

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



State of Illinois

Application for
9-1-1 Modification Plan

911 GENERAL INFORMATION

DATE: 02/10/2020

Type of Change: <input checked="checked" type="checkbox"/> Long Form Modification Plan <input type="checkbox"/> Short Form Modification Plan		
Current System Name:	Population Served	Land Area in Sq Miles
Boone County ETSB	53,500	290

[illegible]

911 System Contact: Jeanine Kaplan

Street Address: 615 North Main Street

City, State and Zip Code: Belvidere, IL 61008

Office Telephone: (815) 547-6609

Cellular Telephone: (815) 218-5467

Email: jeaninekaplan@boonecountysheriff.com

Wireless Coverage for Consolidated System:

100 % Phase II compliant

100 % Phase I compliant

Please check if applicable:

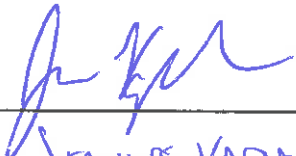
X NG9-1-1 capable

 Receive 9-1-1 Text

Receive 9-1-1 Video

VERIFICATION


I, Jeanine Kaplan, first being duly sworn upon oath, depose and say that I am 9-1-1 Coordinator, of Boone County 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.



JEANINE KAPLAN

Subscribed and sworn to before me

this 10th day of FEBRUARY, 20 20.



NOTARY PUBLIC, ILLINOIS



9-1-1 SYSTEM PROVIDER LETTER OF INTENT

March 26, 2020

(Date)

Martin DeLeonardis

(9-1-1 System Provider Company Representative)

Comtech – NG-911 Inc @ Subsidiary of Comtech Telecommunications Corp

(9-1-1 System Provider Company Name)

3020 Woodcreek Drive Suite A

(Street Address)

Downers Grove, IL 60515

(City, State, Zip Code)

Dear Mr. DeLeonardis,

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,



Jeanine Kaplan

911 Coordinator

Boone County Sheriff's Office

Enclosure: Modification Plan

Narrative

The Boone County ETSB is filing its modified plan to implement a Next Generation 911 Hosted System. Boone ETSB will be switching 9-1-1 System Provider (SSP) at the same time and the new SSP will be NG-911, Inc. NG-911, Inc. is a certificated 9-1-1 Service Provider in Illinois (See Order, August 22, 2012, Illinois Commerce Commission (ICC) Docket No. 12-0093.)

The Boone ETSB system is IP-based and is fully compliant with all current NENA i3 standards; it is geographically diverse and has a redundant configuration and design to avoid any single points of failure (SPOF). The system architecture is designed and provisioned so that the failure of any one component will not result in a total system failure. All essential system components are protected through the use of redundant components to limit a SPOF.

Boone County is part of a nine county consortium called Northern Illinois Next Generation Alliance (NINGA). The Alliance includes Boone County, Bureau County, Carroll County, DeKalb County, Jo Daviess County, Ogle County, Stephenson County, Winnebago County, and Whiteside County. This system will provide service parity for all potential 9-1-1 callers, and being IP based, can be administered, monitored and managed both locally and remotely. The system will host multiple remote PSAP's in multiple jurisdictions. Each PSAP will be composed of a number of positions plus security appliances and software necessary to prevent intrusion by unauthorized personnel. The system has varying levels of security and administration privileges for managing, configuring, monitoring, maintenance and diagnostics activity. All the counties of NINGA will benefit economically in this collaborative effort.

NG9-1-1, Inc. will be providing the NINGA ESInet/Network by contracting with a Competitive Local Exchange Carrier (CLEC) Syndeo. Boone County will be utilizing the NINGA Network with a total of nine (9) counties for NG 9-1-1 Services. There are two (2) geographically diverse, fully redundant NG-911, Inc. operated Data Centers (Data Centers will be used as Term of Art) which house the NG9-1-1 Next Generation Core Services (NGCSs). The two (2) Data Centers are: (1) DeKalb County Sheriff's Department Jail Annex Data Center in 180 E. Exchange St, Sycamore, Illinois, and (2) Belvidere Fire, 353 East 6th Street, Belvidere, IL 61008. By NINGA utilizing the same network, data centers, and other necessary equipment, will provide a collaborative effect to decrease costs for the entire NINGA group.

PSAPs

Boone County plans to implement a Next Generation 9-1-1 System county-wide with the primary objective to provide the citizens of Boone County Illinois with a high quality of 9-1-1 services.

Boone County's Public Safety Answering Points (PSAPs) will collectively answer, process and direct all calls and texts placed to 9-1-1 within their jurisdictional boundaries. Boone County has two (2) PSAPs, the Boone County Sheriff PSAP with Four (4) positions, and the Belvidere Fire Station PSAP with two (2) positions..

Both Boone PSAPs backup is Winnebago County Sheriff's Office. Boone County PSAPs in operation in their present location will be using trained, qualified, and experienced personnel.

Plan Narrative: Boone County Illinois ETSB

PSAP	Backup
Boone County Sheriff's Office	Winnebago County Sheriff's Office 911
Belvidere Fire Department	Winnebago County Sheriff's Office 911

Radio / Telecommunications

All emergency services within Boone County, Illinois have the capability to be linked either by radio or telephonically. Details on both primary and secondary communication procedures are contained in the Call Handling Intergovernmental Agreements. The Participating Agency Forms include the Radio and other Dispatch capabilities.

Dispatch to Participating and Adjacent Agencies

Details of the elaborate dispatch system utilized by the PSAPs are included in the Call Handling Agreements plus the Participating Agency and the Adjacent Agency documents.

New system configuration and technological architecture (i.e., network and routing);

The Next Generation 9-1-1 system will increase functionality, redundancy, diversity, and scalability. The new NG9-1-1 system by design has redundancy built in at every point practical to eliminate all SPOF.

The NG9-1-1 system will handle calls from all Carriers that are answered today. The NG9-1-1 ESInet will enable a wide spectrum of users to utilize emergency support services, such as hearing impaired, deaf, speech impaired, and non-English speaking callers (Text to 911 and TTY technology).

Carriers may connect to the ESInet at various points on the Fiber Ring. These points of interface (POI) locations will be mutually agreeable to NG-911, Inc, Syndeo and the Access Carrier. Syndeo may also provide points of interface (POI) for Access Carriers. These POI's specific locations are documented on the Network Diagrams and in the Access Test Plan document.

