



AGENDA ITEM #18

**AGENDA ITEM EXECUTIVE SUMMARY
Village Board Meeting
11/28/2022**

Item Title: Norcomm Fire Alarm Monitoring Agreement

Staff Contact: Mark Bozik, Fire Chief

NEW BUSINESS

VILLAGE BOARD ACTION:

Provide direction to staff in regard to an agreement with Norcomm for the monitoring of fire alarms within the Village.

Executive Summary:

The Village has contracted with Norcomm for over ten (10) years to provide exclusive fire alarm monitoring services that connect fire alarm systems within the Village directly to the Village’s 911 system. In October 2020, the Village updated its Building Code requirements with provisions that all fire alarm systems, except one (1) and two (2) unit family dwellings, must be monitored by Norcomm. Connecting directly to the 911 system reduces the call handling time by approximately two (2) minutes and allows for the Village’s fire prevention bureau to monitor the fire alarms for proper operations, ultimately providing better life safety services to commercial and multi-family properties.

Earlier this year the Board of Directors of DuComm, the Village’s 911 provider, approved a fee increase for the amount DuComm charges entities to connect directly to the 911 system. DuComm has not increased their monitoring fee since 2008, and Norcomm has not increased their equipment lease fee since 2014. Due to the fee increase from DuComm and the feedback generated from subjected private property owners, staff has negotiated the attached draft 3-year agreement with Norcomm to allow additional fire alarm radio equipment purchasing options to keep private costs lower while remaining consistent with the Village’s Building Code requirements.

The current cost to lease Norcomm equipment including monitoring fees paid to Norcomm, Ducomm and the Village is \$72 per month. Effective 2023 the lease will increase by \$2.00 per month, in 2024 the lease will increase \$2.25 per month and in 2025 the lease will increase is \$2.25 per month. The Village’s fee will not increase for the duration of the new contract. Below is a table of current comparable communities’ leasing fees:

Community	Lease Fee
Elmhurst	\$85
Lombard	\$70
Mundelein	\$73
Oak Brook	\$99
Roselle (current)	\$72
Roselle (2023)	\$74
Roselle (end of 2025)	\$78.50
Westmont	\$75

At the request of business and property owners, staff has negotiated as part of the Norcomm agreement the option to purchase the radio equipment outright from Norcomm versus leasing. For 2023, businesses can purchase the radio equipment for a \$1200 one-time fee. The monitoring fee for businesses that purchase the equipment is \$30.50 for 2023, \$32.75 for 2024 and \$35.00 for 2025 (see attached fee sheet).

If the Board directs staff to proceed with advancing the Norcomm agreement, Norcomm will enter into a new agreement directly with Ducomm on the Village's behalf. Staff will also continue to communicate with business owners and property owners the new pricing options for alarm monitoring services and enforcement of the Village's Building Code.

Implications:

Is this item budgeted? Yes, the FY2023 Budget includes \$25,000 in revenue for fire alarm monitoring fees.

Estimated cost: n/a

Any other implications to be considered? [Click here to enter text.](#)

Strategic Priority:

Operational Sustainability

Attachments:

Draft Norcomm Agreement
Fee Sheet

NORCOMM

PUBLIC SAFETY COMMUNICATIONS, INC.

**EXCLUSIVE LICENSE AGREEMENT FOR WIRELESS ALARM RECEPTION
FOR THE
VILLAGE OF ROSELLE**

January 1, 2023 through December 31, 2025

This Exclusive License Agreement is made and entered into this 1st day of January 2023, by and between NORCOMM Public Safety Communications, Inc., an Illinois Corporation, (hereafter referred to as "Contractor"), and the Village of Roselle, an Illinois Municipal Corporation (hereafter referred to as "VILLAGE"), hereafter referred to individually as "Party" and collectively as "Parties".

