to date.

5. FIRE CHIEF'S REPORT AND UPDATE

Fire Chief Allan Cole verbally presented the report.

6. STAFF/COMMITTEE MEMBERS CONCERNS
There were no Staff/Committee members concerns.

7. NEW BUSINESS
Fire Chief Cole mentioned the purchase of an extrication tool for the department. They currently have one on loan, but it is on a time limit before it needs to be returned. He added that it is included in the 2023 Budget, and he has received quotes for it, which were under the budgeted amount, and followed the procurement by-law guidelines. The Committee was in support of the purchase.

8. NEXT MEETING DATE

The next meeting will be held May 18th, 2023 at 5:00 p.m.

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9. ADJOURNMENT

Chair Proctor declared the meeting adjourned at 6:20 p.m.

CHAIR Daina Proctor

CAO/Clerk Hope Dillabough

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Horton Township

Township of Horton
COUNCIL / COMMITTEE REPORT

Title:	Date:	May 18, 2023
Bi-Monthly Fire Report	Council/Committee:	Protective Services Committee
	Author:	J. Allan Cole – Fire Chief
	Department:	Fire

CALL OUTS/RESPONSES:

Call-Outs/Responses March 13, 2023 to May 16, 2023
Total this period - Fifteen.

- Ice/Water Rescue Request (x1)
- MVC (x3)
- Power Lines Down (x7)
- Structure Fire – Camper Trailer (x1)
- Burning Complaint-Unattended Fire (x1)
- Smoke/CO Alarm Activation (x2)

MEETINGS:

Chief's Meeting – Pembroke 2023-04-12 Radio Dispatch System Upgrade

TRAINING/WORKSHOPS/:

- Practical Evolutions NFPA 1001 FF1&2 to meet minimum requirements of Ontario Seal
- Training records to date attached for reference.
- Mobile Live Fire Training Unit (MLFTU) provided by OFM has been in the County for 2 weeks in May. 11 HFD Firefighters have taken part in the 8-hour live fire training sessions.
- Action Training (On-line series of training videos and tests) has been renewed for another year.

CORRESPONDENCE:

- minimal

FIRE PREVENTION/INSPECTION:

- 12 Horton School Road FSP – we have been working with the owners and building rep to assist with the development of the Building Fire Safety Plan
- No update

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OUTSTANDING ISSUES/OLD BUSINESS:

RFQ for Horton 9837 Replacement – ¾ ton 4 x 4 truck
This has been added to the 2023 Capital Budget.
Proposal Request is being finalized and, upon approval of 2023 Budget, the RFQ will be sent to industry for quotes.

Fire Department Access on Private Roads within the Municipality
(Left on for Reference)
There are 149 registered Roads in the Township that have 911 addresses attached to them (Info based on CACC 911 Reporting Data).
Of the 141 registered Roads, 61, or 43% are deemed to be Private Roads not maintained by the Municipality and of varying roadbed condition.
We have completed the Private Road Condition Assessment on 61 Private Roads in the Township
Please see attached Summary Sheet indicating Road Condition.

Based on our observations there are a sizeable number of 911 addresses located on private roads where we, as a Fire Department, could not provide the same level of service as would be expected of 911 addresses on Municipally Maintained Roads.
The following are some suggested options based on reviews of situations encountered with other municipalities having similar conditions.

1- Based on above, evaluate whether the FD has the appropriate equipment to meet the needs of the homeowners of these roads and consider alternate methods of response that may meet the minimum standards (IE: perhaps we would be well served with a Mini-Pumper for this type of work-dependent on number of roads, # of homeowners, # of roads inaccessible by the larger trucks etc.)
2- Consider either a) developing a By-Law establishing minimum road standards and enforcing compliance or b) revise the current E&R By-Law to indicate that HFD will do it's best to provide an appropriate level of service but based on road condition we may not be able to.
3- Inform all homeowners serviced by Private Roads of the level of Emergency Response they are most likely to get based on the above.

How would you like us to proceed?

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NEW BUSINESS

Community Risk Assessment update.
The final version of the CRA has been reviewed and accepted by HFD Senior Management.
A Special Closed Council Meeting was held on May 16, 2023, to brief Council on the findings of the report. Council received and accepted the CRA as presented. Next steps, such as the development of a Community Risk Reduction Strategy are forthcoming.

Amkus Rescue Tool
The purchase of the Amkus Rescue Tool and associated equipment has been completed.
Total cost of tool and ancillary equipment was confirmed at $12,327.35 + HST.
Unit has been commissioned, training provided and is in use on 9614.

RFQ for 9837 Vehicle Replacement
A Draft Proposal is in the package for review.
The intent is to discuss the draft, approve in principle, submit to council for action and put the RFQ out for tender.
This has been budgeted for in this year's capital expenditure forecast.

Renfrew County CACC Fire Dispatching Hardware Replacement
Please refer to the attached quotation form BearCom Canada Corp (formerly Motorola) and the e-mail from Lee Perkins, Director of Public Works & Engineering, County of Renfrew.
The intent is to replace the existing Fire Paging System Consoles at the CACC with upgraded and newer hardware. The new system, if installed, will be compatible with all existing radio paging systems used by the individual fire departments in the County.
HFD will be able to provide backup information at this meeting as required.

Prepared by: ***J. Allan Cole, Fire Chief***

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Horton Fire Department
2253 Johnston Rd
Renfrew On
K7V 3Z8

Phone: 613-432-6271
Fax: 613-432-7298

Request For Proposals

RFP Number: **01-2023 (to be confirmed)**

RFP For: **New, Current Model Year, ¾ Ton 4x4 Pickup**
Demo units MAY be considered if meeting minimum specifications.

RFP Closing: _____

Submitted By:

Bidder (Firm Name): _____

Contact Name: _____

Address: _____

_____

Phone Number: _____

Fax Number: _____

E-mail: _____

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General Information

- The Specifications listed in this document are **minimum requirements**. Please include the details and costs of any options in the proposal
- Proposals shall include details of the OEM warranty and accessories warranty as well as any optional extended warranty and the associated costs.
- Proposals must include freight and delivery, taxes, licensing and any other associated fees.
- Proposals shall include the expected delivery date.
- The proposed vehicle shall be delivered to and be ready for service at the Township of Horton Fire Station, 2253 Johnston Rd, Renfrew ON K7V 3Z8.
- Equivalents to the minimum specification shall be presented and approved at the discretion of the Fire Chief
- Any questions or clarifications required should be directed to Deputy Fire Chief Mike Fortier mfortier@hortontownship.ca

Minimum Chassis Equipment

- New current model year (Demo units MAY be considered if meeting minimum specifications).
- Standard (2) two door cab with an eight-foot box.
- Minimum 4000kg GVWR.
- Red exterior paint.
- Gasoline V8 engine (minimum).
- Automatic transmission.
- Four wheel drive.
- Minimum 17” wheel size c/w LT series all terrain tires.
- Equipped with a trailering package, including a factory installed trailer brake control.
- Ontario Annual Safety Inspection Certificate and Sticker.
- Ontario Minimum Safety Equipment (Roadside kit, fire extinguisher, First Aid Kit)

Minimum Interior Equipment

- Power windows and door locks.
- Power adjustable mirrors.
- Cruise control.
- Air conditioning.
- AM/FM radio with hands free Blue Tooth.
- Cloth **bucket seats**, grey or black in colour, (cab floor must be clear for emergency console installation).
- Heavy duty vinyl flooring.
- Weather Tech (or approved equivalent) custom fitted floor mats.

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Minimum Accessory Equipment Installed Before Delivery

- All accessory equipment shall be installed without affecting the OEM warranty.
- A.R.E. Tool Master V Series (or approved equivalent) box cap/canopy with side access tool compartments, colour matched to the truck body colour. LED strip light mounted to underside of cap, switched by switch panel inside cap tailgate. Cargo Glide 2200XL - 2200 lb Capacity (or approved equivalent) full length/extend bed slide out tray for equipment access.
- Supply and install new red LED emergency lighting system (Federal Signal Pathfinder Siren and Light Controller with Federal Signal Allegiant 53 inch or approved equivalent) light bar with forward facing white work lights rear facing Amber Directional traffic lights. (light bar control programing and mounting location to be approved by the Fire Chief).
- (8) eight Red Federal Signal Micro Plus strobe lamps, 2 on the grill, 2 high mount flashers on the rear of cap and 4 mounted on the sides of truck body controlled by the Pathfinder Control.
- 100-watt siren speaker mounted behind front grill, controlled by Pathfinder Control
- Install (4) four Federal Signal Icon (ICS4-3SQ) LED work lamps (2) on each side of cap (switched on and off by Pathfinder control)
- Four inch wide reflective white vinyl striping installed mid line on the full length of the vehicle, (2) two reflective Horton Fire Department door decals installed on the cab doors, Amber/Red reflective Chevrons installed on the box tail gate (2) white reflective unit number decals installed on the front fenders. (striping and decal package shall be approved by the Fire Chief before installation)
- Line-X (or approved equivalent) spray on bed liner
- Krown (or approved equivalent) rust proofing

Options to General specifications: Please specify the option and amount extra.

1) Extra cab
2) Crew cab
3) Diesel engine
4) 12000 Lb winch with Synthetic cable and fairlead mounted in front bumper.

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e-mailed to: firechief@hortontownship.ca;;;

The Office of the Fire Marshal

2022 Standard Incident Report Verification

It is important that OFM has ALL of the 2022 SIR reports for your department. Please review the following sections.
(Note: this report only shows data received prior to the date of this report, 03-May-2023)

1. **Last report received**: shows the date of the last report on file for **2022**. Please file late reports as soon as possible.
2. The **Emergency Call Summary** shows the total reports received by OFM as of the date of this report.
3. **Total Emergency Response into other Municipalities** shows total calls by the department into neighbouring municipalities.
4. The **Monthly Summary** section shows the total fire and non-fire reports received by month.
5. The **Exposure Fires** section shows fires where the department reported exposure fires and notes where reports are missing.
6. The **Injuries Reported/ Received** section shows the total injuries reported and the number of full Injury reports filed.
7. **NEW!** The **Fatalities Reported/ Received** section shows the total injuries reported and the number of full Injury reports filed.
8. The **NO LOSS OUTDOOR fire** section lists incidents that do not meet the criteria for this response type and must be revised.
9. The **Missing/Invalid PROPERTY** section lists fire calls with invalid and missing property codes that must be revised.
10. The **Missing/Invalid LOCATION** section lists calls with invalid and missing location/ municipal codes that must be revised.
11. The **Duplicate Records** section lists calls that are duplicated (same dates, times, address, response type).