The NG9-1-1 architecture is comprised of an Emergency Services Internet Protocol Network (ESInet) to connect the PSAP using IP signaling. Carriers will connect to the Host Site. Each Carrier will choose from Legacy (SS7/ISDN) and newer Protocols for trunk signaling (SIP). Where the ESInet appears in a Carrier or Private Switched ALI (PS/ALI) Switch Location, the Carrier or PS/ALI customer may connect to the fiber at that location, thus including a zero-mile access solution. Planning for direct PS/ALI customers is handled the same way as a small direct Carrier to the network.

Database

The Boone County ETSB has designed and purchased a comprehensive NENA i3 standards-based system that is highly sophisticated. The system will provide automatic location identification (ALI),

Plan Narrative: Boone County Illinois ETSB

automatic number identification (ANI), and selective routing to the PSAP using dynamic routing. In addition, the system will feature geo-spatial, policy-based functionality that will deliver superior service and response to the emergency needs of the citizens of Boone County. Every structure in Boone County has been identified and every residence has a street number with a street or road name. Additionally, geo-spatial number has been designed with address points to identify the residence where the 9-1-1 request is made. All database elements comply with NENA Data Formats for ALI, MSAG and GIS.

Boone County and the other NINGA partners will be utilizing software that will enable NG-911, Inc. to manage the ALI database. The software fully integrates with the other NGCS of the NG9-1-1 system and performs data validation, request/response software, managing data quality and provides real-time communication tools.

Text to 9-1-1 Flow

Text to 9-1-1 will be implemented in Boone County. Boone ETSB and NG-911, Inc. the 911 SSP, have chosen Comtech TCS as their Text Control Company (TCC). The NENA Interim Standard which is being implemented best complements a full NENA NG9-1-1 Network, using an IP i3 SIP/MSRP interface to the ESInet and the NG9-1-1 NGCS equipment being deployed. NENA provides instructions for the PSAPs and Carriers to complete the technical aspects of the project and register the PSAPs with the FCC.

Robust, reliable and diverse/redundant network; and whether other 9-1-1 Authorities will be sharing the equipment.

The Design is based on building redundant systems to avoid any SPOF in the ESInet and across the entire NG9-1-1 Architecture. The NG9-1-1 system will provide flexibility in the routing of calls. The ESInet being deployed has all PSAPs connected and can route calls based on not only location, but also by availability. Currently, if a PSAP has only three (3) trunks from a legacy Selective Router, the (4) fourth caller gets a busy signal. In a Next Generation solution, that caller will be answered through intelligent routing. Additionally, there will be more available positions to answer calls because all connected PSAPs will be technically able to answer the call and will be able to dispatch or transfer the call to another PSAP. Refer to General Information 911. Routing methodology is documented in each Application. Based on the number of fixed and portable workstations per PSAP, not all PSAPs will back up each other in NINGA. The size disparity between PSAPs is one reason, and the ability to properly dispatch for one another is the second reason.

The hardware and software are expandable by installing additional components, such as servers, gateways and workstations as needed. The hardware is comprised of off the shelf servers and NENA compliant software. The Workstations used by the Call Takers are Dell computers, so there is not a barrier to replacing equipment if hardware fails.

If 9-1-1 calls are unable to be answered by the primary PSAP (for whatever reason), calls will be routed to the Backup PSAP designated in the 9-1-1 Plan. Boone County will utilize existing backup plans for the 1st layer of backup. The IP network allows flexibility to deliver overflow or re-routed calls to pre-determined Backup PSAPs. Calls can be routed to the Backup location through the software.

Plan Narrative: Boone County Illinois ETSB

The key to network reliability is redundancy.

The system will have automatic failover capability between the two Data Centers. Having two Data Centers to serve the PSAPs using the Emergency Services Internet Protocol Network (ESInet) will increase reliability 100%. The new NG9-1-1 system by design has redundancy built in at every point practical to eliminate all SPOF.

The NG9-1-1 ESInet is by design a reliable network. The factors that make it a good network during national security and emergency preparedness situations include:

- The dual Data Centers are more than 20 miles apart.
 - Duplicated capabilities of the NGCS within each Data Center.
 - Having a balanced load on the Data Centers with dual access requested of the Access Carriers makes this a good plan in Disaster Recovery scenarios.
- Each PSAPs is backed up by one (1) or more PSAPs on separate call routes using separate power sources.

Security - Session Border Control

Session Border Controllers (SBCs) provide the access control for protection from unwarranted Cyber Attacks, Denial of Service Attacks and/or focused Network Overloads. The design is in accordance with the NENA i3 Standards. The SBC will act as a sophisticated firewall to protect the NG9-1-1 system from Denial of Service Attacks, malicious or accidental attempts that could cause ESInet network overload, and other intrusive security breach attempts. The SBC satisfies critical security, service assurance, and regulatory requirements and supports multiple protocols including SIP, H.323, MGCP/NCS, H.248 and RTSP and multiple border points.

A Session Border Controller (SBC) firewall is being installed in each of the Data Centers. The same system has been installed and tested extensively at the Illinois Institute of Technology Real Time Communications Laboratory (IIT RTCL) simulating loads well beyond what can be developed in the field.

PSAP Security

All access to the PSAPs is restricted with a code access. The computer network is password secured. Protection extends to the Network's perimeter as well, including E-mail and web filtering, as well as current firewall technology. To maximize that safety and security is provided on all workstations with Security software. All workstations are updated regularly and scanned for threats, including but not limited to viruses, spyware, malware, and root kits. The protection extends to the Network's perimeter as well, including E-mail and web filtering, as well as current firewall technology.

The ETSB will continue to investigate future Security needs

Map

The IP-based mapping system fully integrates with all the other components of the NG9-1-1 system.

Plan Narrative: Boone County Illinois ETSB

IP Selective Router / Switch

The IP Selective Router equipment and software being deployed meets the redundancy and resiliency that is required by the NG-911, Inc. Additionally, the system has data integration and reporting tools

Monitoring

The NG-911, Inc. monitoring system will alert the NG9-1-1 24 by 7 by 365 NOC personnel to any problem with the Data Centers, the ESInet including Temperature and Power alarms and to alert on any NGCS in the secure collocation space. Monitoring the systems and centers and network will be done during all phases of testing and ongoing after network cutover. Part of the monitoring is the alerting in near real time, the ability to ticket and/or display to systems centers and hand held devices.

