

**ILLINOIS STATE POLICE**  
**Office of the Statewide 9-1-1 Administrator**



**State of Illinois**

**Application for**  
**9-1-1 Modification Plan**

# INTRODUCTION

The following document provides the application for submitting a 9-1-1 Modification Plan that will supply the Department of State Police (Department), the Illinois Commerce Commission (ICC), the Statewide 9-1-1 Advisory Board (Advisory Board) and the Statewide 9-1-1 Administrator (Administrator) with the necessary information about your proposal to modify your 9-1-1 system. All modified plans must comply with 83 Ill. Adm. Code Part 1325.

## **LONG FORM MODIFIED 9-1-1 PLAN:**

The following 9-1-1 system changes require Administrator approval:

- 1) Changing boundaries that require an intergovernmental agreement between local governmental entities to exclude or include residents within the 9-1-1 jurisdiction
- 2) Changing or adding a 9-1-1 system provider
- 3) Changes in network configuration, except as provided for in subsection 1325.200(h), (i.e. implementation of a Next Generation 9-1-1 (NG9-1-1) system)
- 4) Change of Backup PSAP arrangement

The Modified Plan must include the following documents:

<b>General Information</b>	Contact and 9-1-1 System information.
<b>Verification</b>	Notarized statement of truth regarding information provided in the plan.
<b>Letter of Intent</b>	Letter that is sent to the 9-1-1 System Provider with a copy of the plan.
<b>Plan Narrative</b>	A summary of the changes of the proposed system's operation.
<b>Financial Information</b>	A summary of anticipated implementation costs and annual operating costs of the modified 9-1-1 system that are directly associated with 9-1-1 as well as the anticipated revenues.
<b>5-Year Strategic Plan</b>	A detailed plan for implementation and financial projections.
<b>Communities Served</b>	A list of all communities that are served by the 9-1-1 System.
<b>Participating Agencies</b>	A list of public safety agencies (Police, Fire, EMS, etc.) who are dispatched by the 9-1-1 System.
<b>Adjacent Agencies</b>	A list of public safety agencies (Police, Fire, EMS, etc.) that are adjacent to the 9-1-1 System's jurisdictional boundaries.

## **Attachments (if applicable):**

<b>Ordinance</b>	Any local ordinances which dissolve an existing ETSB or creates a new ETSB.
<b>Intergovernmental Agreement</b>	Any intergovernmental agreements or MOU's creating a joint ETSB or any other agreements pertinent to the 9-1-1 system.
<b>Contracts</b>	Contract(s) with a 9-1-1 system provider or for NG-9-1-1 service.
<b>Back-up PSAP Agreement</b>	Establishes back-up and overflow services between PSAPs.
<b>Network Diagram</b>	Provided by the 9-1-1 system provider showing trunk routing and backup configuration.
<b>Call Handling Agreements</b>	Call handling agreements shall describe the primary and secondary dispatch method to be used by requesting parties within their respective jurisdictions.
<b>Aid Outside Jurisdictional Boundaries Agreements</b>	Aid outside normal jurisdictional boundaries agreements shall provide that once an emergency unit is dispatched in response to a request through the system, such unit shall render its service to the requesting party without regard to whether the unit is operating outside its normal jurisdictional boundaries.

<b>Carrier Listing</b>	A list of each carrier telephone company(s), exchange(s), prefix(es), and the various 9-1-1 System configurations that will be used in the proposed system.
<b>Test Plan</b>	The 911 System's overall plan detailing how and to what extent the network and data base will be tested.

These modified 9-1-1 Plans must be filed electronically on the Department's website at:

<http://www.isp.state.il.us/Statewide911/statewide911.cfm> where you will see the box below to submit your plan.



Once the plan is submitted, the Department and the ICC will have 20 days to provide a technical review of the plan to submit to the Administrator for approval.

**SHORT FORM MODIFIED 9-1-1 PLAN:**

The following modifications do not need to be submitted electronically on the Department's website.

The 9-1-1 Authority must provide written notification to the Administrator at [911\\_tech\\_support@isp.state.il.us](mailto:911_tech_support@isp.state.il.us) at least 10 business days prior to making the following changes pursuant to Section 1325.200(h). After review, the Administrator will provide a letter of acknowledgment.