For a full **LISTING OF ALL FIRE CALLS:** e-mail your request to ofmstatistics@ontario.ca with your FDID in the subject line.

PLEASE VERIFY AND CONFIRM WITH THE OFM:
- If the information shown in these reports is correct, please email ofmstatistics@ontario.ca and confirm that no revisions are required. Include your FDID in the subject line.
- If revisions are required please file these changes as soon as possible by resubmitting the SIR report(s).

4746 00 Horton Fire Department

Last report received for 2022 : **14-Dec-2022**

Please ensure OFM has all of your SIR reports for emergency incidents attended in 2022.

Emergency Call Summary	Response Type	Total calls		SIR Injuries CIV	SIR Injuries FF	SIR Fatalities* CIV	SIR Fatalities* FF	Estimated loss
	2022 Totals	**39**		**0**	**0**	**1**	**0**	**$483,500**
Fire response		**5**	*13%*					**$483,500**
Loss reported(includes injuries/$loss)								
	STRUCTURE	2	*5%*	0	0	1	0	$475,000
	VEHICLE	3	*8%*	0	0	0	0	$8,500
Fire response - outdoor no loss		**2**	*5%*					
Non fire call		**32**	*82%*					**$0**
	Burning (controlled)	2	*5%*	0	0	0	0	$0
	CO False calls	3	*8%*	0	0	0	0	$0
	False fire calls	1	*3%*	0	0	0	0	$0
	Medical/resuscitator call	1	*3%*	0	0	0	0	$0
	Other Response	4	*10%*	0	0	0	0	$0
	Public Hazard	5	*13%*	0	0	0	0	$0
	Rescue	16	*41%*	0	0	0	0	$0

Total Emergency responses into other Municipalities (included in Emergency Call Summary)
If there are no totals listed, there are no reports of emergency responses into other/neighbouring municipalities

Municipality	Total calls

Note: The SIR requires that exposure fires are reported as additional fire records. If your system combines all exposure fires as 1 emergency response, your number of fires will differ from the OFM total fires. For more information or more detailed reports e-mail your request to OFMstatistics@ontario.ca.

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The Office of the Fire Marshal

2022 Standard Incident Report Verification

Monthly summary of reports filed

* Loss fire: fire with injury, fatality or $ loss reported. No Loss fire: 0 injury and 0 fatality and $0 loss.

	Response Type Category	Loss or noloss*	Total Calls	Injuries Reported	Est $ Loss
January					
	Non fire call		2		
February					
	Fire response - outdoor no loss (code 3)	NoLoss	1		
March					
	Fire response (codes 1 or 2)	Loss	1	0	$75,000
	Non fire call		2		
April					
	Fire response (codes 1 or 2)	Loss	1	0	$400,000
	Non fire call		2		
May					
	Non fire call		1		
June					
	Non fire call		6		
July					
	Non fire call		7		
August					
	Fire response (codes 1 or 2)	Loss	1	0	$1,500
	Non fire call		4		
September					
	Fire response (codes 1 or 2)	Loss	1	0	$2,000
October					
	Fire response (codes 1 or 2)	Loss	1	0	$5,000
	Fire response - outdoor no loss (code 3)	NoLoss	1		
	Non fire call		5		
November					
	Non fire call		2		
December					
	Non fire call		1		

Note: The SIR requires that exposure fires are reported as additional fire records. If your system combines all exposure fires as 1 emergency response, your number of fires will differ from the OFM total fires. For more information or more detailed reports e-mail your request to OFMstatistics@ontario.ca.

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The Office of the Fire Marshal

2022 Standard Incident Report Verification

Exposure Fires: (If there are no incidents listed, there are no reports of exposure fires.)

Listed below are the fire reports where there is a total reported in the "Total Exposures" field, or "Exposure number" field, or where the "Extent of Fire" field was code "11 - Spread beyond building of origin, resulted in exposure fire(s)".

Heat and/or Smoke damage do not qualify as exposure fire - there must be fire spread between the properties.
Response Type code "3-NO LOSS OUTDOOR FIRE" does not qualify as exposure fire - all exposure related calls must have Response Type "1-Fire" or "2-Explosion".

Please review this listing and ensure that there is a fire report for each of the exposure fires. There should be one exposure fire report (in addition to the intial fire report) for every property that was ignited as a result of the initial fire.

All related exposure fires are listed together with the originating fire report. If you see **"Missing exposure fire..."** or **"Invalid exposure fire.."** notes printed below, please:

a) submit the additional required reports, OR
b) revise the "Extent of Fire" or "Total Exposures" or "Exposure Number" fields, OR
c) revise the "Response Type" to "1-Fire" and resubmit the SIR with Section B completed.

4746 00 Incident Date and call time	Response type *Property type*	**Extent of Fire** (i.e. spread)	**Total #** Exposures	Exposure **Number**	Address

FD incident #

Injuries Reported/ Received: (If there are no incidents listed, there are no reports of applicable injuries.)

*Calls where an injury total was reported on the SIR, or an injury report was received, are listed below.

If the **TOTAL INJURY REPORTS RECEIVED does not match the TOTAL INJURIES REPORTED (on SIR)**, then the entire section will have a grey background, and we are asking you to review those reports. Please provide a revised SIR injury count or resubmit the incident with the missing injury report. At the end of the year OFM will revise the number of injures on the SIR to match the number of Injury reports received. **Fatalities not included** in this report, contact OFMEM for fire deaths.

NOTE*: Excluded from this list are Non-fire Civilian Injuries (civilian injuries are accepted for response codes 1 & 2 only), as well as response code "3-No loss outdoor fire" records (injuries not allowed for response code "3").

4746 00

Response Category:	Total Injury records received:	Total Injuries reported on the SIR:			
Fire response	0		CIV: 0	FF:	0
Non fire call	0			FF:	0

Note: The SIR requires that exposure fires are reported as additional fire records. If your system combines all exposure fires as 1 emergency response, your number of fires will differ from the OFM total fires. For more information or more detailed reports e-mail your request to OFMstatistics@ontario.ca.

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e-mailed to: firechief@hortontownship.ca;;;

The Office of the Fire Marshal

2022 Standard Incident Report Verification

NEW! Fatalities Reported/ Received: **(If no incidents listed, there are no reports of deaths (see notes))**

*Calls where a fatality total was reported on the SIR, or a fatal injury report was received, are listed below (see notes). Please contact OFM to verify any non-fire related FIREFIGHTER deaths!

If the **TOTAL FATAL INJURY REPORTS RECEIVED does not match the TOTAL FATALITIES REPORTED (on SIR)**, then the entire section will have a grey background, and we are asking you to review those reports. Please provide a revised SIR fatality count or resubmit the incident with the missing FATAL injury report. At the end of the year, OFM will revise the number of fatalities on the SIR to match the number of confirmed and verified fire deaths investigated by the office .

Important NOTES*:
- Excluded from this list are Non-fire civilian fatalities (civilian deaths are accepted for response codes 1 & 2 only).
- Excuded from this list are response code "3-No loss outdoor fire" records (deaths not allowed for response code "3").
- OFM investigates all fatal fires in the province and will revise municipal fire death counts at year end to match verified and confirmed fire deaths reported by the Coroner and OFM fire investigators!

4746 00

Response Category:	**Fire response**	Total Fatal records received:	1	Total Fatalities reported on the SIR:	CIV: 1	FF:	0
FD Inc ID # **1595723**	25-Apr-22	Fatal records received	1	# reported on SIR	CIV: 1	FF:	0
Response Category:	**Non fire call**	Total Fatal records received:	0	Total Fatalities reported on the SIR:		FF:	0

Response Type Code "3-NO LOSS OUTDOOR fire" Report Errors:

Definition: **No loss:** i.e. no fatality, and no injury, and $0 loss **AND** **Outdoor:** i.e. open land, trash container outside, etc.
Exclusions: fires occurring in structures, vehicles, recycling/dump sites, exposure fires, or outdoor fires where arson, vandalism or children playing was suspected.

The incidents listed below **do not meet the criteria** for Response code 3, they each have one of - a $ loss or injury or death or structure or vehicle property type reported. These incidents should be resubmitted as response type code "1 - Fire" with sections B/ C completed where applicable (see definition above).

Please revise these incidents (if there are no incidents listed, there are no reports of this type with errors) and send updated reports to OFMStatistics@ontario.ca or update the report on the OFM data entry website.

		Response type	-------- Reported losses ------			
			--- CIV------		--- FF ------	
FD Incident #	Incident date	**Property type**	**Est. $**	**Injury**	**Death**	**Injury**	**Death**	Address

OFM FDID:

Note: The SIR requires that exposure fires are reported as additional fire records. If your system combines all exposure fires as 1 emergency response, your number of fires will differ from the OFM total fires. For more information or more detailed reports e-mail your request to OFMstatistics@ontario.ca.

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e-mailed to: firechief@hortontownship.ca;;;

The Office of the Fire Marshal

2022 Standard Incident Report Verification

Missing / Invalid PROPERTY Code for Fires / Explosions:

Listed below are the fire reports (response codes 1 or 2) with missing or invalid property codes.
If there are no incidents listed below, there are no invalid/miising property codes.
Please identify the correct property for each fire and resubmit these calls to the OFM.

OFM FDID:

FD Incident # / Incident location	Incident date hr min	Response type / **Property type**	Injuries CIV	Injuries FF	Estimated $ loss	Address

Missing / Invalid LOCATION Codes:

Listed below are the incidents with missing or invalid incident location or municipality codes.
If there are no incidents listed below, there are no invalid/miising location/municipality codes.
Please identify the correct location code for incident and resubmit these calls to the OFM.

OFM FDID:

FD Incident # / Incident date hr min	Incident Location Code	Response type	Address
	-		

DUPLICATE Records:

Listed below are multiple incident records with the **same** Incident date, Initial Call Times, Response Type, and Address.
Please review these records and advise the OFM which ones should be deleted!
If there are no incidents listed below, there are no duplicate records found.

NOTE: where multiple stations (belonging to the same Fire Department) are attending the same call, only ONE incident record should be submitted. **FD station assists are not accepted for SIR reporting**.