The Carriers remain responsible for their own Access Reporting. NG-911, Inc. as the 911 SSP is accountable for the monitoring alerting problem resolution and reporting of all other aspects of the NG9-1-1 network.

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.

The NG9-1-1 system will handle 9-1-1 calls from all Carriers that are answered today plus Text to 9-1-1. The NG9-1-1 ESInet will enable a wide spectrum of users to utilize emergency support services, such as hearing impaired, deaf, speech impaired, and non-English speaking callers. The new system will incorporate the TTY technology that serves hearing and speech impaired end users.

The NG9-1-1 system fully integrates with a local ALI database management system as well as an integrated Mapped-ALI display. The ALI database management system (ALI DBMS) is Internet Protocol (IP)-based system, and for traditional wireline it calls operates exactly as the existing ALI.

NG-911, Inc. will ensure the Database records are received from the Access Carriers reviewed as they are today for location accuracy, accepted, validated and integrated into the active working records.

Most Wireline customer records come from the Service Order Process of the Carriers. The Carriers will transmit the database updates to NG-911, Inc. NG-911, Inc. will work closely with each Carrier directly on Database updates.

Split Exchange call handling records will be handled in the same manner. Service Order updates to the NG9-1-1 ALI records will be accomplished using database management software to process updates from all Carriers

The ALI Database is hosted onsite in the two (2) Data Centers in the Database NGCS. The NGCS are duplicated and they reflect information that has been accepted, validated and aggregated and is ready to use in the 9-1-1 actual call flow. GIS coding will be added to all Service Order records that update the ALI. NG-911, Inc. will maintain the database in a manner that ensures that customer personnel cannot alter the data. All aspects of the ALI database process will meet NENA database standards. The Service Order updates that will be managed by NG-911, Inc. daily, will utilize multiple logic checks

Plan Narrative: Boone County Illinois ETSB

that guard against invalid ALI updates and increase the reliability of data. These invalid updates would include, but are not limited to, ensuring that the address conforms to public record including GIS ECRF

data (MSAG) and that the ALI record telephone number is in a valid format. The database system supports direct service order entry, manual update as well as the import and export of NENA format.

Quality of Service Standards

NG-911, Inc. and Boone County will utilize the Commission's service standards for call blocking and will provide the required P.01 level of service at a minimum. Call set up will remain the same or improve with the use of SIP signaling. SLAs will be in place with Carriers and vendors.

SLAs will be in place with Carriers and vendors.

The ESInet provider including Data Center providers have Service Level Agreements (SLAs) in place with NG9-1-1, Inc. Bandwidth and availability are part of the SLAs over the ESInet and to each PSAP.

Miscellaneous Operations:

The PSAPs in the Boone County 9-1-1 System meet the following requirements:

- Twenty-four hour a day operation, three hundred sixty-five days a year.
- A call logging recorder capable of recording, and date and time stamping of all 9-1-1 position/calls, texts and radio frequencies which are used to dispatch the assignments.
- An alternate power source, generator, capable of sustaining full operation of the PSAP including communications, should a commercial power outage occur. The PSAP also has UPS to allow continued operation during switch over from commercial power to alternate power.
- TDD service is available at each PSAP to allow the hearing-impaired citizen the same access and availability to call 9-1-1 as all other citizens. TDD calls are delivered to the workstation and do not require a separate device.
- The PSAPs will maintain an electronic log of the 911 calls and texts.
- The Boone County ETSB PSAPs have adopted a set of standard operating guidelines that include PSAP security.

Public Information including Text to 9-1-1:

The Boone County ETSB continues to provide public awareness and information by means of several local media outlets, public presentations and school programs, signage, etc. The Boone County ETSB plans for increased publicity once the Modification is approved.

Training:

Detailed training will be provided to all persons staffing the PSAP location. The initial PSAP operators will be existing employees of the communications centers where the PSAP is located and all have had previous training in emergency call handling and dispatch. NG-911, Inc. will provide extensive training on all aspects of the equipment.

Initial Cutover Strategy

Initial Cutover Strategy will be cooperative with Carriers.

Plan Narrative: Boone County Illinois ETSB

The Cutover Plan will validate the translations in the network are operational for primary, alternate and disaster situations to ensure the proper response gets to the PSAP even if the network is overloaded.

Cutover will occur Carrier-by-Carrier in the mutually agreeable Carrier and PSAP maintenance window for 9-1-1 services.

The process includes:

- Optimization of physical and logical routes
- Circuit ordering process outlined and confirmed
- Field Testing resulting in Cutover Ready Transition
- Agreement on Primary and Alternate Routing Rules
- Agreement on Split Exchange Routing and Interfaces
- Translations for Load Balance and Routing in the Carrier Network
- Sharing of Carrier Test Numbers
- Addition of Carrier Test Numbers into the NG9-1-1 Database Records
- Selective Router trunking to Data Centers
- Originating Rate Center (NPA-NXX) to PSAP
- Verify PSAP before and after Dispatch
- Make Access Trunks Busy and Verify Load Balance
- Log off workstations and verify Primary / Alternate PSAP

Traffic will be live after all steps are complete.

The legacy network will be available for seven days after successful cutover of the NINGA end to end network Boone County's ETSB plans to cut to live service after successful network and field testing.

When all tests are successful, the first access traffic load will be delivered to the appropriate PSAP/PSAPs in accordance with the deployment schedule. Include the deployment schedule. Subsequent migration will occur as specified in the deployment schedule.

Disaster Recovery

The NG9-1-1 ESInet is by Design a reliable network. The factors that make it a good network during national security and emergency preparedness situations include:

1. The dual Data Centers in Belvidere and Sycamore are more than 20 miles apart.
2. Duplicated capabilities of the NGCS within each Data Center.
3. Having a balanced load on the Data Centers with dual access requested of the Access Carriers makes this a good plan in Disaster Recovery scenarios. Manual switchover to a Disaster Recovery PSAP often requires staffing and physical switching over to a configuration that is only tested occasionally.

Access Carriers will connect in a way that supports Disaster Recovery principles.

1. Dual Trunking
2. Alternate Facilities Routes

Plan Narrative: Boone County Illinois ETSB

3. Commercial Agreements for service quality, problem identification and resolution.
4. Monitoring tools to see problems that are simplex in nature and get them rapidly corrected before they become service affecting for customers trying to reach 9-1-1.