WHEREAS, Contractor is a Licensed Private Alarm Contract Agency as licensed by the State of Illinois Department of Financial and Professional Regulation, License No. 127.001002 and Contractor is in the business of furnishing, selling, and maintaining equipment for the reception and communication of burglar and fire alarm signals in the Village of Roselle and elsewhere; and

WHEREAS, the VILLAGE wishes to grant Contractor an exclusive license to provide and maintain an alarm monitoring system that is connected to the VILLAGE'S 9-1-1 Emergency Communication Center for monitoring and receiving alarm signals and acting upon receipt of such alarm signals by , and the Contractor wishes to provide and maintain such a system for governmental and other properties located within the VILLAGE and the VILLAGE's Fire Department's jurisdiction; and

NOW, THEREFORE, in consideration of the foregoing recitals and the mutual covenants and promises hereinafter set forth, the Parties hereto have agreed and do hereby agree as follows:

Article 1: Term

This Agreement shall be effective on January 1, 2023 and shall remain in effect for a period of three (3) years and shall end at 11:59PM on December 31, 2025. In the event that this agreement is not terminated by either party pursuant to the terms of this Agreement or by providing written notice 180 days prior to the end of the contract, the term of this agreement shall automatically renew for successive three (3) year terms and all fees reflected within this agreement shall increase by 5% each and every year after the initial term.

Article 2: Cancellation

- a. Either party may cancel this agreement at any time without cause by providing a ninety (90) calendar days' written notice via certified letter to the other party, in accordance with Article 14.
- b. Either party may terminate this Agreement upon sixty (60) calendar days' written notice if the other party commits a material breach of this Agreement which remains uncured during such sixty (60) calendar day notice period. Should the terminating Party fail to permit the other party to cure any breach within the sixty (60) day period after written notice, then said breach shall not constitute a material breach for termination of this agreement. All notices must be sent in accordance with Article 14.
- c. Contractor may terminate this agreement upon sixty (60) calendar days' written notice if Contractor is unable to negotiate a commercially reasonable contract with VILLAGE'S 9-1-1 Emergency Communication Center, which as of the date this Agreement is entered is DuPage Public Safety Communications (DUCOMM), who is responsible for receiving and acting upon alarm signals transmitted by Contractor's system.

Article 3: Contractor's Obligations

- a. Throughout the term of this Agreement, Contractor will provide the following alarm transmission services for those properties listed on **Addendum A**.

1. Contractor will provide up to ten (10) Radio Transceivers for existing and future municipal properties for VILLAGE at no cost to VILLAGE. The VILLAGE properties to be monitored are set forth on Addendum A to this Agreement. VILLAGE shall provide Contractor with written notice of any desired additions or deletions to Addendum A.
 2. Contractor will provide trained and qualified personnel to service the alarm transmission equipment at those locations identified in **Addendum A** twenty-four (24) hours per day, seven days per week throughout the term of this Agreement.
- b. Contractor will provide personnel to service the alarm transmission equipment, as identified in **Addendum C**, on a 24-hour basis and with a 2 (two) hour response time, barring unforeseen circumstances. VILLAGE shall not be responsible for maintenance, repair, or replacement of the equipment during the term of this Agreement; said maintenance, repair or replacement of equipment shall be the sole responsibility and obligation of Contractor. Contractor shall have no obligation to respond to subscribers who chose to purchase (as opposed to lease) a wireless transceiver. For subscribers who opt to purchase a wireless transceiver from Contractor, but do not opt to contract with Contractor for maintenance and support, those subscribers are responsible for the maintenance of their wireless transceivers and those subscribers are responsible for keeping their subscriber units in good working order and functional at all times. Contractor reserves the right to deactivate purchased subscriber units if subscriber fails to keep its purchased wireless transceiver in good working order to avoid harm to Contractor's wireless mesh network. With the exception of wireless transceivers sold by Contractor to subscribers, all other equipment provided by Contractor shall be the property of Contractor. Except for wireless transceivers sold by Contractor to subscribers, VILLAGE acknowledges that all equipment installed in accordance with this Agreement is owned by Contractor and in the event this Agreement is terminated for any reason, Contractor shall have the right to remove and take possession of its equipment. In order to allow for a reasonable transition in the event of termination of this Agreement, Contractor's equipment may not be removed prior to 90-calendar days written notice.
- c. Except for the ten (10) VILLAGE properties referenced in Article 3, (a) (1), Contractor shall reimburse the VILLAGE \$9.50 per month, but only for each current and paid subscriber within the Village that are connected to Contractor's system located within the VILLAGE. Contractor is reimbursing VILLAGE for the Exclusive License Agreement and for space on and within VILLAGE property to house and operate Contractor's head end equipment which receives subscribers' alarm signals and transmits those alarm signals to VILLAGE's Emergency Communication Center, Du Page Public Safety Communications (DUCOMM). A list of subscribers as of October 21, 2022, is attached as **Addendum B**. Contractor shall provide an updated list of Addendum B for each and every quarter of each year of this Agreement reflecting those subscribers' who are current with their payments. The quarters of each Year are as follows: Quarter 1 is January, February, and March. Quarter 2 is April, May, and June. Quarter 3 is July, August, and September. Quarter 4 is October, November, and December. Contractor shall make reimbursement payment to VILLAGE for each current and paid subscriber within ninety (90) calendar days after the close of each quarter.