OFM FDID:

FD Incident # / [OFM ID #]	Station#	Incident date/ Call hr min sec	Response type	Address
[ ]				

Note: The SIR requires that exposure fires are reported as additional fire records. If your system combines all exposure fires as 1 emergency response, your number of fires will differ from the OFM total fires. For more information or more detailed reports e-mail your request to OFMstatistics@ontario.ca.

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e-mailed to: firechief@hortontownship.ca;;;

2022 Standard Incident Report Verification

The Office of the Fire Marshal

Note: The SIR requires that exposure fires are reported as additional fire records. If your system combines all exposure fires as 1 emergency response, your number of fires will differ from the OFM total fires. For more information or more detailed reports e-mail your request to OFMstatistics@ontario.ca.

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Horton Fire Dept Training

Year: 2023

Fire Fighter 1 Skill Sheets

Name	1.1 Mount & Dismount Apparatus	1.2 Deploy & Operate Portable Electrical Supply Unit	1.3 Deploy Lighting Equipment	1.4 Scene Management	2.1 Receiving Emergency & Non-Emergency Calls	2.2 Radio Communications	5.1 Don Structural PPE	5.2 Donning SCBA	5.3 Donning SCBA (seated)	5.4 Doff PPE, including SCBA & prepare for re-use	5.5 Inspect SCBA	5.6 Clean & Sanitize SCBA	5.7 Fill SCBA Cylinder	5.8 Replace SCBA Cylinder	6.1 Extinguish Class A, B or C fire w/Fire Extinguisher	7.1 Inspect, clean & Store Rope	7.2 Overhand Knot	7.3 Clove Hitch	7.4 Clove Hitch around Object	7.5 Figure Eight Knot	7.6 Figure Eight on a Bite	7.7 Figure Eight Follow Through	7.8 Water Knot	7.9 Hoist an Axe	7.10 Hoist a Pike Pole	7.11 Hoist a Roof Ladder	7.12 Hoist a Dry Hose Line	7.13 Hoist a Power Saw	8.1 Clean, Inspect & Maintain Ladder	8.2 Carry Ladder, one Firefighter, low shoulder	8.3 Two Firefighter Carry	8.4 Raise & Lower Ladder (one FF)	8.5 Raise & Lower ladder (2 FF)	8.6 Reposition a Ladder	8.7 Leg lock on Ground Ladder	8.8 Deploy Roof Ladder on pitched roof	8.9 Assist Victim Down ladder
A. Cole (Chief)							y	y		y	y	y		y																								
M Fortier (D. Chief)	y	y	y	y	y	y	y	y		y	y	y		y																y	y	y	y	y	y	y	y	
R. Caillier (Capt)											y	y		y																y	y	y	y					
D. Eady (Capt)	y	y	y	y	y	y	y	y		y	y	y		y																y	y	y	y	y	y	y	y	
A. Bennett					y	y	y	y		y	y	y		y																y	y	y	y					
B. Bennett	y	y	y	y	y	y	y	y		y	y	y		y																y	y	y	y	y	y	y	y	
C. Bennett																																						
C. Cole																																						
C. Curley					y	y	y	y		y	y	y		y																y	y	y	y	y	y	y	y	
B. Congdon	y	y	y	y	y	y	y	y		y	y	y		y																y	y	y	y	y	y	y	y	
C. Martin	y	y	y	y	y	y	y	y		y	y	y		y																y	y	y	y	y	y	y	y	
D. McNulty																																						
D. Jamieson	y	y	y	y			y	y		y	y	y		y																								
E. Cummings	y	y	y	y			y	y		y	y	y		y																				y	y	y	y	
K. Morrison							y	y		y	y	y		y																								
K. Schroeder					y	y	y	y		y	y	y		y																						0		
M. Harper	y	y	y	y	y	y	y	y		y	y	y		y																y	y	y	y					
S. Johnston	y	y	y	y	y	y					y	y		y																y	y	y	y	y	y	y	y	
S. Abdon																																						
S. Osipenko																																						
T. Gledhill	y	y	y	y	y	y	y	y		y	y	y		y																y	y	y	y					

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Name	9.1 Clean, Inspect & Maintain Hand Tools	9.2 Force Entry through Inward swing door	9.3 Force Entry through Outward Swinging Door	9.4 Force Entry through Door Lock	9.5 Force Entry through padlock	9.6 Force Entry through Window	9.7 Force Entry through wood frame wall	9.8 Breach Masonry Wall w/hand tools	9.9 Breach Metal Wall w/Rotary Saw	10.1 Enact proper SCBA Air Emergency	10.2 Operate Air-Monitoring Device	10.3 Conduct a Primary or Secondary Search	10.4 Perform Incline Drag	10.5 Perform Extremities lift/carry (2 FF's)	10.6 Perform Webbing Drag	10.7 Transmit a MAYDAY report	10.8 Follow a hoseline as withdrawal procedure	10.9 Reduced Profile Maneuvers W/O removing SCBA (Side Tech)	10.10 Breach Interior Wall	10.11 Reduced Profile Maneuvers (SCBA First)	10.12 Disentangle from Debris and/or Wires	11.1 Perform Mechanical Positive Pressure Ventilation	11.2 Perform Horizontal Hydraulic Ventilation	11.3 Vent a Flat Roof	11.4 Vent a Pitched Roof	12.1 Couple & Un-Couple Hose	12.2 Inspect, Clean & Maintain a hose	12.3 Make a Straight Hose Roll	12.4 Make a Donut Hose Roll	12.5 Make a Flat Hose Load	12.6 Make Accordion Hose Load	12.7 Make Pre-Connected Flat Hose Load	12.8 Make Triple Layer Hose Load	12.9 Make Minuteman Hose Load
A. Cole (Chief)																																			
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Name	13.1 Make Soft Sleev & Hard Suction Hydrant Connections	13.2 Connect & Place Hard Suction for Drafting (Static)	13.3 Deploy a Porta Tank	13.4 Make Hydrant Connection (Forward Lay)	13.5 Make a Reverse Hose Lay	13.6 Advance a Hose Load	13.7 Extend a Hoseline	13.8 Replace a Burst Hoseline	13.9 Advance a Charged Hose using Working Line Drag	13.10 Advance a Hoseline into a Structure	13.11 Advance a Hose up or down an interior stairway	13.12 Connect to a Standpipe & Advance attack line	13.13 Advance an Un-Charged line up ladder into Window	13.14 Advance a Charged Line up a ladder & into Window	13.15 Operate a Charged line from a ladder	13.16 Operate a smooth bore or fog nozzle	13.17 Operate a small hoseline (1 FF)	13.18 Operate a Large Hoseline for exposure protection (1 FF)	13.19 Operate a large hoseline (2 FF)	13.20 Deploy & Operate a Master Stream	14.1 Attack Interior at Ground level (Direct, Indirect or Combination)	14.2 Attack structure fire using Transitional Attack	14.3 Attack Structure Fire above & below grade	14.4 Operate Sprinkler System Control Valves	14.5 Stop flow from Activated Sprinkler	14.6 Turn off Building Utilities	14.7 Attack a vehicle Fire	14.8 Attack Fire in Exterior stacked or Piled Class A	14.9 Attack a fire in a small un-attached structure	14.10 Extinguish a Trash Container Fire	14.11 Attack a Ground Cover Fire	14.12 Construct a Fire Line
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Name	15.1 Locate & Extinguish Hidden Fires	15.2 Roll a Salvage Cover for 1 FF Spread	15.3 Spread a Salvage Cover (1 FF)	15.4 Fold a Salvage Cover for 1 FF Spread	15.5 Spread a Folded Salvage Cover (1 FF)	15.6 Fold a Salvage Cover for 2 FF Spread	15.7 Spread a Folded Salvage Cover (2 FF Balloon Throw)	15.8 Construct & Place a Water Chute	15.9 Construct a Catchall	15.10 Construct a Water Chute and attach to Catchall	15.11 Cover Building Openings to prevent damage after Suppression	15.12 Clean Inspect & Maintain Salvage Cover	24.1 Analyze Hazardous Mat'l Scenario, Identify Potential Hazards	24.2 Identify Indicators & Hazards present a Haz Nat Scene	25.1 Make Notifications of Haz Mat Incident	25.2 Implement Protective Actions (Haz Mat)	25.3 Provide Scene Control (Haz Mat)	25.4 Identify Actions available (Haz Mat)	25.5 Evaluate Progress made (Haz Mat)	26.1 Select Appropriate PPE for Haz Mat	26.2 Don, Work in, Undergo Decontam & Dof PPE (Level C)	26.3 Don, Work in, Undergo Decontam & Dof PPE (Liquid Splash)	26.4 Don, Work in, Undergo Decontam & Dof PPE (Vapour Prot.)	26.5 Perform Absorption & Adsorption	26.6 Perform Damming	26.7 Perform Diking Operations	26.8 Perform Diversion	26.9 Perform Retention	26.10 Perform Vapour Suppression	26.11 Perform Vapour Dispersion	26.12 Perform Dilution	26.13 Perform Remote Valve Shutoff or Activate Emergency Shutoff	26.14 Perform Gross Decontamination	26.15 Perform Emergency Decontaminaton
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BEARCOM®
Always On

RENFREW COUNTY

CENTRAL AMBULANCE COMMUNICATIONS CENTER

CONSOLE RECOMMENDATION

March 9, 2023

BearCom Canada Corp.
www.bearcom.ca

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CURRENT DESIGN

Currently, the Renfrew County Central Ambulance Communications Center (CACC), is supported by a four-console position.

The current console positions are the discontinued MIP5000 Motorola solution. Calls are received and paged out from the CACC via a UHF signal to a tower at Foymount. From there, the signal is dispatched to a base radio at the relevant Fire Department's base stations which, in turn, decodes the UHF signal into VHF and pages go out to Fire Fighters within range of the signal.

Towers at Arnprior and Bissett Creek, along with the tower at Foymount, act as communications links to the CACC where fighter fighters can monitor voice as they respond to the incident. This also allows for incident command to communicate with CACC once ground tactical operations have been established.

There is no formal back up position, but rather a phone patch that exists in case of failure which allows for pages to be sent out.

Currently, the system records two radio audio channels and phone is recorded on a different system.

Current System Limitations:

1) Paging limitations

The paging signals being sent out are through simplex radio receivers at the Fire Halls which limits the paging signal coverage. On-call fire fighters out of range of the paging base radio will not receive the pages.