Business Processes are Critical to Disaster Recovery Principles.

1. Planning for Disasters in the ongoing design, engineering and during growth of the network.
2. The need for good records exchange with Carriers, Methods of Procedures for work activities signed off and communicated ahead of a planned event.
3. Use of Maintenance Windows that are strict before any change is made to the network.
4. Proper staffing and coverage and a call out plan for emergencies.
5. Training on the NGCS and on processes and procedures.
6. Communications capabilities using the IP PBX.
7. Use of Conference Bridges and other means of communications during cutovers, planned major activities and during major outages or emergencies. Radios etc.
8. Documented Disaster Plans in case of natural disasters such as earthquakes, floods, tornadoes, electrical grid problems, prison breaks, plane crashes, bomb threats and physical and cyber-attacks on the Data Centers and more.
9. Testing of Scenarios planned and unplanned, exercises involving staged incidents.
10. Offers to participate with Access Carriers, during their annual Disaster Recovery exercises.
11. Use of Best Practices in password protection and physical and logical security protection. Note: FCC provides industry Best Practices. FCC CSRIC includes NG9-1-1. www.fcc.gov.
12. Session Border Controllers (SBCs) to prevent, thwart and alert for unwarranted attacks on the network.
13. Facility diversity where possible and uninterrupted power supply (UPS) and generators to ensure the system can run indefinitely. In event of commercial power failure, UPS systems and generators will be utilized until electrical service is restored.
14. Grounding of the Data Centers to industry requirements.
15. Boone County will comply with NENA standards and sound Information Technology policy.
16. Standard procedures to maintain telephony and computer equipment will be utilized, including HVAC and other environmental controls to ensure optimum conditions for the ongoing function

If PSAPs must abandon a physical site, the calls can be rerouted to other PSAPs in real time through changes in software and tables.

Boone County's system is resilient and fault tolerant. The failure of individual components, such as Local Exchange End Offices, will not bring the NG9-1-1 system down because the components utilized in the NG9-1-1 system are geographically diverse and the network is designed for redundancy and resiliency.

Test Plans Description

1. Description of test plan-
 - a. NG-911, Inc. and Boone County will oversee all aspects of testing the NG9-1-1 System and will be directly involved with The Network Test Plan. Boone County will coordinate call through testing for each wireline end office. NG-911, Inc. will obtain from the Access Carriers, test numbers per wire center, per rate exchange, per class of service as appropriate. Phase I and II PS/ALI Customer testing is described in the Test Plans.
 - b. Boone County will work with NG-911, Inc. to conduct coordinated testing with the telecommunications carriers when any of the following occur:
 - c. New central office switching installations that affect the directly connected carrier(s)
 - d. Network router, Selective Router or functional equivalent installations, upgrades or rehomes;
 - e. NPA (Numbering Plan Area) additions
 - f. Any other event that affects 9-1-1
 - g. Boone County will perform coordinated testing with private residential or business switch operators who request/require such testing.
 - h. The communities to be tested are listed in the community list attachment.
 - i. Test calls will meet the Administrative Code Part 1325 requirements.
2. List of wireline exchanges to be tested.
 - a. See Carrier listing document
3. List of wireless and VoIP Carriers to be tested
 - a. See Carrier listing document

FINANCIAL INFORMATION

Annual recurring 9-1-1 network costs prior to modification	\$ <u>78,662.16</u>
Projected annual recurring 9-1-1 network costs after modification	\$ <u>103,085.04</u>
Installation cost of the project	\$ <u>116,200.00</u>
Anticipated annual revenues	\$ <u>739,721.64</u>

Five Year Strategic Plan Boone County ETSB

The Boone County ETSB is a leader and participant in the nine-county Northern Illinois Next Generation Alliance (NINGA) an ongoing effort to provide consolidated Next Generation 9-1-1 to all existing PSAP's in our nine-county region. The Boone County ETSB has had the foresight and ability to save money for this project over many years, and is in appropriate fiscal condition to be able to completely fund the Boone County portion of this project, including installation of Next Generation 9-1-1 to both PSAP's located at the Boone County Sheriff's Office and Belvidere Fire Department.

The five year plan for Boone County ETSB is to utilize the existing contract with NG 9-1-1, Inc. for the hosted Next Generation 9-1-1 solution proposed in this plan. This system is compliant with the legislative mandate of being Next Generation 9-1-1 by 2020. Boone County anticipates going live 3rd Quarter 2020.

The Boone County ETSB will implement Text to 9-1-1 along with voice to 9-1-1 with the other 8 NINGA counties, and may incorporate video and static images in the system in the next five years if NENA Standards are finalized and the benefits are tangible.

The Boone County ETSB will continue to look for efficiencies in operations over the next five (5) years and ways to improve service to the citizens and maintain or reduce expenditures. With Next Generation 9-1-1, Boone County will have increased reliability with the fully diverse solution from a network perspective. Boone County has purchased the capability to activate remote 9-1-1 workstations in the event of an area wide or localized situation causing greater than normal demand for 9-1-1 service thus improving safety for citizens of Boone County.

Financial projections indicate a further decline in wireline revenue and flat to slight growth in wireless and VoIP surcharge. The Boone County ETSB expect operational costs to be flat for the next year and then decline over the next 4 years.

Boone County has budgeted for capital expenditures for equipment that has been discontinued or no longer able to be repaired for the current 9-1-1 system. This will become flatter and more predictable since the hosting party will be responsible for all upgrades and maintenance of the shared core system. Upgrades are shared by all NINGA members.

The system is robust and other Counties may choose to join NINGA. Revenue from added members will accrue to all members from a onetime membership fee and any contributions to the common maintenance and ongoing costs will be shared through NINGA membership.

**Five Year Strategic Plan
Boone County ETSB**

Boone County ETSB is also considering purchasing two remote positions that could be used in the supervisor's office, command post, or EOC for large incidents or if a PSAP is disabled for a long period of time.

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

[illegible]

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.

[illegible]

ADJACENT AGENCIES LIST

Provide a list of public safety agencies and existing 9-1-1 Systems that are adjacent to the proposed system's boundaries. Each agency that appears on this list should also have signed a call handling agreement and/or aid outside jurisdictional boundaries.