Article 4: VILLAGE's Obligations

- a. In Consideration of VILLAGE's granting of Contractor an exclusive license to provide and maintain an alarm reception system within the VILLAGE'S Fire Department's jurisdiction to transmit alarm signals to the Village's Emergency Communication Center for those subscribers connected to Contractor's system located within the Village of Roselle, VILLAGE agrees that it shall not grant any other person or entity the right and ability to

provide and maintain any alarm reception system to be monitored at the VILLAGE's Emergency Communication center.

b. **Leased Wireless Transceivers**

Except for the ten (10) VILLAGE properties referenced in Article 3, (a) (1), VILLAGE acknowledges and agrees that Contractor will charge new and current subscribers who opt to lease a wireless transceiver from Contractor an initial installation fee of \$299.00 for each Keltron Wireless Transceiver (subscriber units). The monthly lease fees for a Keltron Radio Transceiver will be \$49.50 per month, per each subscriber in Year 1. The monthly monitoring fee charged to each subscriber for this connection will be \$24.50 per month, per subscriber and per position in Year 1. The combined total fee to be charged by Contractor to subscribers within VILLAGE shall be \$74.00 per month, per each subscriber, during Year 1 unless changed by written agreement of VILLAGE and Contractor.

Except for the ten (10) VILLAGE properties referenced in Article 3, (a) (1), VILLAGE acknowledges and agrees that Contractor will charge new and current subscribers who opt to lease a wireless transceiver an initial installation fee of \$299.00 for each Keltron Wireless Transceiver (subscriber units). The monthly lease fees for a Keltron Radio Transceiver will be \$50.50 per month, per each subscriber in Year 1. The monthly monitoring fee charged to each subscriber for this connection will be \$25.75 per month, per subscriber and per position in Year 2. The combined total fee to be charged by Contractor to subscribers within VILLAGE shall be \$76.25 per month, per each subscriber, during Year 2 unless changed by written agreement of VILLAGE and Contractor.

Except for the ten (10) VILLAGE properties referenced in Article 3, (a) (1), VILLAGE acknowledges and agrees that Contractor will charge new and current subscribers who opt to lease a wireless transceiver an initial installation fee of \$299.00 for each Keltron Wireless Transceiver (subscriber units). The monthly lease fees for a Keltron Radio Transceiver will be \$51.50 per month, per each subscriber in Year 3. The monthly monitoring fee charged to each subscriber for this connection will be \$27.00 per month, per subscriber and per position in Year 3. The combined total fee to be charged by Contractor to subscribers within VILLAGE shall be \$78.50 per month, per each subscriber, during Year 2 unless changed by written agreement of VILLAGE and Contractor.

All leased subscriber units provided by Contractor to subscriber shall include basic and routine maintenance of each subscriber unit. Basic and routine maintenance of the subscriber unit shall include no more than two service calls per year at no additional cost and as determined by Contractor using information provided by its system. In addition, the annual maintenance agreement shall include basic and routine maintenance of the subscriber unit and shall include no more than two service calls per year at no additional cost to the subscriber and as determined by Contractor using information provided by Contractor's system. In addition, basic maintenance shall include replacement of back-up batteries within the subscriber owned unit as recommended by the battery manufacturer or as reported by Contractor's system. However, if battery replacement is required prior to the battery manufacturer's specification and/or replacement is needed due to excessive use of back-up battery, Contractor shall have the right to charge a service call fee of \$125.00 and a fee for the actual cost of the replacement battery, plus a reasonable administrative fee.