2) Incident coverage

Once pages are received, radio updates can be heard through which ever of the Foymount, Bissett Creek or Arnprior towers are used by the system to support incident command. Again, if the responding fire fighter is out of range of those towers, they will not hear the radio updates.

This is also a simplex configuration with limited reach which causes departments to use other methods such as the "Who is responding?" app.

3) Lack of Redundant Back-Up

The primary function of CACC is to dispatch Ambulance incidents and, in addition, they support Fire Department dispatch as well. The four-console position solution does not have a back-up console position independent of the main consoles in the event of failure or natural disaster.

There is a phone patch used in the event of failure. However, console functionality is lost in those cases.

Please refer to the attached diagram which provides an outline of the current console solution.

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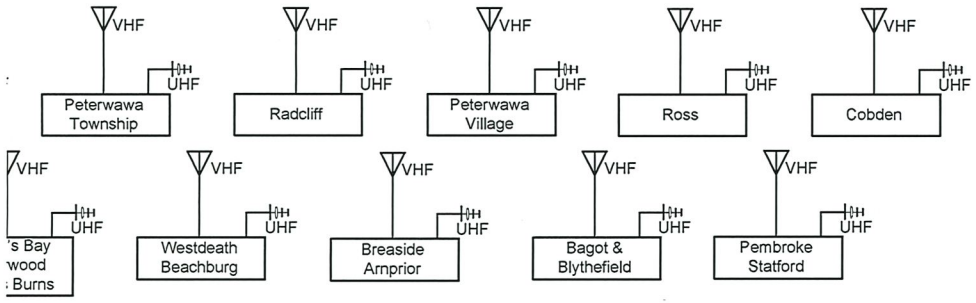

Foymont Tower (C&W Site)

SRL-210C4 or Equivalent

SRL-307 HD or Equivalent Via Foymount

Pinnacle Hill Repeater

154T130 Mhz
410R7250 Mhz
Filters VHF & UHF
VHF
UHF
Horton

MTR-2000
414T7250 Mhz
410R8375 Mhz
24 Volts input port

B
A
MTR-2000
414T7250 Mhz
410R8375 Mhz
Q-3220E Duplexer
24 Volts input port

Manual A/B switch in rear cabinet

Motorola MIP-5000 Gateway

Motorola MIP-5000 consoles

Renfrew CACC

MTR-2000 UHF
154T010 Mhz
154R010 Mhz
RF relay
C-2037 Filters
12 Volts input NO Battery

MTR-2000 UHF
410T8375 Mhz
414R7250 Mhz
Q-3220E Duplexer
12 Volts input NO Battery

110VAC → Argus Battery charger → No batteries

110VAC → Argus Battery charger → No batteries

Admaston (Douglas)

Eganville

Sebastopol

Hagard & Richard

Brudenelle & Lyndock

North Algona

CUSTOMER: Renfrew County Fire dispatch

TITLE: Paging Channel

PROJECT: Actual Paging system

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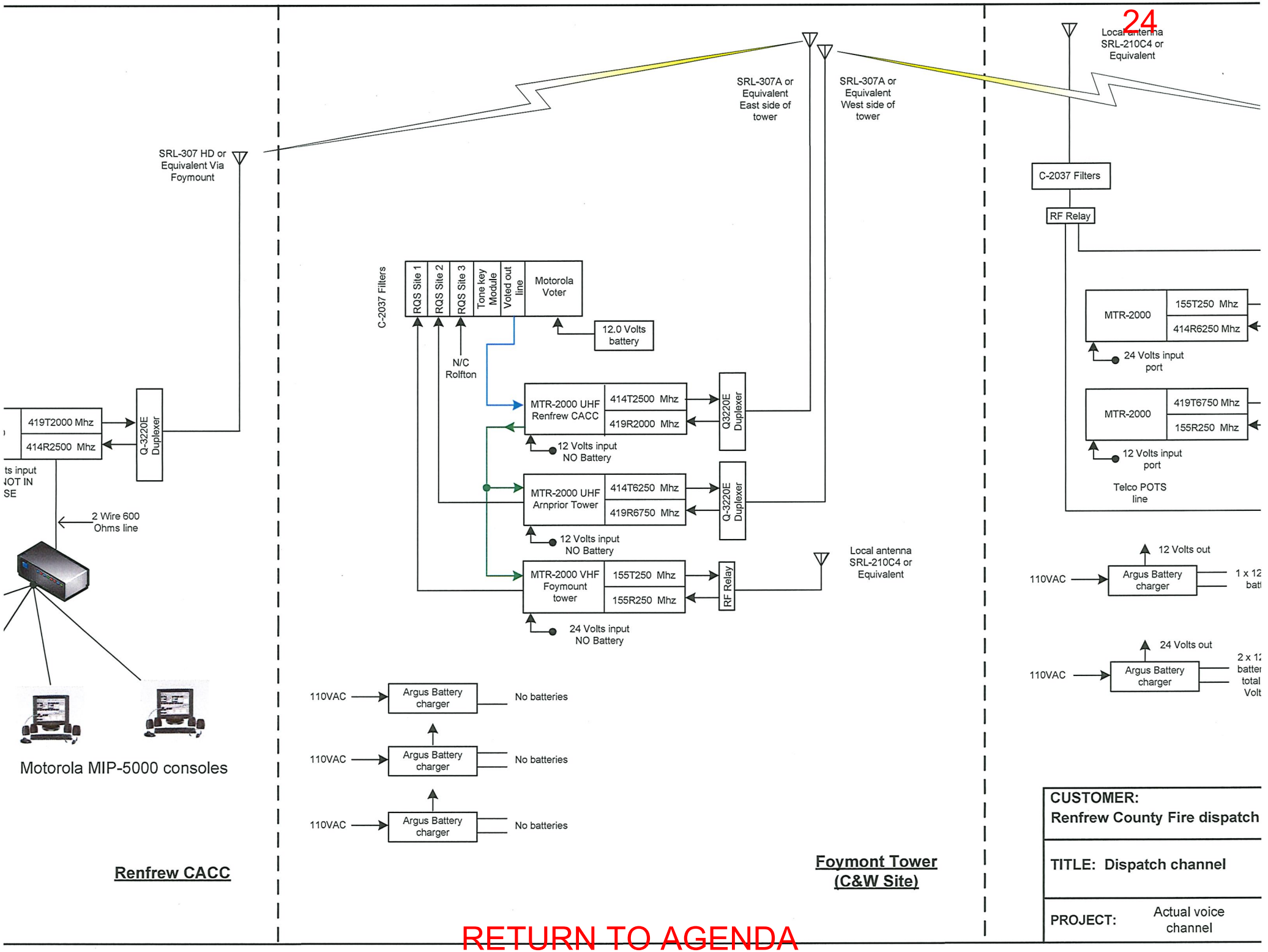

Renfrew CACC

Foymont Tower (C&W Site)

CUSTOMER:	**Renfrew County Fire dispatch**
TITLE:	**Dispatch channel**
PROJECT:	Actual voice channel

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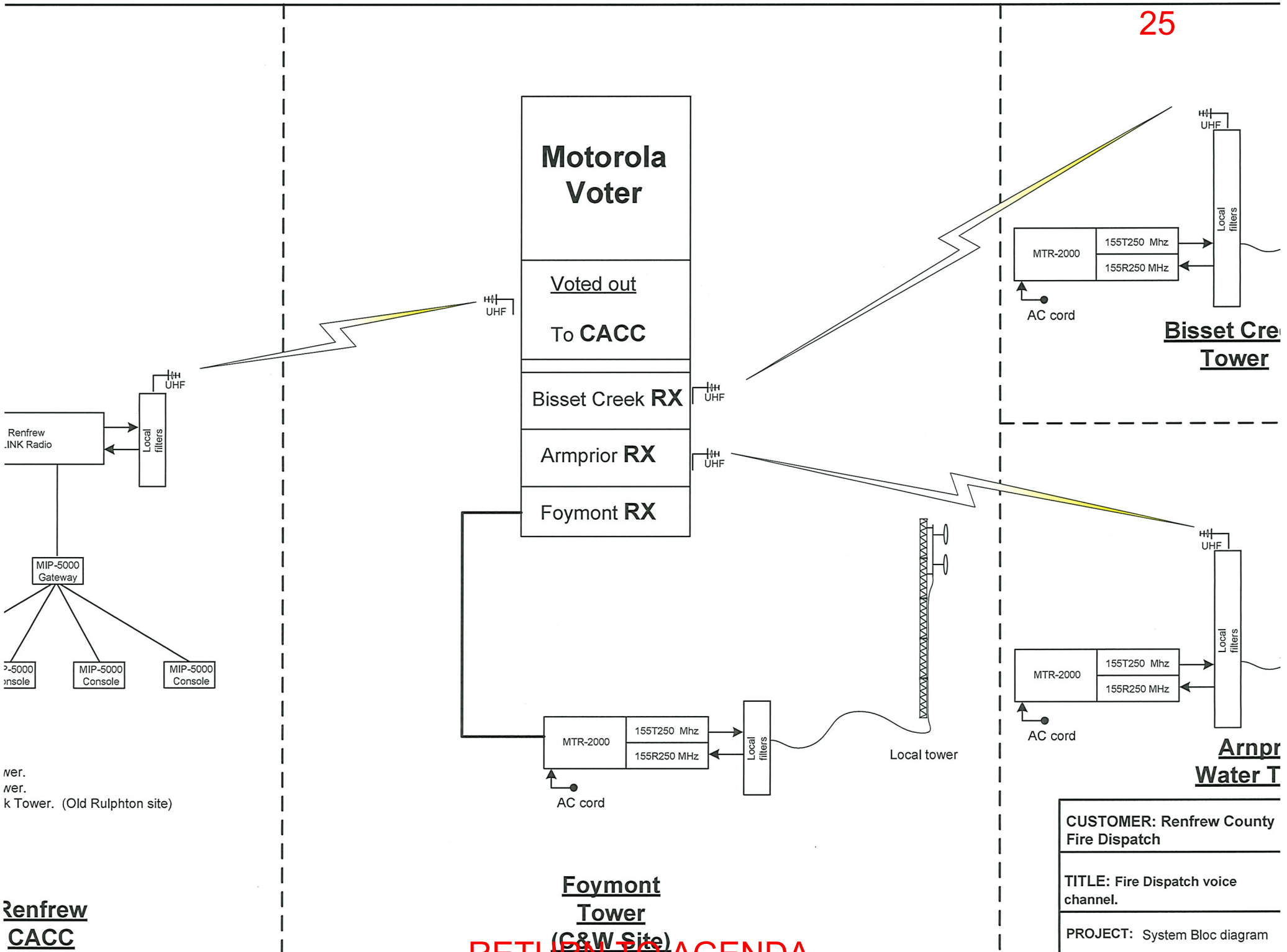

ver.
ver.
k Tower. (Old Rulphton site)

CUSTOMER: Renfrew County Fire Dispatch
TITLE: Fire Dispatch voice channel.
PROJECT: System Bloc diagram

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AVTEC CONSOLE SOLUTION

AVTEC Inc. is a Motorola Solutions company which specializes in Voice Over IP (VoIP) Dispatch communications solutions.