AGENCY	STREET ADDRESS, CITY, ZIP CODE	TELEPHONE NUMBER
Dekalb County Sheriff's Office	150 N Main St, Sycamore, IL 60178	(815) 895-7240
Genoa/Kingston Rescue Squad/DCSO	317 E Railroad Av, Genoa, IL 60135	(815) 784-3412
Kirkland Fire Dept/DCSO	3891 State Rt. 72, Kirkland, IL 60146	(815) 522-4414
McHenry County Sheriff's Office	2200 N Seminary Av, Woodstock, IL 60098	(815) 338-2144
Harvard Fire/Rescue/MCSO	502 S Eastman St, Harvard, IL 60033	(815) 943-6927
Marengo Fire/Rescue/MCSO	120 E Prairie St, Marengo, IL 60152	(815) 568-7221
Ogle County Sheriff's Office	103 Jefferson, Oregon, IL 61061	(815) 732-6666
Monroe Township Fire Protection/OC SO	104 West St, Monroe Center, IL 61052	(815) 732-6666
Winnebago County Sheriff's Office/WCSO	650 W State St, Rockford, IL 61102	(815) 319-6600
Cherry Valley Police Dept/WCSO	806 E State St, Cherry Valey, IL 61016	(815) 654-5015
Loves Park Fire Dept/WCSO	400 Grand Av, Loves Park, IL 61111	(815) 654-5030
Loves Park Police Department/WCSO	540 Loves Park Dr, Loves Park IL 6111	(815) 654-5015
North Park Fire Dept/WCSO	600 Wood Av, Machesney Park, IL 61115	(815) 636-3051
Illinois Toll Highway Authority	2700 Ogden Av, Downers Grove, IL 60515	(331) 238-5404
Rock County Sheriff's Office/RCSO	200 E US-14, Janesville, WI	(608) 757-8000
Clinton Fire & EMS/RCSO	145 Ogden Av, Clinton, WI 53525	(608) 676-5550
Walworth County Sheriff's Office/WCSO	1770 County Road NN, Elkhorn, WI 53121	(262) 741-4400
Sharon Fire and Rescue/WCSO	182 Park Ave, Sharon, WI 53585	(262) 736-4543
Sharon Police Department/WCSO	125 Plain ST, Sharon, WI 53585	(262) 736-4617

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
AT&T	3100 Cumberland Blvd, Suite 700, Atlanta, GA 30339	(770) 240-8849
Frontier Communications	401 Merritt 7, Norwalk, CT 06851	(203) 614-5190
Illinois Bell Telco	3100 Cumberland Blvd, Suite 700, Atlanta, GA 30339	(779) 240-8849
Bergen Telco	105 Plain Street, Sharon, WI 53585	(262) 736-9981
Sharon Telco	105 Plain Street, Sharon, WI 53585	(262) 736-9981
AT&T Mobility w/ text	698 Melrose Av, Nashville, TN 37211	(615) 744-3099
Onvoy PCS		
Sprint PCS	6550 Sprint Parkway, Overland Park, KS, 66251	(913) 315-9285
T Mobile	1220 SE 38th St, Bellevue, WA 98006	(425) 383-4898
Verizon Wireless	1 Verizon Way, Basking Ridge, NJ 07920	(800) 922-0204
US Cellular	1601 Dry Creek Dr, Longmont, CO 80503	(720) 494-5800
Aero Group		
Comcast IP Phone VII, LLC	One Comcast Center, Philadelphia, PA 19103	(215) 286-7347
Granite Telecommunications LLC	3100 Cumberland Blvd, Suite 700, Atlanta, GA 30339	(770) 240-8889
MCI Metro Access Transmission SVCS. LLC	3100 Cumberland Blvd, Suite 700, Atlanta, GA 30339	(770) 240-8748
Broadview Networks, Inc	3100 Cumberland Blvd, Suite 700, Atlanta, GA 30339	(770) 240-8783
Vonage America	8675 W 96th St, Suite 220, Overland Park, KS 66212	(913) 859-9674
Clear Rate Communications, Inc	740 Florida Central Parkway, Suite 2028, Longwood, FL	(407) 260-1011
NexVortex, Inc.	740 Florida Central Parkway, Suite 2028, Longwood, FL	(407) 260-1011
VOIP Street Inc.	740 Florida Central Parkway, Suite 2028, Longwood, FL	(407) 260-1011
Phone.com Inc.	740 Florida Central Parkway, Suite 2028, Longwood, FL	(407) 260-1011
Access Point, Inc.	740 Florida Central Parkway, Suite 2028, Longwood, FL	(407) 260-1011
Access One, Inc	740 Florida Central Parkway, Suite 2028, Longwood, FL	(407) 260-1011
Talk America Services, LLC	4001 Rodney Parham Road, Little Rock, AR 72212	(501) 748-5407
Jive Communications, Inc	740 Florida Central Parkway, Suite 2028, Longwood, FL	(407) 260-1011
Nextiva, Inc	740 Florida Central Parkway, Suite 2028, Longwood, FL	(407) 260-1011

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
Bandwidth.com Inc	3100 Cumberland Blvd,Suite 700,Atlanta, GA 30339	(770) 240-8773
Comcast IP Phone II, LLC	One Comcast Center, Philadelphia, PA 19103	(215) 286-7347
Mega Path Corporation	3100 Cumberland Blvd, Suite 700, Atlanta, GA 30339	(770) 240-8889
Level 3 Communications LLC	1025 Eldorado Blvd, Broomfield, CO 80021	(949) 838-3300
First Communications LLC	4301 W. William Cannon Ste. B-150 #291,Austin,TX	(512) 301-1808
5Linx	740 Florida Central Parkway, Suite2028, Longwood,FL	(407) 260-1011
Sage Telecom Communications LLC	740 Florida Central Parkway,Suite 2028, Longwood,FL	(407) 260-1011
NOS Communications Inc	740 Florida Central Parkway,Suite 2028, Longwood,FL	(407) 260-1011
Preferred Long Distance	8675 W 96th St, Suite 220, Overland Park, KS 66212	(913) 859-9674
Mediacom Communications		
Interface Security Systems		
Windstream Corp		
Essex Telcom Inc.		
Charter Communications		
Lingo Inc		
Y Max Communications Corp		
Century Tel Inc		
Atlantax Systems Inc		
Earthlink Inc		
CAN INC		
Met-Tel		
Private Peering Point LLC		
Compliance Solutions LLC		
PNG Telecommunications, INC		
Bullseye Telecom INC		
Nextiva,Inc		

Chapter 74 - TELECOMMUNICATIONS

ARTICLE I. - IN GENERAL

Secs. 74-1—74-25. - Reserved.