c. **Purchased Subscriber Units**

For subscribers who opt to purchase the wireless transceiver from Contractor as opposed to leasing, Contractor shall charge the subscriber for the purchase of the wireless transceiver \$1,200.00 for the sale of a wireless transceiver unit in Year 1. The purchase price for Year 2 and Year 3 shall be the actual manufacturer's suggested retail price (MSRP) for the given Year of service. Contractor shall charge the subscriber a \$299.00 installation fee for the installation of the wireless transceiver unit. Subscribers who opt to purchase a wireless transceiver from Contractor shall have the option to purchase an annual maintenance agreement from Contractor in the amount of \$240.00 in Year 1. For Year 2 and Year 3 of this Agreement, Contractor shall charge a maintenance fee of not greater than 20% of the MSRP of the Wireless Transceiver for the given Contract Year. The annual maintenance agreement shall include basic and routine maintenance of the subscriber unit and shall include no more than two service calls per year at no additional cost to the subscriber and as determined by Contractor using information reported to Contractor by Contractor's system. In addition, basic maintenance shall include replacement of back-up batteries within the subscriber owned unit as recommended by the battery manufacturer or as reported by Contractor's system. However, if battery replacement is required prior to the battery manufacturer's specification and/or replacement is needed due to excessive use of back-up batteries, Contractor shall have the right to charge a service call fee to subscriber of \$125.00 plus a fee for the actual cost of the replacement battery and a reasonable administrative fee.

Subscribers who do not select the optional annual maintenance agreement available through Contractor shall solely be responsible for keeping their wireless transceiver in good working order and free from defect. In addition, subscribers shall solely be responsible for the costs associated with the repair, maintenance, and replacement of purchased wireless transceivers and the replacement of back-up batteries. Contractor will honor all manufacturer's warranties, provided that the manufacturer allows Contractor to honor such warranty, but any costs outside of the manufacturer's warranty will be the sole responsibility of the subscriber at actual costs plus a reasonable administrative fee and plus any hourly labor fees which shall be billed at \$125.00 per hour.

Subscribers who choose to purchase a wireless transceiver will be charged a monthly connection fee by Contractor as follows: \$30.50 in Year 1, \$32.75 in Year 2, and \$35.00 in Year 3.

- d. The Parties agree that if there is an increase in Contractor's equipment or service costs during the term of this Agreement, Contractor may request the corporate authority of the Village to consider a new commercially reasonable monthly installation and/or subscriber fee.
- e. VILLAGE acknowledges that Contractor is required by Village to subcontract the monitoring of the alarm signals to DUCOMM, and Contractor shall have no obligation or responsibility to monitor or act upon alarms signals transmitted by Contractor's system to DUCOMM from governmental or private property alarm systems.

Contractor shall reimburse DUCOMM in Year 1 \$15.00 per month, per each current and paid subscriber. Contractor shall reimburse DUCOMM in Year 2 \$16.25 per month, per each current and paid subscriber. Contractor shall reimburse DUCOMM in Year 3 \$17.50 per month, per each current and paid subscriber. Contractor shall make reimbursement payment to DUCOMM within ninety (90) calendar days after the close of each quarter. The quarters for purposes of this section shall be the same as those defined in section 3c of this Agreement.

- f. VILLAGE will provide space for the storage and maintenance of the equipment described in **Addendum C** at VILLAGE's Police Department ("Premises"). VILLAGE will provide Contractor with access to Premises and equipment at all times.

Article 5: Insurance

Contractor shall provide:

- a. **Workers' Compensation Insurance.** Contractor shall purchase, and upon request shall provide evidence that it has secured workers' compensation insurance for its employees in amounts required by Illinois law.
- b. **Comprehensive General Liability Insurance.** Contractor shall purchase, and upon request shall produce evidence that it has secured, comprehensive general liability insurance with a minimum of \$1,000,000 (one million dollars) combined single limit of liability, with an "umbrella" or excess insurance coverage on a following form basis to the underlying coverage of a minimum of \$5,000,000. Contractor may purchase a single excess policy for both CGL and professional liability coverage.

Article 6: Personnel as Employees of Contractor

Each employee employed by Contractor and assigned to install, maintain and repair subscriber units and alarm reception equipment (head end equipment) within the VILLAGE shall be employees of Contractor only and not the VILLAGE. The Contractor shall be responsible for payment of all wages, FICA withholding, income tax withholding, unemployment insurance, workers' compensation insurance, and all other requirements of local, state or federal law for all personnel provided by Contractor pursuant to the terms of this Contract.