They have more than 40 years of experience dealing with First Responders and Mission Critical operations where reliable, effective and scalable communications solutions are needed.

Given that the current MIP5000 is a Motorola based product, the migration to the AVTEC portfolio is a natural evolution in the County's infrastructure.

In the case of the CACC, it is BearCom Canada's recommendation that the AVTEC Scout E4 console solution with redundant back up.

This solution will not address the current system limitations as they relate to paging and coverage issues. It will, however, ensure that normal operations can continue in the event of failure.

It will also provide numerous benefits currently not enjoyed through the MIP5000 solution. The most important being the AVTEC Scout Care program which is unparalleled in the industry.

This will provide the CACC with the most comprehensive post-sales care program available. Through the on-going maintenance program in place with BearCom Canada, the County of Renfrew will enjoy a minimum of three software upgrades per annum which will ensure that new functionality is available upon release.

The County will also enjoy the benefits of 24/7/365 toll free support and on-line learning and training portals for on-going guidance.

Finally, though the issues of paging coverage and radio coverage are not addressed in this proposal, this solution will easily scale to whichever platform that the County chooses to adopt as its next radio system.

BearCom Canada has chosen not to address the paging and radio coverage issues in this submission as the choice of platform will ultimately dictate how to best address those items.

We would invite the County to review the attached documentation which further outlines the numerous benefits of the AVTEC Scout E4 console solution.

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AVTEC'S SCOUT

Dispatch Communications Platform

AVTEC

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WHEN MINUTES MATTER

You need to know that your communications system can handle whatever challenges it will face in today's complex world. At the center of the most demanding communications environments, you'll find an Avtec Scout™ dispatch console—protecting people, assets, and livelihoods. When a call comes in, you can feel confident that you've selected a reliable and efficient communications system from a company that understands what is important to you.

PROVEN

When you choose Avtec to be your communications partner, you're joining more than 75 utilities, six major U.S. airlines, hundreds of public safety agencies and dozens of Fortune 500 companies that have deployed a Scout dispatch console for their mission-critical communications.

SCALABLE

Build for now, but be prepared for later—your investment is always safe with Avtec, since Scout enterprise systems can grow in both capacity and capabilities as your needs dictate. And, as your requirements change over time, systems can be consolidated to one location, redistributed to many locations, or augmented to accommodate growth.

RELIABLE

Avtec Scout console systems are built on open standards and integrate seamlessly with the leading radio, telephony, push-to-talk over cellular (PoC), and broadband technologies. And since they are fully redundant, you can trust Avtec systems to deliver exceptional audio quality during standard operations, or during mutual aid situations such as natural or man-made disasters.

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Avtec Scout EX Dispatch Console

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WHY AVTEC SCOUT?

When your dispatchers are called into action, you want the best tools at their fingertips. Avtec's Scout consoles can handle a broad range of business and mission-critical communications needs—consolidating your radio, telephony, and broadband/LTE technologies into a best-in-class communications solution that offers exceptional audio quality, protection from cybersecurity threats, and virtually endless configurability.

Count on Avtec Scout for:

MISSION-CRITICAL RELIABILITY

Whether your dispatchers are dealing with a life-saving emergency or coordinating business-critical resources for your enterprise, you can count on Avtec to provide:

- Dispatch consoles with built-in redundancies for high availability and stability.
- Communications solutions with exceptional audio quality.
- ScoutCare™ licensed, post-warranty software maintenance and U.S.-based support 24/7/365 to protect against unforeseen issues and to deploy regular system enhancements.

A COMMITMENT TO CYBERSECURITY

Today's hackers target third-party applications as a pathway to gain access to your primary control systems. Avtec's Scout dispatch consoles are rigorously tested for vulnerabilities prior to each software release.

EASE OF USE

You need technology to bend and flex to meet your changing requirements. Avtec Scout's Enterprise Management Tools enable you to configure your console to your unique business needs, including:

- Customizable screens for role-specific preferences or to mirror legacy systems.
- Quick and intuitive connectivity to all voice resources.

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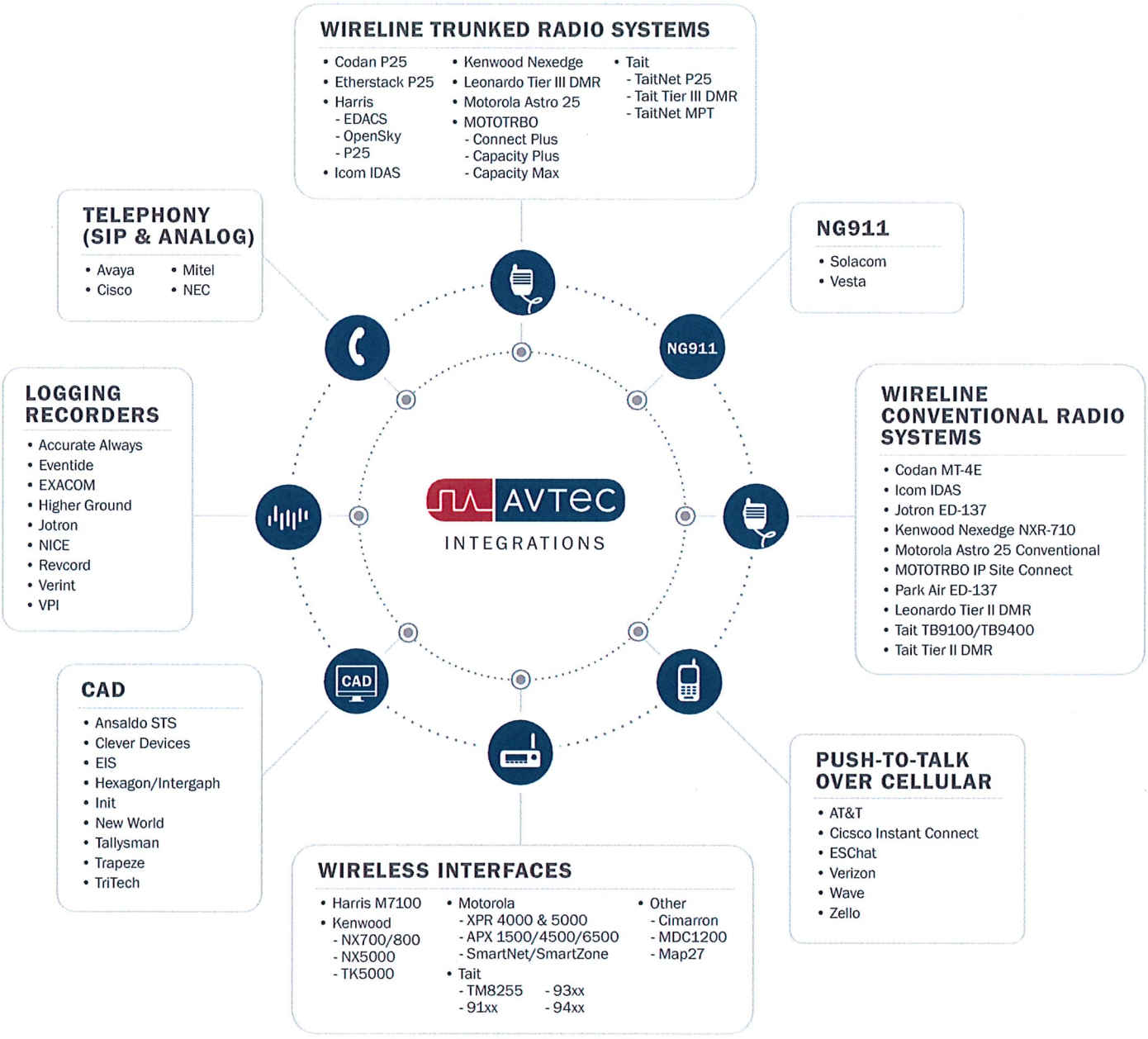
INTEGRATION FLEXIBILITY

You need the freedom to select the right communication tools for the job based on what is most efficient and effective for your team. Avtec Scout's single-source code platform allows you to integrate legacy and next generation radio, telephony and PoC technologies in both fixed and mobile dispatch environments.



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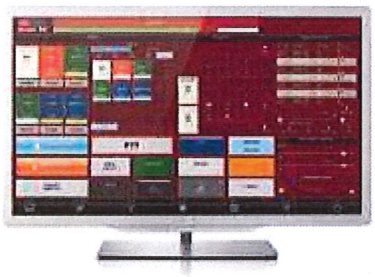
MEET THE SCOUT ENTERPRISE FAMILY

SCOUT EX

Avtec Scout EX is our most robust solution for conventional and trunked radio systems, telephony and broadband/LTE technologies. If you are a "power user" who manages hundreds of resources on a daily basis and need a secure, scalable and redundant console solution, you can depend on Scout EX. It enables dispatchers to monitor up to 50 audio streams and 2,000 channels from fixed or mobile command centers, and is compatible with Avtec Scout E1, E4 and E8 consoles for flexibility.



SCOUT E8

Avtec Scout E8 gives your command center maximum value for a minimal investment. Scout E8 integrates with leading radio, telephony and broadband/LTE technologies. And because it is compatible with all Scout Enterprise products, you can easily expand your system as your operations center grows. It is ideal for managing up to eight audio streams and eight channels at a time.

SCOUT E4

The Avtec Scout E4 console provides a cost-effective solution that is compatible with Scout EX and E8 consoles so you can add additional software licenses as needed. It manages up to four audio streams and eight channels at a time. Like the entire Scout Enterprise family, Scout E4 dispatch consoles integrate with leading proprietary and standards-based radio, telephony and broadband/LTE technologies.