- 1) Permanent relocation of an existing PSAP or backup PSAP facility
- 2) Reduction in 9-1-1 trunks from the selective router to the PSAP
- 3) Further reduction of PSAPs within a 9-1-1 Authority beyond consolidation as required by the Act

The notification should include:

**General Information**      Contact and 9-1-1 System information.

**Plan Narrative**            A detailed summary of the changes in the proposed system's operation.

**Attachments (if applicable):**

**Network Diagram**        Provided by the 9-1-1 system provider showing trunk routing and backup configuration

**Call Handling Agreements**      Call handling agreements shall describe the primary and secondary dispatch method to be used by requesting parties within their respective jurisdictions.

# 911 GENERAL INFORMATION

DATE: \_\_\_\_\_

Type of Change: <input type="checkbox"/> Long Form Modification Plan <input type="checkbox"/> Short Form Modification Plan		
Current System Name:	Population Served	Land Area in Sq Miles

List PSAPs:	Primary	Secondary

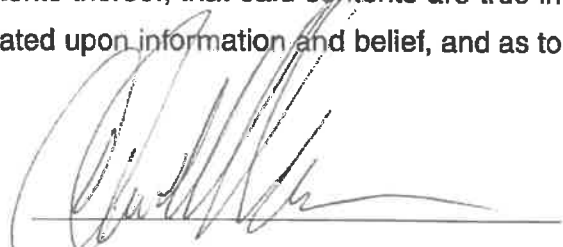
911 System Contact: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
City, State and Zip Code: \_\_\_\_\_  
Office Telephone: \_\_\_\_\_  
Cellular Telephone: \_\_\_\_\_  
Email: \_\_\_\_\_

**Wireless Coverage for Consolidated System:**  
\_\_\_\_\_ % Phase II compliant  
\_\_\_\_\_ % Phase I compliant

**Please check if applicable:**  
\_\_\_\_\_ NG9-1-1 capable  
\_\_\_\_\_ Receive 9-1-1 Text  
\_\_\_\_\_ Receive 9-1-1 Video

# VERIFICATION

I, Chris W. Velkover, first being duly sworn upon oath, depose and say that I am Chairman, of NELCC ETSB; that I have read the foregoing plan by me subscribed and know the contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon information and belief, and as to those, I believe same to be true.

  
Chris W. Velkover, NELCC ETSB Chairman

Subscribed and sworn to before me

this 23 day of June, 2022.

  
NOTARY PUBLIC, ILLINOIS



# 9-1-1 SYSTEM PROVIDER LETTER OF INTENT

6/23/2022

\_\_\_\_\_  
(Date)

Lisa Wirtanen

\_\_\_\_\_  
(9-1-1 System Provider Company Representative)

AT&T

\_\_\_\_\_  
(9-1-1 System Provider Company Name)

4918 W. 95th Street

\_\_\_\_\_  
(Street Address)


Oak Lawn, IL 60453

\_\_\_\_\_  
(City, State, Zip Code)

Dear Lisa Wirtanen \_\_\_\_\_ :

This letter is to confirm our intent to modify our 9-1-1 System. Enclosed is your copy of our modification plan to be filed with the Department of the Illinois State Police for approval. Thank you for your assistance in this matter.