Article 7: Administration

Contractor shall keep complete and detailed books and records which accurately reflect all matters relating to the services rendered under this Agreement. VILLAGE shall have the right to inspect, review, and copy the records maintained by the Contractor related to this agreement upon request.

Article 8: Relationship of the Parties

It is expressly understood that Contractor shall at all times operate as an independent contractor and shall not at any time be or operate as the agent or employee of the VILLAGE, or as a joint venturer with the VILLAGE. This Agreement is not for the benefit of any other party, whether or no referred to herein. A waiver or breach of any term of this Agreement shall not waive a prior or subsequent breach. All remedies shall be cumulative and pursuit of any one remedy shall not waive any other.

Article 9: Compliance with Regulations

The VILLAGE and Contractor shall adhere to all county, state and federal rules, regulations, codes, ordinances, and charters as they may apply. The VILLAGE shall not require the Contractor's employees to perform any act which is contrary to the duties outlined in this Agreement or in violation of county, state and federal rules, regulations, codes or ordinances..

Article 10: Compliance with Antidiscrimination Laws

To the extent applicable, the parties shall comply with the following:

- a. **State of Illinois Discrimination Laws (775 ILCS 5/101/ et. Seq.)**. In carrying out the performance required under this contract the VILLAGE and Contractor shall comply with all applicable provisions of the Illinois Human Rights Act, and rules and regulations promulgated by the Illinois Department of Human Rights, prohibiting unlawful discrimination in employment.
- b. **Drug-Free Workplace Act (30 ILCS 580/1, et. Seq.)**. All parties must comply with all of the provisions of the Drug-free Workplace Act, which are applicable to the Contractor. False certification or violation of the requirements of the Drug-free Workplace Act may result in sanctions including, but not limited to, termination of this contract.
- c. **Freedom of Information Act (ILCS 140/1 et. Seq.)**. Documents obtained by the VILLAGE pursuant to this contract shall be administered pursuant to the Freedom of Information Act.
- d. **Educational Loan Default Act (5 ILCS 385/3)**. The Contractor certifies that this contract is not in violation of the Educational Loan Default Act prohibiting certain contracts to individuals who are in default on an educational loan.

Article 11: Indemnification

Contractor agrees to defend, indemnify, and hold the VILLAGE, its officers, employees, insurers and attorney's harmless from and against any loss, liability, cost or expense (including reasonable attorneys' fees and court costs) which VILLAGE may sustain or incur if, and to the extent that such loss, liability, cost or expense arises out of the negligence or willful misconduct of the Contractor, its officers, directors, agents or employees, in rendering services under this Agreement.

The VILLAGE agrees to defend, indemnify and hold the Contractor, its officers, agents, employees, insurers and attorney's harmless from and against any loss, liability, cost or expense (including any reasonable attorneys' fees and court costs) which Contractor may sustain or incur if, and to the extent such loss, liability, cost or expense arises out of the negligence or willful conduct of the VILLAGE, its officers, directors, agents or employees, in rendering services under this agreement.

Article 12: Non-Solicitation Agreement

The VILLAGE agrees not to solicit for the purpose of hiring any of Contractor's employees to perform like services for the VILLAGE for the duration of this agreement and for one year after the termination of this agreement unless mutually agreed by Contractor and VILLAGE in writing.

Article 13: Counterparts

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

Article 14: Notices

All notices provided for or permitted herein shall be in writing and shall be delivered personally or sent by United States certified or registered mail, postage prepaid, return receipt requested,

directed to the parties at the following addresses or to such address as any party shall designate by notice delivered or sent in the above manner.

If a notice is sent by mail, it shall be deemed to have been received by the addressee two (2) business days after the post marked date which it bears.

Contractor:

Vice President
NORCOMM Public Safety Communications, Inc.
395 West Lake Street
Elmhurst, Illinois 60126

Village of Roselle:

Village President
Village of Roselle
31 S. Prospect St.
Roselle, IL 60172

Article 15: Governing Law

This Agreement shall be construed in accordance with, and governed by the laws of Du Page County, Illinois.

Article 16: Severability

If any portion of this contract is determined to be invalid by subsequent passage of law or court interpretation that portion shall be removed from this contract. All other portions of this contract shall remain in full force and effect.