SCOUT E1

Avtec Scout E1 is a purpose-built hardware device that delivers a compact, reliable and affordable dispatching solution for up to four radio or LTE endpoints. These devices can stand alone, or work together in their own system. Since Scout E1 is compatible with all Scout Enterprise products, it can be easily upgraded.

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FEATURES	SCOUT EX	SCOUT E8	SCOUT E4	SCOUT E1
MOTOTRBO™ Integration	✓	✓	✓	✓
SMARTNET® / SmartZone™ Trunked Integration	✓	✓	✓	✓
P25 Trunk & Conventional Ph 1 & 2 (Includes ASTRO)	✓	✓	✓	✓
DMR / NXDN / MPT-IP / IDAS / ED-137	✓	✓	✓	✓
Harris EDACS® / OpenSky® Systems	✓	✓	✓	✓
Enhanced Telephony	✓	✓	✓	X
AT&T Enhanced PTT	✓	✓	✓	✓
Verizon Push to Talk Plus	✓	✓	✓	✓
Cisco Instant Connect	✓	✓	✓	✓
Wave / ESChat	✓	✓	✓	✓
NENA Support (Headset Sharing)	✓	✓	✓	X
Dispatch Positions	800	800	800	800
Channels	2000	8	4	4
Audio Streams (Receive)	50	8	4	4
Audio Streams (Transmit)	20	8	4	1
Upgradable to Higher Capacity	N/A	✓	✓	✓
Permanent Patch	✓	✓	✓	✓
Instant Recall Recorders (IRR) / Logging Recorders / Mobility	✓	✓	✓	X

SCOUTCARE

Avtec offers ScoutCare™, a licensed post-warranty software maintenance and remote support services program that protects your investment and ensures your system always has the latest security updates, new features and integrations, and ongoing product enhancements. With your subscription, you can count on 24/7/365 support from Avtec's staff of trained technical specialists and authorized channel partners so you can focus on your core business and on managing your operations. If you prefer to maintain your own system, your ScoutCare license includes administrator training to provide you with the skills to do so. This comprehensive approach to customer engagement provides you with a reliable system and access to a support team you can trust.

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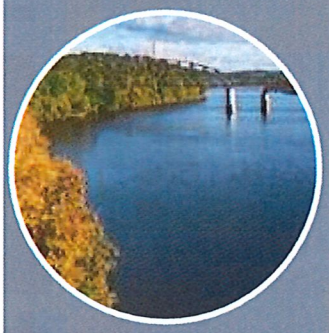

"Being able to reliably share information in a timely fashion is absolutely critical...Avtec custom-built the new system using screen configurations we sent. Our dispatchers were using the system comfortably within 10 minutes."

—JENNIFER WHITE
E-911 DIRECTOR
LOUDON COUNTY, TENNESSEE

AVTEC

1.800.310.7045
1.803.358.3620
www.avtecinc.com/demo

sales@avtecinc.com
100 Innovation Place
Lexington, SC 29072 USA

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RECOMMENDED DESIGN

Please refer to the attached system design which outlines the AVTEC Scout E4 solution with redundant back up. The proposed design also includes a new recording system for radio transmissions to scene and at incident command.

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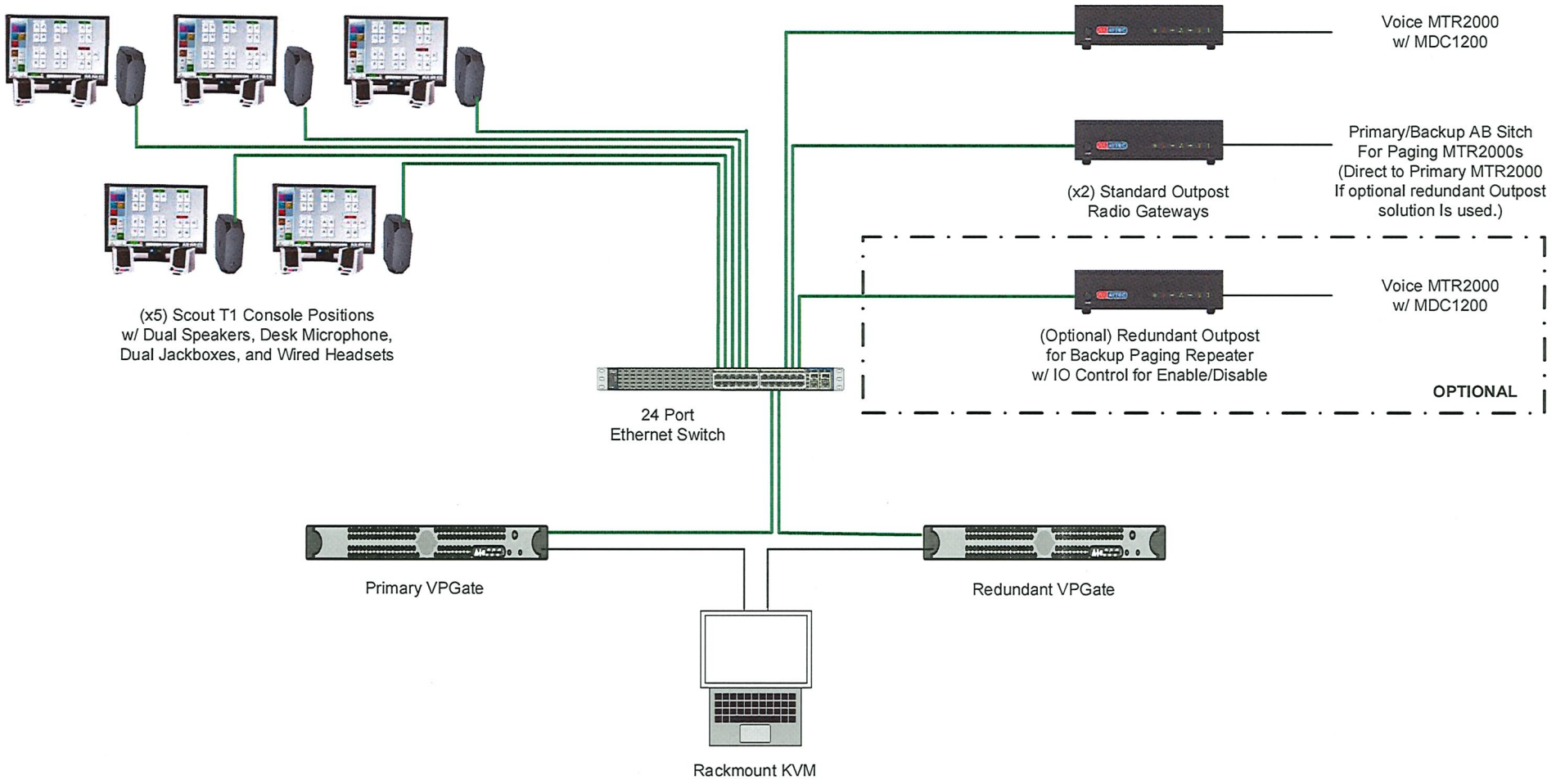

	AVTEC 100 Innovation Place, Lexington SC 29072	PROJECT IMPLEMENTATION AND TRAINING MANAGER AVTEC PROJECT MANAGER SYSTEMS INTEGRATIONS ENGINEER		**Design assumes the following is supplied:** Display, adequate network switch, rack for mounting hardware and shelves.	DRAWN BY: EBNajera DATE DRAWN: 3/10/2023 CHECKED BY: APPROVED BY: DATE APPROVED:	Renfrew County	AVTEC SCOUT CONSOLE SYSTEM **Preliminary System Overview** SYSTEM DESIGN DRAWINGS REV: 1.0 DATE: 03.10.2023	SHEET 1 DRAWING NUMBER REF AVTEC-

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FIRE SYSTEM OPTIONS

Further to the RFI that was submitted in 2017 by then, Turris Communications Ltd, there are three options available to the County to improve upon their current Fire Dispatch solution.

1) Additional Towers to Current Configuration

Currently, there are three towers supporting the communications between local fire departments and the CACC. One option that will help improve the incident response coverage issues between CACC, responding fire fighters to scene and incident command is to add additional towers to the configuration and update the equipment at the existing towers.

This will not improve the paging coverage/receipt issues that some fire departments are dealing with. Fire Fighters out of range of the paging radio will continue to not receive pages.

It will, however, improve coverage for those who have received pages and are responding to scene. It will also improve the system performance once incident command has been established.

This option was not discussed in the RFI as new system options were solicited. It would be the least expensive option of the three.

2) Simulcast System

As discussed in the 2017 RFI, simulcast with 8 towers could be established similar to clients of BearCom Canada such as the Corporation of the County of Lanark (analog) and the United Counties of Prescott and Russell (digital).

One of our recommendations to the County was to adopt a simulcast system which would allow for all townships and municipalities within the County to participate in the new system without changing their current equipment.

This option would address all of the current limitations and integrate easily into the new AVTEC Scout E4 Dispatch console.

Pages could be received anywhere within the footprint of the network rather than just within range of the dispatch fire hall radio. A dedicated tactical channel could be established for incident command that could talk to the CACC directly without interfering with the incidents in other areas. Fire fighters would also be able to respond to scene and receive radio updates via voice.

This option would represent the most expensive outlay to the County at minimal cost to the townships.

3) Capacity Max - Digital

At the time of the response to the RFI in 2017, the Connect Plus platform did not yet have a successor. Connect Plus has now given way to Capacity Max technology which is the next step in its evolution. Currently, the County Public Works Department operates on a 6 site mobile/portable system which provides 95% mobile coverage. This network is public safety grade ready and could be converted to Capacity Max in digital format and simply add additional towers to provide the necessary portable coverage.

This would require all municipalities and townships wishing to operate on the new system to adopted Motorola MOTOTRBO technology. However, this would also be the quickest and least expensive option to the county and most expensive to the townships. Perhaps those savings could be used to support township equipment transition.

To replicate voice/data paging, full digital paging would need to be adopted. Analog paging would be data only.

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tait communications

Analog Simulcast over IP: Integrated Voice & Paging Solution

TaitNet AS-IP analog simulcast networks are IP-based analog systems that are specifically designed to provide conventional simulcast analog communications over wide geographic areas.