Sincerely,



Chris Velkover  
NELCC ETSB Chairmain

enclosure: Modification Plan

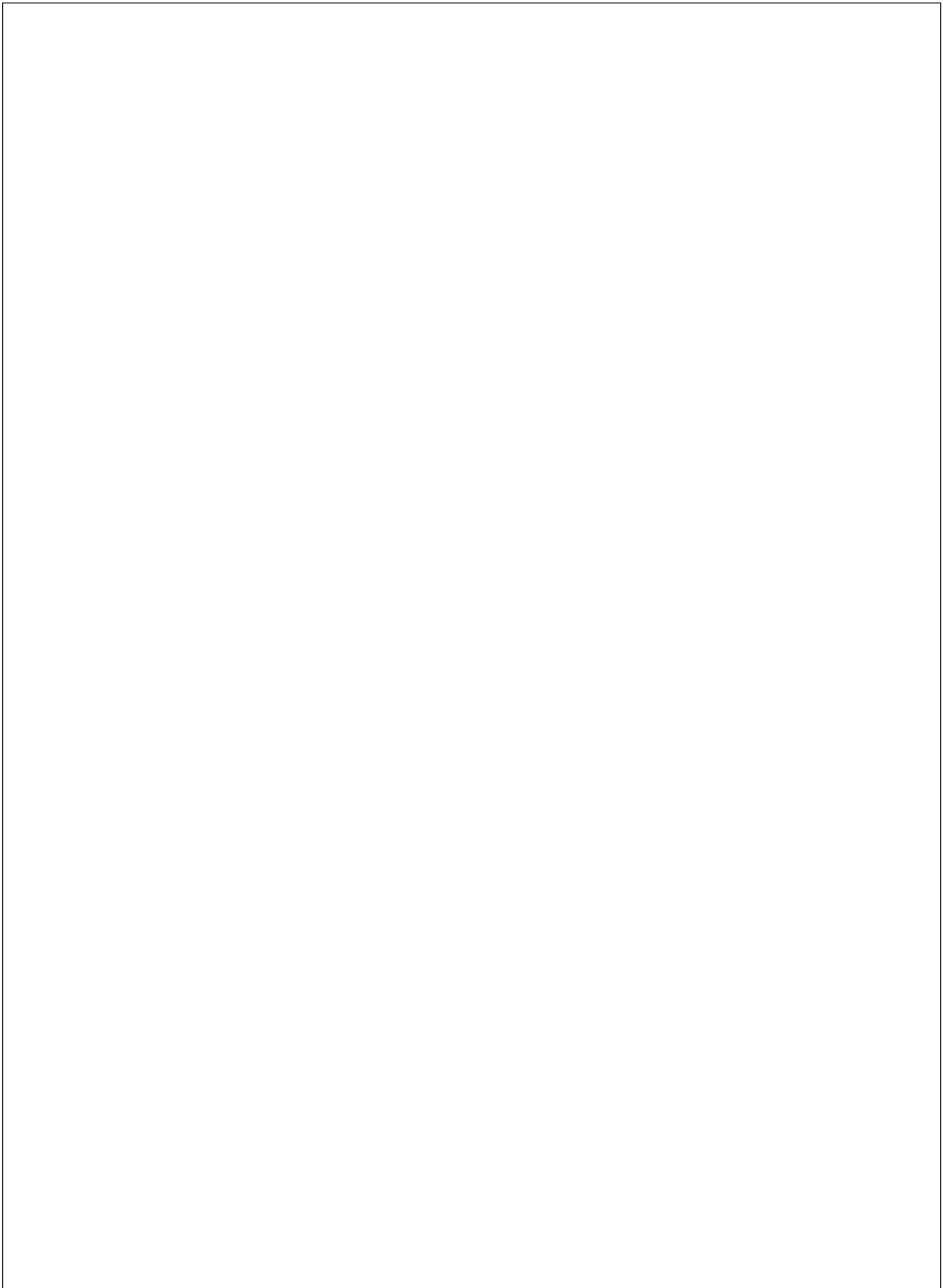
## NARRATIVE STATEMENT:

*(Provide a detailed summary of system operations for a modified 9-1-1 plan. Also, if incorporating an NG9-1-1 solution, please include the additional items listed below pursuant to 1325.205 b)12).*

- 1) Indicate the name of the certified 9-1-1 system provider being utilized.
- 2) Explain the national standards, protocols and/or operating measures that will be followed.
- 3) Explain what measures have been taken to create a robust, reliable and diverse/redundant network and whether other 9-1-1 Authorities will be sharing the equipment.
- 4) Explain how the existing 9-1-1 traditional legacy wireline, wireless and VoIP network, along with the databases, will interface and/or be transitioned into the NG9-1-1 system.
- 5) Explain how split exchanges will be handled.
- 6) Explain how the databases will be maintained and how address errors will be corrected and updated on a continuing basis.
- 7) Explain who will be responsible for updating and maintaining the data, at a minimum on a daily basis Monday through Friday.
- 8) Explain what security measures will be placed on the IP 9-1-1 network and equipment to safeguard it from malicious attacks or threats to the system operation and what level of confidentiality will be placed on the system in order to keep unauthorized individuals from accessing it.

Plan Narrative:

Plan Narrative:

A large, empty rectangular box with a thin black border, intended for the user to enter the Plan Narrative. It occupies the majority of the page's vertical space.



# FINANCIAL INFORMATION

Annual recurring 9-1-1 network costs  
prior to modification \$ \_\_\_\_\_

Projected annual  
recurring 9-1-1 network costs after  
modification \$ \_\_\_\_\_

Installation cost of the project \$ \_\_\_\_\_

Anticipated annual revenues \$ \_\_\_\_\_

# **FIVE YEAR STRATEGIC PLAN FOR MODIFIED PLAN**

(Provide a detailed summary of the proposed system's operation, including but not limited to, a five-year strategic plan for implementation of the modified 9-1-1 plan with financial projections)

Narrative:

A large, empty rectangular box with a thin black border, intended for the user to provide a detailed narrative summary of the proposed system's operation and a five-year strategic plan for implementation of the modified 9-1-1 plan with financial projections.