Article 17: Authority

The VILLAGE represents that this Agreement is executed pursuant to authority granted to it by and in accordance with the laws of the State of Illinois. This Agreement may not be modified unless by written agreement, signed by each and every party hereto.

[REMAINDER OF PAGE INTENTIONALL LEFT BLANK]

IN WITNESS WHEREOF: the Parties have executed this Agreement this ____ day of _____

Village of Roselle

As its Village President

Date

NORCOMM PUBLIC SAFETY COMMUNICATIONS, INC.

As its Executive Director

Date

DRAFT

ADDENDUM A

Municipal Building List

A list of Municipal facilities provided services as identified in this agreement.

DRAFT

ADDENDUM B

**List of Norcomm Public Safety Communications, Inc. Subscribers for Wireless Alarms
within the Village of Roselle**

(Provided as a separate attachment via an Excel Spreadsheet)

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ADDENDUM C

Fire Alarm Monitoring Equipment List

A list of Fire and Burglar Alarm Monitoring Equipment located at VILLAGE's Police Department to be maintained by the Contractor.

The Contractor will maintain the following head and equipment for the reception of Direct Connect Alarm signals and the reception of Wireless Alarm Signals to be forwarded to Ducomm for Monitoring.

		<p>Software - Keltron LS 7000 Life-Safety Event Management Software System <u>Note:</u> All standard Keltron LS 7000 clarification notes are applicable. <u>Note:</u> An End User License Agreement (EULA) will be provided upon receipt of purchase order, requiring End Customer signature and return to Keltron</p>
1.00	LS7KFD-V5-0-X	<p>Single or Multi-User Software Installation media Thumb Drive - LS 7000 Installation and Recovery Thumb Drive - Intended to accompany a system or a PC computer purchase - not to replace lost or damaged installation media</p>
1.00	LS-eMANUALS	<p>LS 7000 System Support Accessories and Options Manuals - LS 7000 System Manual Set in electronic format only</p>
1.00	LS-SMTP	<p>LS 7000 System Optional software Optional Email Module - Programmable SMTP Email Output Module.</p>
		<p>Computers and Integration Software for Keltron LS 7000 System <u>Note:</u> to improve performance, PC hardware specifications are subject to change without notice. <u>Note:</u> UL 864 server should be checked daily for Windows fault conditions that are only annunciated locally.</p>
1.00	LS7K/ULS224-10	<p>Central Server (UL Listed) - All-in-One Computer. 22" display, 4 serial ports, dual RAID 1 hard drive, UL 864-recognized PC, Windows 10 Enterprise, 64 bit, 21.5" LED 1920 x 1280 dual gigabit LAN, six USB, PS 2, USB Touch screen controller, i5 CPU 2.4 Ghz, DIMM 4 GB, AC power, four (4) DB-9 RS232 serial ports, keyboard, RAID 1 500 GB SATA hard drives, speakers, VGA, DVI, reduced footprint keyboard, mouse, onboard audio, internal speakers, DVD drive, integrated surface acoustic wave touch screen, M4 mounting holes VESA Pattern x 4, server software installation, hardware certification. <u>Note:</u> mounting cabinet, rack, enclosure, console and printer stand are not included.</p>
1.00	LS7000SS2	<p>Software - Server and Service Terminal Software and Setup <u>Note:</u> Redundant monitors as well as redundant touchpad keyboards are required to provide direct server access for a dispatcher or administrator in a redundant system configuration.</p>
1.00	LS7000-UL-SU2	<p>Additional Single User LS 7000 Software for Secondary Server for AFO 2.0</p>
		<p>Receiver Interface Software for monitoring field devices, power and external receivers For Second Server in AFO System</p>
1.00	LS-NETSW-MON2	<p>Receiver Interface Software - LSNET Ethernet Mux Receiver Interface Software for UL-Approved Computer with Auto Failover LS 7000 systems and LS 7000 Systems on UL-Approved Computers which require monitoring of the power source. Monitors the power source monitoring LS Net924 and the LS-AFSW-X smart switch in auto-failover systems.</p>
2.00	LS-RCVR52	<p>Receiver Interface Software - RF7500 RF AFO Receiver Interface Software <u>Note:</u> Requires RS232 serial port in the server. <u>Note:</u> 1 required for each RF7500 receiver.</p>
		<p>LS 7000 System Server Power source monitor for second server in an AFO system</p>
1.00	NET924AC	<p>Ethernet/IP Transceiver: 4 Zone EOL, AC Power <u>Note:</u> One NET924AC is required to provide power supply fault monitoring per server (or for multiple servers with properly configured additional routers) in a UL LISTED System. Does not include NETBX R14 Enclosure or Battery.</p>
1.00	NETBX R14	<p>Transceiver Enclosure - Red, Locking, Wall Mount Enclosure <u>Note:</u> Enclosure measures 14" H x 17" W x 4" D and features a removable door. <u>Note:</u> This enclosure is required to also accommodate Polarity Reversal and 60 hour backup options.</p>
1.00	40B007	<p>Optional Battery - 12 Amp Hour, 12 Volt. For SDACTs, use two (2) in series with 24 VDC SDACT-2 powered by a PS 740-3 or a PS300 for 60 hours of backup... or... use two (2) 40B005 batteries in series for 24 hours of backup time. For LSNET or Auto-Failover Switches - use one (1) with 12 VDC LS NET or Auto-failover switch for 24 hours of backup ...or... two (2) in parallel for 60 hours of</p>