ARTICLE II. - EMERGENCY TELEPHONE SYSTEM BOARD⁽¹⁾

Footnotes:

--- (1) ---

Cross reference— Administration, ch. 2.

State Law reference— Emergency Telephone System Act, 50 ILCS 750/0.01 et seq.

Sec. 74-26. - Established.

The emergency telephone system board of the county is hereby established.

(Code 1981, § 18-16; Ord. No. 88-31, § 1, 12-14-1988)

Sec. 74-27. - Composition; compensation.

The emergency telephone system board of the county shall consist of nine members, appointed on the basis of their experience and ability. The members of the emergency telephone system board shall serve without compensation, but shall be reimbursed for actual and necessary expenses.

(Code 1981, § 18-17; Ord. No. 88-31, § 2, 12-14-1988; Ord. No. 95-25, 6-14-1995; Ord. No. 10-16, § 18-17, 4-21-2010)

Sec. 74-28. - Appointments of members.

(a) *Enumeration of members.* The nine members of the emergency telephone system board are as follows:

- (1) A representative of the county sheriff's department.
- (2) A representative of the Belvidere Police Department.
- (3) A representative of the Belvidere Fire Department.
- (4) A representative of a rural fire protection district.
- (5) A representative of an ambulance service.
- (6) A representative of the county treasurer's office.
- (7) Two representatives of the general public.
- (8) A representative of the county board.

(b) *County sheriff representative.* The representative of the county sheriff's department shall be appointed by the chairman of the county board, with the advice and consent of the county board upon the recommendation of the county sheriff.

- (c) *Belvidere Police representative* The representative of the Belvidere Police Department shall be appointed by the chairman of the county board, with the advice and consent of the county board upon the recommendation of the Belvidere Police Chief.
- (d) *Belvidere Fire Department representative.* The representative of the Belvidere Fire Department shall be appointed by the chairman of the county board, with the advice and consent of the county board upon the recommendation of the Belvidere Fire Chief.
- (e) *Other representatives.* All other members of the emergency telephone system board shall be appointed by the chairman of the county board, with the advice and consent of the county board.

(Code 1981, § 18-18; Ord. No. 88-31, § 3, 12-14-1988; Ord. No. 95-25, 6-14-1995; Ord. No. 10-16, § 18-18, 4-21-2010)

Sec. 74-29. - Terms of members.

The terms of office for the representatives of the rural fire protection district and the representative of the ambulance service shall be three years, all other members of the emergency telephone system board shall be permanent appointments as long as that member is affiliated with the department, district, service or office listed in section 74-28.

(Code 1981, § 18-19; Ord. No. 88-31, § 4, 12-14-1988)

Sec. 74-30. - Vacancies.

A vacancy on the emergency telephone system board may be occasioned by a member's resignation, death, ceasing to be an inhabitant of the county, becoming a person under legal disability, conviction for an infamous crime, discontinued affiliation with the department/district/service or office listed in section 74-28, or continued refusal to attend scheduled meetings of the board. The chairman of the county board shall have the power to determine the existence of a vacancy. All vacancies shall be filled within 60 days from the date the chairman of the county board determines a vacancy exists.

(Code 1981, § 18-20; Ord. No. 88-31, § 5, 12-14-1988)

Sec. 74-31. - Organization; rules of order; meetings.

The emergency telephone system board shall, at its first meeting and thereafter annually at its annual meeting, adopt rules of order and procedure and establish its organizational structure. The board shall hold its annual meeting in the month of September of each calendar year. Other regular and special meetings shall be held and convened as the board may provide in its rules. The chairman of the county board shall have the authority to call a meeting of the emergency telephone system board by giving each member thereof telephone notice at least 24 hours in advance of the time of the meeting. The regular meeting place of the emergency telephone system board shall be the county public safety building, 615 North Main Street, Belvidere, Illinois, but the emergency telephone system board may schedule meetings at other accessible locations in the county.

(Code 1981, § 18-21; Ord. No. 88-31, § 6, 12-14-1988)

Sec. 74-32. - Powers and duties.

The powers and duties of the emergency telephone system board shall be as follows:

- (1) Planning a 911 system for the county.

- (2) Coordinating and supervising the implementation, upgrading, or maintenance of the system, including the establishment of equipment specifications and coding systems.
- (3) Receiving monies from the surcharge imposed under the provisions of 50 ILCS 750/15.3 and from any other source, for deposit into the emergency telephone system fund.
- (4) Authorizing all disbursements from such fund by means of resolutions adopted by a majority of all of the members of the emergency telephone system board, for purposes authorized by law.
- (5) Hiring, on a temporary basis, any staff necessary for the implementation or upgrade of the system and providing for the compensation of such staff.
- (6) To adopt rules providing for its procedures, organization, and officers, provided that the county treasurer shall be the treasurer of the board.
- (7) To do all things related to the purposes for which it was created which are not prohibited by law.

(Code 1981, § 18-22; Ord. No. 88-31, § 7, 12-14-1988)

Secs. 74-33—74-55. - Reserved.

ARTICLE III. - SURCHARGE ON TELECOMMUNICATIONS CARRIERS^[2]

Footnotes:

— (2) —

Cross reference— Taxation, ch. 70.

State Law reference— Authority for imposition by county of surcharge on telecommunications services, 50 ILCS 750/15.3.

Sec. 74-56. - Imposed.

Pursuant to the enabling authority set forth in 55 ILCS 5/5-1056, and 50 ILCS 750/15.3, as amended, and the result of a countywide referendum held on the November 9, 1988, a surcharge shall be and hereby is imposed upon all telecommunications carriers engaged in the business of transmitting messages by means of electricity originating within the corporate limits of the county and terminating within the state.

(Code 1981, § 18-32; Ord. No. 89-11, 4-12-1989)

Sec. 74-57. - Rate; service fee.

Such surcharge shall be and hereby is imposed upon at that rate of \$0.60 per month which includes the three-percent service fee for telephone companies, per network connection.

(Code 1981, § 18-33; Ord. No. 89-11, 4-12-1989)

Sec. 74-58. - Payment.