AS-IP networks can stand-alone, or an analog simulcast overlay can be added to new or existing Tait P25 networks, for analog voice and paging applications.

TaitNet AS-IP networks deliver a lower total cost of ownership by providing advanced functionality with less equipment, better coverage on a single frequency and investment protection for your future needs.

Advanced Functionality

TheTaitNet AS-IP system architecture is composed of a master base station with multiple satellites to form a channel. A console gateway can be added to connect to a dispatch solution. This system can be improved with the Tait Enable suite applicaions or other standard 3rd party analog equipment.

Integrated Equipment

Using significantly less equipment than a typical analog simulcast network, TaitNet AS-IP incorporates voting and site control into the cleverly designed TB9400 base station for efficiency and increased resiliency.

Better Coverage

Simulcast transmission provides a means of achieving wide-area coverage with multiple transmitters utilizing a single frequency for voice and paging solutions.

Investment Protection

The Tait AS-IP network portfolio is based on the latest 9400 Tait products, providing a compact solution that can grow with your customer's needs for both Analog and P25 solutions.

Easy Migration Path

The TaitNet AS-IP network utilizes the latest Tait 9400 products that are also utilized in Tait P25 networks for Phase 1 and Phase 2 operation. This allows for full re-use of our AS-IP hardware platform and licences when customers are ready to migrate to a P25 solution.

© Tait International Limited 2016.

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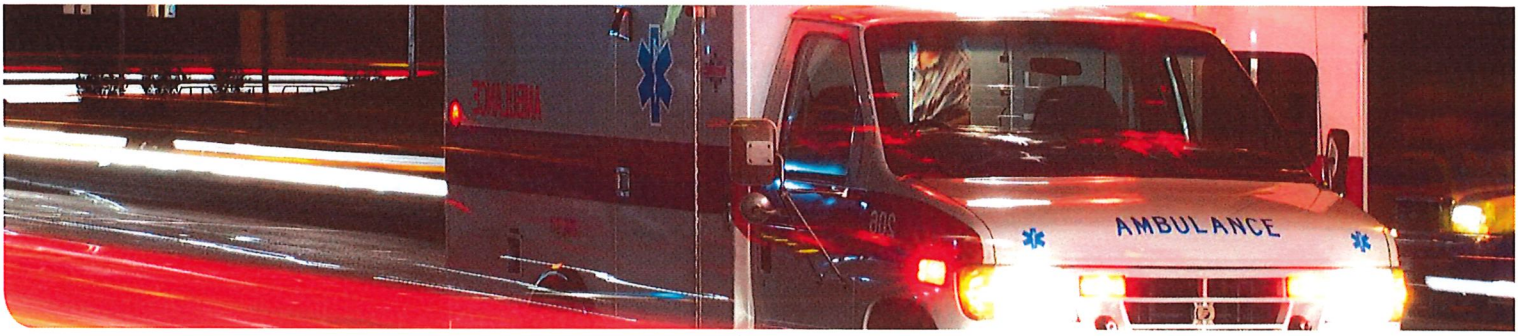
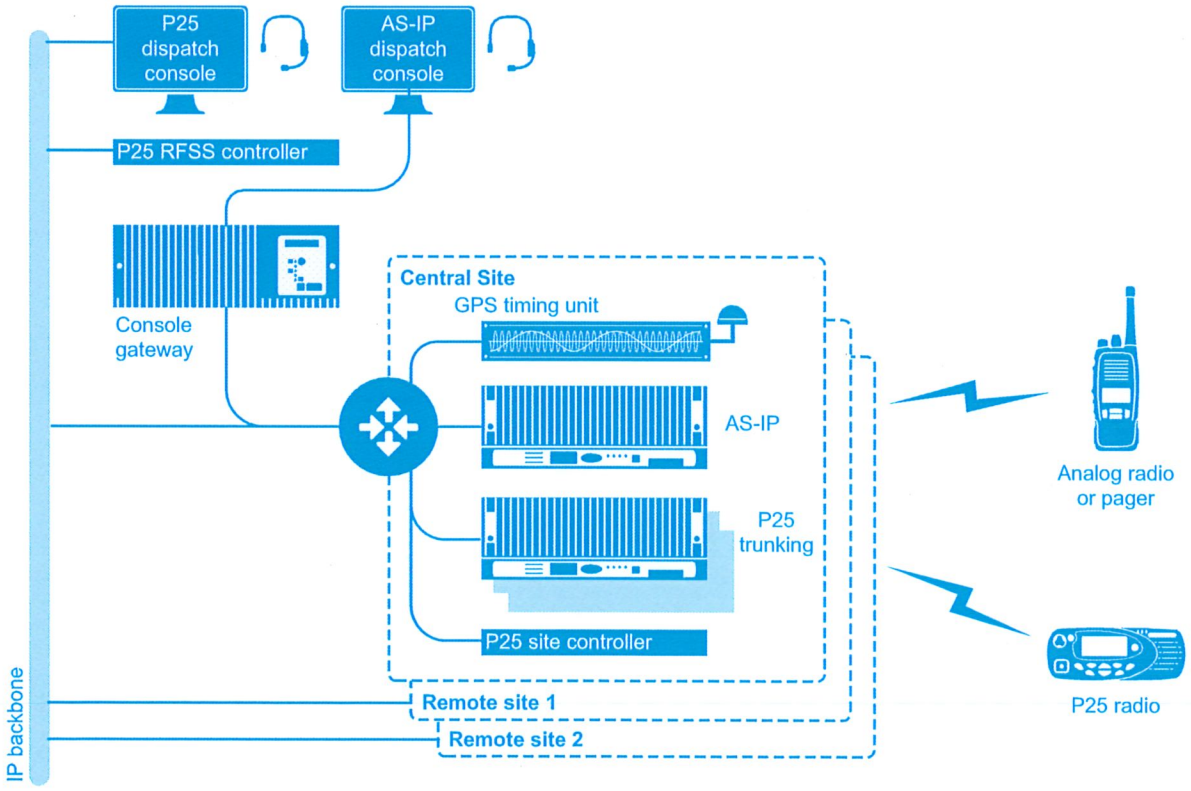


TaitNet AS-IP Analog Simulcast overlay on P25 trunking networks.

AS-IP trunking can complement a P25 network by adding an analog simulcast overlay to a P25 trunking solution, allowing analog voice and paging applications or legacy analog radio users such as mutual aid channels.



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MOTOROLA SOLUTIONS

MOTOTRBO™ CAPACITY MAX

HIGH CAPACITY, COVERAGE AND CONTROL

The next generation of trunking has arrived. MOTOTRBO Capacity Max blends real-world experience with technological innovation to deliver a communications solution that's tailor-made for your organization.

Your communications system is at the heart of your organization: keeping your workers productive and maintaining safety at all times. So when you're a large organization with sophisticated requirements and the highest standards, you should choose the best technology and the most comprehensive solution: MOTOTRBO Capacity Max.

Capacity Max is a trunked radio system with a dedicated control channel at every site. The centralized architecture reduces deployment complexity and operational cost, while increasing flexibility and scalability. The system offers a crisp, responsive user experience, with high security and reliability. And a suite of built-in tools and applications gives you complete control and visibility of your system's operation.

MOTOTRBO SYSTEM TYPES

	CONVENTIONAL	IP SITE CONNECT	CAPACITY PLUS	CONNECT PLUS	CAPACITY MAX
	NON - TRUNKING		TRUNKING		
	BASELINE CAPACITY AND COVERAGE	ENHANCED COVERAGE	COST-EFFECTIVE COVERAGE AND CAPACITY	COVERAGE AND CAPACITY	CAPACITY, COVERAGE AND CONTROL
	SINGLE SITE	UP TO 15 SITES	UP TO 15 SITES	UP TO 250 SITES	UP TO 250 SITES
	UP TO 200 USERS	UP TO 200 USERS	UP TO 1600 USERS PER SITE	UP TO 3000 USERS PER SITE	UP TO 3000 USERS PER SITE

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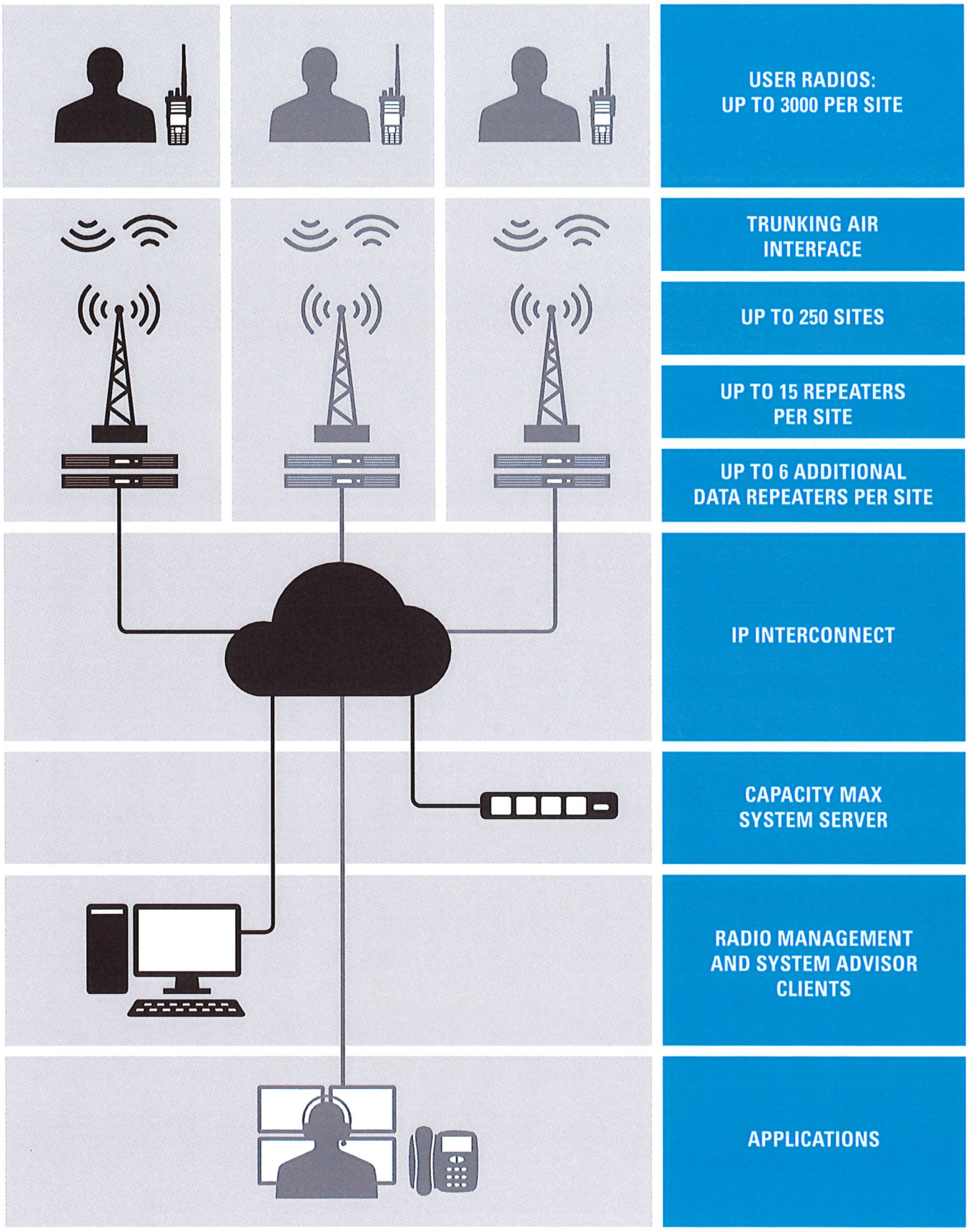
SYSTEM ARCHITECTURE