battery backup time. Note: After installing one 12 Amp Hour 12 VDC battery in NETBX R14, a 9" W x 4" H x 4" D space remains available.

\$0.50	1.00	LS-SMTP2	Optional Email Module - Optional Programmable SMTP Email Output Module
			LS 7000 System Optional software for second servr in an AFO System
			Retransmission Software Options-for signal retransmission from secondary LS7000 Servers in AFO System
	1.00	LS7K703XMTR-2	Retransmission Software For Backup Server - DMP703 Data Transmitter over RS-232 Port <u>Note:</u> Requires RS232 serial port in the server. <u>Note:</u> Enhanced to transmit LS7000 or standard automation protocol from RF7500 inputs

Annual Software License, Maintenance & Technical Support Fees Note:

1.00	LS7K-SPT4	LS 7000 Software Server License/Support - For redundant (non-AFO) cold standby 2nd server annual software use licenses and software maintenance/updates. <u>Note:</u> This is in addition to any other
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Keltron RF7500 UL 864 9th Edition Radio System Note: Radio frequency outside the 450-470 MHz range may incur additional costs and may also result in a longer lead time. Head end antennas, surge suppressors and coaxial cable are not included.

1.00	RF-MNSYS-U	Core Redundant Head End Mesh Radio Receiving Station - includes the following
2.00	RF7500/C	Radio System Controller/Signal Processor - 19"W X 3.5"H, (2U) X 12.24", 13.25" including rack handles <u>Note:</u> Includes 6 foot, AC, 3 prong, line cord for connection to UPS. <u>Note:</u> A UPS is required to provide backup AC power and is not included. <u>Note:</u> One static IP address, one RJ 45 network drop and one PSTN line required per RF7500. <u>Note:</u> Mounting cabinet, rack, enclosure or console is not included. <u>Note:</u> 2 of these required. <u>Note:</u> Installer to provide PSTN lines or Keltron telephone line simulator for backup communications between RF7100 and RF7500
2.00	K RF7500	Install Kit For RF7500 Radio Controller - includes surge arrestor power strip, 25 ft phone cable, 21S016 RJ11 to RJ45 adapter, 25 ft RJ 45 ethernet cable, Y cable, 92MRF7500-IS.pdf & 92MRF7500- UM.pdf manuals <u>Note:</u> 2 of these required. <u>Note:</u> Installer to provide PSTN lines or Keltron telephone line simulator for backup communications between RF7100 and RF7500. <u>Note:</u> Installer to provide UL LISTED weather tight enclosure such as a NEMA 4 and NEC compliant earth ground for the surge suppressor (1 required for each antenna)
2.00	21S016	Adapter - RJ11F to RJ45M adapter. Order one for each RF7100 to be connected to a Keltron provided telephone line simulator.
1.00	10D-VPN08FR	Router - Hardware firewall router to closed network <u>Note:</u> Keltron provides a router and pre- configured equipment settings for a closed network system configuration. <u>Note:</u> Keltron provides technical support for the factory default closed network system configuration only
1.00	CU RF7100-	Software Utility - RF7100 Configuration Wizard Software Utility
2.00	00 RF7100C-	Radio to IP Signal Converter - Includes 40B008 battery, 40PS1640 wall transformer and enclosure, 6 foot 9 pin M - F prog. Cable RJ31X jack and 6 foot phone cable, 25 foot RJ45 Ethernet cable (15" H x 13" W x 7" D wall mount) <u>Note:</u> "Y" refers to frequency range. Replace with correct ordering part number after receipt of frequency assignment. <u>Note:</u> One static IP address, one network drop and one PSTN line required per RF7100. <u>Note:</u> 2 of these required . <u>Note:</u> Installer to provide conduit to protect transformer wiring. <u>Note:</u> Installer to provide PSTN lines or Keltron telephone line simulator for backup communications between RF7100 and RF7500. Set frequency to 456.5875 MHZ
2.00	C 10P105/	Printer - Centronics 80 column printer and cable. Note: includes 6 foot connection cable. Note: <i>requires two (2) of these for dual systems.</i>
2.00	LP-KIT1	Surge Protectors - Two RJ45 Network Surge Protectors (P/N 10R4100), one RJ31 Telephone Line Surge Protector (P/N 10R4131) and one RJ11 Telephone Line Surge Protector (P/N 10R4111). <u>Note:</u> Order one LP-KIT1 for an RF-MNSYS1 single RF7100/RF7500 Receiver configuration and two for an RF-MNSYS redundant RF7100/RF7500 Receiver configuration. If the Telephone line simulator is not to be installed as a backup RF7100 communications path in the system order two 10R4100 with an RF- MNSYS1 and four with an RF-MNSYS in lieu of a full lightning protection kit. <u>Note:</u> For installation in accordance with the NEC, follow the manufacturers installation instructions and local regulations.