# COMMUNITIES SERVED

Provide a list of all communities to be served by the proposed 9-1-1 System. Please include the name of the community and the official mailing address including street address, city and zip code.

*USE ADDITIONAL SHEETS AS NECESSARY*

City, Town or Village	Street Address, City, Zip Code

# **COMMUNITIES SERVED**

Provide a list of all communities to be served by the proposed 9-1-1 System. Please include the name of the community and the official mailing address including street address, city and zip code.

*USE ADDITIONAL SHEETS AS NECESSARY*

City, Town or Village	Street Address, City, Zip Code

# PARTICIPATING AGENCIES

Provide a list of public safety agencies (Police, Fire, EMS etc.) that are to be dispatched by the 9-1-1 System. Each Agency's land area(s) in square miles and estimated population which will have access to the proposed 9-1-1 System. Do not forget to include County Sheriff's jurisdiction and Illinois State Police Districts. Each agency that appears on this list should also have signed a call handling agreement.

9-1-1 Participant Agencies	Street Address, City, Zip Code	Administrative Telephone No.	Direct Dispatch	Transfer	Call Relay

# PARTICIPATING AGENCIES

Provide a list of public safety agencies (Police, Fire, EMS etc.) that are to be dispatched by the 9-1-1 System. Each Agencies land area(s) in square miles and estimated population which will have access to the proposed 9-1-1 System. Do not forget to include County Sheriff's jurisdiction and Illinois State Police Districts. Each agency that appears on this list should also have signed a call handling agreement.

9-1-1 Participant Agencies	Street Address, City, Zip Code	Administrative Telephone No.	Direct Dispatch	Transfer	Call Relay







# CARRIER LISTING

(Wireline, Wireless, VoIP)

Provide a list of each carrier that will be involved in the proposed system.

*(USE ADDITIONAL SHEETS AS NECESSARY)*

CARRIERS	STREET ADDRESS, CITY, ZIP CODE	TELEPHONE NUMBER

# CARRIER LISTING

(Wireline, Wireless, VoIP)

Provide a list of each carrier that will be involved in the proposed system.

*(USE ADDITIONAL SHEETS AS NECESSARY)*

CARRIERS	STREET ADDRESS, CITY, ZIP CODE	TELEPHONE NUMBER

# ATTACHMENTS

**Ordinance** - The local ordinance which created an ETSB prior to January 1, 2016.

**Contracts** - The contract for a new 9-1-1 system provider or for NG 9-1-1 service.

## **Intergovernmental Agreement**

**Back-up PSAP Agreement** - The agreement that establishes back-up service due to interruptions or overflow services between PSAPs.

**Network Diagram** - Diagram provided by the 9-1-1 System Provider. Re-evaluate P.01 grade of Service for cost savings and network efficiency.

# CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT

## For 9-1-1 Emergency Communications

This agreement is made between the 9-1-1 Authority, and the (Public Safety Agency) \_\_\_\_\_, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

### CALL HANDLING

(9-1-1 System Name) \_\_\_\_\_ receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: \_\_\_\_\_ (State Specific Procedures if radio frequency-identity number, if talk group-identity name, if telephone-identity telephone number)

Secondary: \_\_\_\_\_ (State Specific Procedures if radio frequency-identity frequency number, if talk group-identity name, if telephone-identity number)

### AID OUTSIDE JURISDICTION BOUNDARIES

Once an emergency unit is dispatched in response to a request through the system, such unit shall render its service to the requesting party without regard to whether the unit is operating outside its normal jurisdictional boundaries.

The legislative intent is that 9-1-1 be used for emergency calls only. Therefore, all calls of an administrative or non-emergency nature shall be referred to your agency's published telephone number.

The PSAP Center agrees to keep all records, times, and places of all calls. All records will be available to all participants of the 9-1-1 System.

It shall be the responsibility of your agency to maintain the report of the call and the disposition of each call received.

All agreements, management, records, and service will be the responsibility of the 9-1-1 authority.

9-1-1 Authority	Public Safety Agency
By _____	By _____
Title _____	Title _____

# TEST PLAN DESCRIPTION

1) Description of test plan (back-up, overflow, failure, database).

2) List wireline exchanges to be tested.

3) List of wireless and VoIP Carriers to be tested.