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HIGH CAPACITY, COVERAGE AND CONTROL

HIGH PERFORMANCE

Capacity Max has a fast, responsive user experience, with robust performance under load and rapid, smooth roaming across sites. Security is a high priority, with options for authentication, access control and encryption. And to ensure optimum operation, Capacity Max incorporates sophisticated fault management and call monitoring tools.

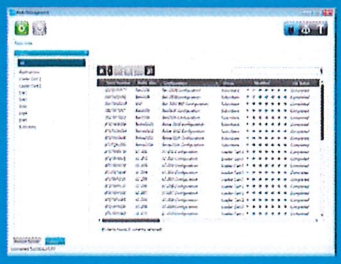
EFFICIENT

The system is built around a standardized IP network: there is no requirement for specialized interconnections. Signaling and traffic flow has been optimized to make the most efficient use of network bandwidth. The Capacity Max System Server (CMSS) centralizes control and management functions, as well as hosting voice applications gateways.

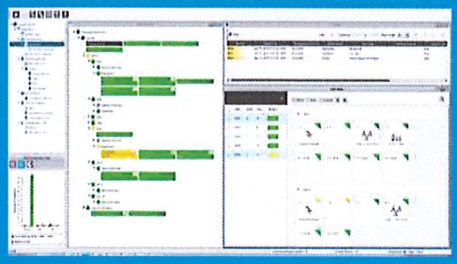
SCALABLE

Capacity Max is scalable to 250 sites, with up to 15 voice and data repeaters and up to 6 additional data-only repeaters per site, giving high-quality connectivity to up to 3,000 users at each location. The system uses standardized infrastructure, so you can migrate to Capacity Max from a MOTOTRBO IP Site Connect, Capacity Plus or Connect Plus system and reuse your earlier investment.

RADIO MANAGEMENT



SYSTEM ADVISOR



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RADIO COMPATIBILITY

XPR 7000 and XPR 7000e Series

SL 7000 and SL 7000e Series

XPR 5000 and XPR 5000e Series

APPLICATIONS

Capacity Max supports a broad ecosystem of voice and data applications from the MOTOTRBO Application Developer Program.

For Control Room Solutions, Capacity Max supports the Motorola Sold and Supported **SmartPTT PLUS , TRBOnet PLUS and AVTEC Scout.**

To find out more about Capacity Max, please go to motorolasolutions.com/mototrbo

Motorola Solutions, Inc. 500 West Monroe Street, Chicago, Il 60661 U.S.A. **motorolasolutions.com**

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DIGITAL
REMASTERED.

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PROPOSED PRICING

Please see the attached pricing proposal which is valid until December 31, 2023

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Proposal

Quote Number: 566601
Quote Date: 2023-01-18
Branch: 40520

Printed On: 2023-03-13 10:37:28
Page: 1

Customer/Prospect Number - 1976675
RENFREW, COUNTY OF
9 INTERNATIONAL DR
PUBLIC WORK DEPT.
PEMBROKE ON -K8A 6W5

Ship To - 1976675
RENFREW, COUNTY OF
9 INTERNATIONAL DR
PUBLIC WORK DEPT.
PEMBROKE ON -K8A 6W5

Customer Contact:	LEE PERKINS	**Customer Email:**	lperkins@countyofrenfrew.on.ca
Phone Number:	(613) 735-7288	**Delivery Instr:**	

Quantity	Part Number	Unit Price	Extended Price
5	DSSFWSCOUTE4T1SK AVTEC SCOUT E4 TIER 1 CONSOLE SOFTWARE AUDIO PKG, INCL IRR	9,750.00	48,750.00
5	DSACCCPUDTWIN10 AVTEC PC W/DUAL NIC,WIN 10 PR FOR SCOUT CONSOLE PACKAGES	3,375.00	16,875.00
5	DSACCLED22WS AVTEC LED DISPLAY 22" WIDESCRN HDMI INPUT NON-TOUCH	325.00	1,625.00
10	DSACCUSBHJB AVTEC USB JACK BOX FOR CONSOLE	1,350.00	13,500.00
5	DSACCUSBMIC AVTEC USB PTT DESK MIC FOR SOFTWARE CONSOLE	1,050.00	5,250.00
5	DSACCUSBRELAY AVTEC USB RELAY MODULE FOR SOFTWARE MEDIA WORKSTATION	650.00	3,250.00
5	DSACCUSBSPK2 AVTEC USB DUAL SPEAKER KIT	1,550.00	7,750.00
5	DSUSBHUB10 AVTEC 10 PORT USB HUB, USB 3.0	225.00	1,125.00
5	DSACCHED6WNC AVTEC 6W HEADSET, PLANTRONICS SUPRA H251 W/ PLUG-PRONG BASE	500.00	2,500.00
1	DSSFWVPGL0SK AVTEC REDUNDANT VPGATE SOFTWR MAX 24 ENDPOINTS, UP TO 12 "B"	11,750.00	11,750.00
2	DSACCCPUSTD2019 AVTEC INDUSTRIAL 1U COMPUTER SS HD WINDOWS 2019 SERVER	15,750.00	31,500.00
2	DSOUTPOST-2R AVTEC OUTPOSTPLUS RADIO GATEWY VOIP 2PORT POE P/S NOT INCL	4,700.00	9,400.00
2	DSOUTPOST-AC-ADAPT 120 VAC TO 12 VDC POWER SUPPLY (1 PER OUTPOST)	130.00	260.00
4	DSOUTPOST-RJ-CONN AVTEC ETHERNET SWITCH MANAGED 24 PORT	75.00	300.00
1	DSSFWMDC1 LICENSE TO ADD MDC1200 ANI capability to an OUTPOST-2R	720.00	720.00
1	DSACCNETWK24PSFP AVTEC MOUNT KIT ACC-CPU-RM-201 WIN7 OR -XP IN 19 RELAY RACK	5,100.00	5,100.00
2	DSACC-MTG-1U-RR AVTEC OUTPOSTPLUS POWER SUPPLY NORTH AMERICA VERSION	350.00	700.00

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Quantity	Part Number	Unit Price	Extended Price
1	DSOUTPOST-RACKMNT AVTEC OUTPOSTPLUS RACK SHELF RACKMOUNT - HOLDS 2 UNITS	250.00	250.00
4	DSSCOUTCARET1 AVTEC SCOUTCARE 1 ADDITIONAL YEAR 2- 5	9,150.00	36,600.00
4	DSHARDWARE AVTEC ANNUAL HARDWARE MAINT YEAR 2- 5	4,100.00	16,400.00
1	NEXLOG740DX-SMFD NEXLOG 740 DX-SERIES BASE SYST RECORDER	18,750.00	18,750.00
1	2402-003 SECURESYNC 2400 TIME & FREQUEN with 2 expansion slots for opt	9,380.00	9,380.00
1	CA08R-D500-0001 SECURESYNC 2400 INPUT/OUTPUT B	465.00	465.00
1	1204-0F SECURESYNC OPTION CARD 3X DRY	820.00	820.00
1	SFP-COPPER SFP MODULE FOR COPPER INTERFAC	470.00	470.00
1	8230 GPS/GNSS OUTDOOR ANTENNA	700.00	700.00
1	8226 GPS SURGE PROTECTOR, HIGHLY RE	720.00	720.00
1	ANT-KT RUGGED POST MOUNT KIT COMPATIB	320.00	320.00
1	8235 1" SCHEDULE 40 PVC PIPE FOR MO	200.00	200.00
1	CA01-0N0N-3050 GPS 50 FT. COAX ANTENNA CABLE	650.00	650.00
5	9SX1000 EATON 9XS PF UPS 1000VA 900W 5-15P INPUT 120VAC	1,975.00	9,875.00
5	9PX3000RT EATON 9PX RT UPS 3000VA 2700W 120V	6,365.00	31,825.00
3	RL10-38 38 RMU SPACE RELAY RACK, 72IN MIDDLE ATLANTIC	450.00	1,350.00
1	MISC	630.00	630.00
80	INSTALL CONSOLE STAGING	115.00	9,200.00
56	INSTALL CONSOLE INSTALLATION	115.00	6,440.00
8	INSTALL CONSOLE COMMISSIONING	115.00	920.00
24	INSTALL TRAINING PACKAGE	115.00	2,760.00
30	INSTALL PROJECT DESIGN	115.00	3,450.00
12	INSTALL PROJECT DOCUMENTATION	115.00	1,380.00
1	DSDISP-KVM-FF-RR AVTEC 1U LCD FOLDING DISPLAY	4,300.00	4,300.00
1	MISC	500.00	500.00

Quote valid until:	2023-12-31	Confidential and Proprietary

X_____
Customer Signature

Sub Total	318,710.00	
Shipping and Handling	TBD	Estimate
Tax	42,166.80	Tax Estimate
Total	360,876.80	

PATRICK MAGUIRE
Account Executive
Pat.Maguire@BearCom.com

OTTAWA Branch Office: 613-739-3636

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