2.00	63DB9FF-NULL-10	Cable - Connect an RF7500 to LS-7000 or LS-AFSW-1/2 <u>Note:</u> 2 required for a redundant radio head end receiver
1.00	10R04FXS	Optional Simulator: Telephone Line Simulator Instead of PSTN <u>Note:</u> Installer to provide PSTN lines or Keltron telephone line simulator for backup communications between RF7100 and RF7500
1.00	RF-VNCPC	Admin Computer - 2U Rack Mount PC with software for administration access to RF7500 receiver (19" W x 19.6" L x 3.5" H rack mount) <u>Note:</u> Need only 1 per radio system. <u>Note:</u> Requires separate monitor.
1.00	10D319-RM	LCD Monitor - 1 U, Sliding Rail 19" / Touchpad Keyboard (14" H x 17.5" W)
2.00	21S011	Telco RJ31X Jack <u>Note:</u> 2 of these required and only required with RF7500 upgrades
1.00	RF-TOOLSET2	Optional Cable Tool - RG8/U Coaxial Stripper, N Crimp Tool 10R0213/215
1.00	RF-TESTKIT	Optional Radio Tools - SWR Meter, Scanner, Cables, RF Loads and Case

DRAFT

Lease Agreement with Annual Maintenance and Support

Current

Norrcomm	DuComm	Roselle	Total Subscriber Cost
\$48.50	\$14.00	\$9.50	\$72.00

January 1, 2023

Norrcomm	DuComm	Roselle	Total Subscriber Cost
\$49.50	\$15.00	\$9.50	\$74.00

January 1, 2024

Norrcomm	DuComm	Roselle	Total Subscriber Cost
\$50.50	\$16.25	\$9.50	\$76.25

January 1, 2025

Norrcomm	DuComm	Roselle	Total Subscriber Cost
\$51.50	\$17.50	\$9.50	\$78.50

Initial installation is \$299 and not included as part of subscriber cost

Purchase of Radio - No Service Agreement

January 1, 2023

Norrcomm	DuComm	Roselle	Total Subscriber Cost
\$6.00	\$15.00	\$9.50	\$30.50

January 1, 2024

Norrcomm	DuComm	Roselle	Total Subscriber Cost
\$7.00	\$16.25	\$9.50	\$32.75

January 1, 2025

Norrcomm	DuComm	Roselle	Total Subscriber Cost
\$8.00	\$17.50	\$9.50	\$35.00

	Purchase of Radio	Optional Maintenance Agreement / Yearly	Installation
2023	\$1,200.00	\$240.00	\$299.00
2024	TBD	20% of radio cost	\$299.00
2025	TBD	20% of radio cost	\$299.00