The amount of the surcharge imposed by the provisions of this article shall be paid to the treasurer of the county, in that official's capacity as ex officio treasurer of the county emergency telephone systems

board, not later than 30 days after the surcharge liability accrues, net of any network or other 911 or sophisticated 911 system charges then due the particular telephone communications carrier, as shown on an itemized bill, to be held and distributed by such county treasurer according to law.

(Code 1981, § 18-34; Ord. No. 89-11, 4-12-1989)

Sec. 74-59. - Computation of surcharge.

For purposes of computing the surcharge imposed by this article, the network connections to which the surcharge shall apply shall be those in-service network connections, other than those network connections assigned to the county in its capacity as a governmental unit, where the subscriber's service address for each such network connection or connections are located within the corporate limits of the county. The term "service address" means the location of the subscriber's primary use of the network connection or connections.

(Code 1981, § 18-35; Ord. No. 89-11, 4-12-1989)

Sec. 74-60. - Definitions.

Unless the provisions of this article specifically otherwise state, all terms used in this article shall be defined in the manner set forth in the Emergency Telephone System Act, 50 ILCS 750/0.01 et seq., or other law to which reference is made by provisions of the Act.

(Code 1981, § 18-36; Ord. No. 89-11, 4-12-1989)

Sec. 74-61. - Effective date.

This article shall become effective on June 1, 1989.

(Code 1981, § 18-37; Ord. No. 89-11, 4-12-1989)

9-1-1 SERVICES AGREEMENT

This 9-1-1 Services Agreement ("Agreement") is made by and between NG-911, Inc., an Iowa corporation with its principal offices located at 815 South Highland, Williamsburg, Iowa 52361 ("NG-911"), and the Boone County, Illinois, Emergency Telephone System Board ("County" or "ETSB"), with its offices at Belvidere, Illinois (NG-911 and ETSB each a "Party" and collectively, the "Parties").

RECITALS

WHEREAS, ETSB is part of a group of ten (10) Emergency Telephone System Boards ("ETSBs") known as the Northern Illinois Next Generation Alliance ("NINGA"); and

WHEREAS, during August of 2015, NINGA issued a Request for Proposals for a System Integrator for a Next Generation 9-1-1 Host/Remote System (the "RFP"), a copy of which, with the responses of NG-911, is attached hereto as Exhibit A and incorporated herein by reference as though fully set forth; and

WHEREAS, NG-911 responded to the RFP and was selected by the members of NINGA as the System Integrator; and

WHEREAS, the members of NINGA have each agreed to contract with NG-911 individually, but with contracts with substantially identical terms (except for pricing), to provide the services contemplated by the RFP; and

WHEREAS, NG-911, Inc. is certificated as a 9-1-1 System Provider ("SSP") in Illinois pursuant to the order issued by the Illinois Commerce Commission ("ICC") in Docket No. 12-0093, and desires to provide the services contemplated by the RFP; and

WHEREAS, the Parties desire to set forth their agreements with respect to the provision of a Next Generation 9-1-1 Host/Remote System for ETSB by NG-911,

NOW THEREFORE, in consideration of the premises and payments, promises and mutual covenants set forth herein, the receipt and sufficiency of such consideration being hereby acknowledged, the Parties agree as follows:

1. The Project. NG-911 is the System Integrator as defined in the RFP and will design, purchase and implement a complete turn-key hosted Next Generation 9-1-1 system for ETSB, including customer premise equipment (CPE), emergency services Internet protocol network (ESInet) and geographic information system (GIS) as described in the RFP.
2. Scope of Work. NG-911 agrees to perform the work described in the RFP.
 - a. NG-911 will furnish all tools, equipment, materials, supplies, labor, supervision,

9-1-1 Services Agreement

transportation, and other accessories, and services required for the performance of its duties and obligations specified in this Agreement and will execute and complete all specified work with due diligence, in accordance with good technical practice and industry standards.

- b. As the System Integrator, NG-911 will be responsible for all aspects of Database Management, GIS Data and Maintenance, and provisioning the Network, as described in the RFP. [REDACTED]

- c. Initial ALI Database Load. [REDACTED]

[REDACTED] Thereafter, the telephone companies will submit to NG-911 and NG-911 shall directly administer and have responsibility for, Service Order Updates and Error Resolutions. ETSB will cooperate with NG-911 to correct errors by working with NG-911 to update the MSAG or work with the telephone companies to resolve errors and successfully load ALI records into the ALI database.

GIS Data and Maintenance. NG-911 will utilize a format for GIS data consistent with NENA standards, as required by the RFP. If format changes based on updated technology, NENA standards or system requirements require an alternate format, the ETSB agrees to accept the format and make changes to the ETSB's GIS system and data to make the system operational. [REDACTED]

- e. Network. As the 9-1-1 Service Provider which is subject to State and Federal regulatory compliance, NG-911 will have the sole responsibility and authority for the design and deployment of the network, including but not limited to IP assignment, hardware selection and deployment, monitoring, access to the network, remote access to the network, connections to the network, bandwidth requirements, system diagrams, methods and procedures, testing requirements. NG-911 will work cooperatively with NG-911's network sub-contractors and NINGA to produce the network design, seeking input from all parties. NG-911 will make the final decision on design issues considering all parties. The ETSB agrees to cooperate with NG-911 and make such connections as NG-911 shall direct for the network.

9-1-1 Services Agreement

- f. Project Management and Regulatory Support. Project Management will be provided by NG-911 in accordance with the RFP. NG-911 will provide regulatory support for the ETSB's State's Attorney or other counsel of ETSB's choice, to navigate the Illinois regulatory process for plan modification approvals, including approval of the change to NG-911 as the System Service Provider. Before any application is filed, NG-911 will engage in discussions with ICC and ISP Staff to ensure that all regulatory concerns have been addressed. ETSB will be required to file an application for approval of an amended plan, either before the ICC or the ISP, or both. The application will be docketed as a separate proceeding (and may be consolidated with other applications). The application will include the proposed amended plan and narrative, network diagrams, test plans and numerous other documents required by Illinois Administrative Regulations. ETSB will file prefiled direct testimony in support of the application, respond to Data Requests from Staff and Intervenors, and file rebuttal testimony and surrebuttal testimony. The ISP and/or the ICC may (and probably will) hold hearings and require submission of proposed findings of fact and conclusions of law and/or legal briefs. It is likely that Access Carriers and other third Parties will intervene, which will require additional attention.