## NE Lake County Consolidated (Gurnee/Zion) 9-1-1 System Test Plan Description i3

TEST #	TEST CASE	TYPE
1	Trunk Verification (SIP)	Call Routing
2	Trunk Verification (SS7 Ingress from LSR)	Call Routing
3	Trunk Verification (SS7 Egress from AGC to LSR)	Call Routing
4	Perform reboot and validation on each AT&T network edge router at PSAP	Failover test
5	Perform WAN interface shutdown and validation on each AT&T network edge router at PSAP	Failover
6	Perform reboot and validation on each ATT Interface Router (between CPE and AT&T router)	
7	Wireline Call Routed to PSAP through AT&T ESInet	Equipment
8	Wireless Call Routed to PSAP through AT&T Esinet	Equipment
9	VOIP Call Routed to PSAP through AT&T ESInet	Equipment
10	CPE bids i3 Components	Call Handling
11	i3 Routing Fails, Routing via SRDB for Wireline call	Call Routing
12	i3 Routing via ECRF for Wireline call	Call Routing
13	i3 Transfer: Fixed Bridge Conferencing Confirmation (Call to IP PSAP then bridge to i3 PSAP if available – willing PSAP)	Call Handling
14	S/R Transfer: Selective Bridge Conferencing Confirmation, if used by the PSAP	Call Handling
15	S/R Transfer: Fixed Bridge Conferencing Confirmation	Call Handling
16	S/R Transfer: Fixed Bridge Conferencing Confirmation	Call Handling
17	PSTN Transfer: Fixed Bridge Conferencing Confirmation	Call Handling
18	Manual Transfer to valid local TN	Call Handling
19	Manual conference bridging to invalid unassigned number	Call Handling
20	Manual conference bridging to a valid 8YY number	Call Handling
21	Manual conference bridging to a valid Busy number	Call Handling
22	Manual conference bridging to a Multi-Party Conference	Call Handling
23	Manual conference bridging to a valid long-distance cell	Call Handling
24	Alternate Routing	Call Routing
25	Ring no Answer Timer	Call Routing
26	No position Logged In	Call Routing
27	Abandonment Routing	Call Routing
28	Un-Abandonment Routing	Call Routing
29	Abandonment Routing – PAD Testing (if PAD available)	Call Routing
30	Un-Abandonment Routing – PAD Testing (if PAD available)	Call Routing
31	Test line appearances that appear on each CPE	Call Processing
32	TTY call	Call Handling
33	TTY conference call	Call Handling

# **BACK-UP PSAP AGREEMENT**

**AGREEMENT**

**Alternate / Secondary Public Safety Answering Point**

February 22, 2017

**For 9-1-1 Emergency Communications**

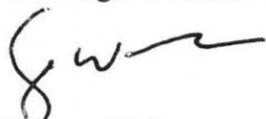
This agreement is made between the Gurnee Public Safety Answering Point located at 100 N. O’Plaine Road, Gurnee IL 60031, hereinafter referred to as “Gurnee PSAP” and the Waukegan Police Department Public Safety Answering Point located at 101 N. West Street, Waukegan IL 60085, hereinafter referred to as “Waukegan PSAP” for the purpose of effective handling and routing of E-9-1-1 and wireless 9-1-1 emergency calls for police/fire assistance.

**Call Handling**

When the volume of emergency calls at the Gurnee PSAP is such that an overflow of emergency calls is produced, the overflow of emergency calls will be transferred to the Waukegan PSAP. The Waukegan PSAP will serve as the secondary Public Safety Answering Point, and will be utilized in the event that the primary Gurnee PSAP becomes inoperable, providing the Waukegan PSAP is physically capable of receiving such calls. Waukegan would then become the receiving center for all emergency public safety service requests intended for the Gurnee PSAP for the duration of said event. Should an extended overflow or inoperability event occur, the Gurnee PSAP will physically assign dispatch personnel to the Waukegan PSAP in order to assist with the extra call volume.

When the Waukegan Police Department receives an overflow emergency call for service originating in the Village of Gurnee, they will transfer the call to the Gurnee Police Department and an emergency unit will respond to the call for assistance. Should the Waukegan PSAP be utilized in the event that the primary Gurnee PSAP becomes inoperable, dispatch personnel from Gurnee will be assigned to the Waukegan Police Department to assist with the calls being made via radio relay on StarCom 21 utilizing a pre-determined talk group or other radio resource(s).

Waukegan Police Department



Wayne Walles  
Chief of Police

Gurnee Police Department



Kevin Woodside  
Chief of Police