NG-911's counsel cannot represent ETSB, but due to the common interests of the Parties, will assist the ETSB's State's Attorney or other counsel of the ETSB's choice in preparing all filings. NG-911 will assist by providing suggested forms of all pleadings, including applications, schedules and exhibits, suggested testimony, rebuttal testimony, surrebuttal testimony; by providing suggested responses to Data Requests and any other questions from ISP or ICC Staff; by conducting telephone conferences with ETSB's attorney or State's Attorney, and by providing such other assistance as ETSB, its attorney or State's Attorney may reasonably request. In addition, NG-911 will intervene and file testimony in support of the application for approval of the amended plans and file rebuttal testimony, as needed.

- g. Training. NG-911 will provide training as set forth in its RFP response within the ETSB's facility or in a location acceptable to the ETSB.

3. Service Level Agreement.

- a. NG-911 shall provide support 24 hours, 7 days a week, 365 days per year. Twenty-four hour technical and maintenance support shall be available with a response time as set forth below. The Parties acknowledge that a "response" to a Critical or Major service unavailability shall include the remote response of an NG-911 technician.
- **Critical:** System failures that render the system completely unusable or significantly reduce system operability, and are considered to be operationally unacceptable by the ETSB.
 - **Major --** System failures that indicate a severe, service affecting condition has occurred and that immediate corrective action is imperative, regardless of the time

9-1-1 Services Agreement

of day or day of the week. Escalation to top level personnel is immediate, and required.

- Minor – Non Service affecting issues – noise-static – single position issues

- NG-911 agrees to have two properly trained and certified technicians, one employed by NG-911 and one employed by Solacom, located within the footprint of the NINGA group, with at least one of said technicians available to respond to service unavailability issues within the time limitations set forth below. Each technician will have a back-up technician available at all times. The technicians will be on-site for the installation and cut-over of the ETSB's system.
- If the ETSB experiences a Major or Critical service unavailability and NG-911 fails to respond in the time specified, ETSB will be compensated by a service rebate credit as follows:

<u>Service Issue</u>	<u>Response Time</u>	<u>Monetary Credit</u>
Critical	1 Hour	\$ [REDACTED]
Major	2 Hours	\$ [REDACTED]
Minor	2 Days	\$ [REDACTED]

- Any Credit due to the ETSB will be credited against the next monthly bill. The maximum credit per month shall not exceed 20% of the monthly recurring charge.
- The Service Unavailability Credit shall not apply to Service Unavailability caused by failures or interruptions due to Force Majeure, unauthorized alterations by ETSB or third parties, or planned work and outages, for which NG-911 will give the ETSB advance notice.
- The ETSB agrees to promptly report Service Unavailability to NG-911 via the toll-free hotline number provided by NG-911.

- Term. This Agreement shall be effective [REDACTED]
[REDACTED]
[REDACTED] ("Initial Term"). [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED] ("Renewal Term") [REDACTED]
[REDACTED]

- Termination. This Agreement is not terminable by either party except that either party may, subject to any applicable breach, notice and cure provision, terminate this Agreement for cause. In the event of termination of this Agreement, the ETSB agrees to timely request

9-1-1 Services Agreement

regulatory approval of an amended 9-1-1 Plan to delete reference to NG-911 as the SSP and, unless the termination is due to an alleged breach of this Agreement by NG-911, Inc., to hold NG-911 harmless from any costs associated therewith.

6. Payments. The ETSB shall pay to NG-911, the sums set forth and on the dates set forth in the Payment Schedule attached hereto as Exhibit B and incorporated herein by reference as though fully set forth.

a. Start Up Cost.

██████████ NG-911 will commence work. In the event less than all ten (10) of the NINGA Members have ██████████ by September 1, 2016, this Agreement will continue in force and effect, except that

- ██████████
██████████
██████████
██████████
- ██████████
██████████
██████████
██████████

- b. Recurring Monthly Charges. The Parties acknowledge that pursuant to 50 ILCS 750/10, the Illinois Department of State Police ("ISP") is administering the payment of certain 9-1-1 costs described in the statute, and as further developed by the Illinois Administrative Code. NG-911 agrees to submit for payment by the ISP, those sums denominated as such on Exhibit B and to make a good faith effort to obtain payment of those costs from the ISP. However, the ETSB acknowledges that in the event for any reason the ISP cannot or will not pay the amounts submitted to it by NG-911 for payment, upon notice by NG-911, the ETSB will pay the costs. In the event NG-911 subsequently receives payment from the ISP for expenses paid by the ETSB, NG-911 will refund or credit the payment to the ETSB.

7. Participant Fee. Should any ETSB within the State of Illinois elect to not issue an RFP and instead, contract with NG-911 upon terms and pricing acceptable to NG-911, utilizing the same contract with the same terms as the contract between NG-911 and the ten (10) original NINGA members (except for Exhibit B, Pricing, which will vary by customer), NG-911 agrees to collect a one-time fee of \$██████████ as a ██████████ to compensate the original ten (10) ETSBs for their labor and expenses. After the Participant remits the ██████████, NG-911 will provide a one-time credit of \$██████████ to each of the original ten (10) NINGA members' monthly bills. The foregoing shall not apply to any ETSBs that are current customers of NG-911 or that have been identified by NG-911 as its potential customers before September 1, 2016.

9-1-1 Services Agreement

8. Disclosure of Information. The terms of this Agreement, as well as information designated as confidential or proprietary by NG-911 ("Confidential Information"), will be held in confidence by the ETSB to the fullest extent allowed by law and will not be disclosed to or discussed with third parties, including without limitation, NG-911's competitors. If the ETSB is required to provide Confidential Information to any court or government agency or any other third party pursuant to written court order, subpoena, regulation or process of law, including without limitation, a request under the Freedom of Information Act, the ETSB will immediately inform NG-911 so as to allow NG-911 the opportunity to contest the disclosure or take other measures to protect its interests, as NG-911 deems appropriate. In all cases, the ETSB's only obligations are to notify NG-911 and cooperate with NG-911, at NG-911's cost, to appropriately protect against or limit the scope of such disclosure. ETSB will limit disclosure of information to those with a "need to know" such information; and, except as provided above, will not disclose information clearly designated as proprietary by NG-911 to third parties without the consent of NG-911. The parties acknowledge that the Freedom of Information Act may be applicable to any and all documents in this Agreement, and that the ETSB may be obligated to provide responses to a valid FOIA request.
9. Representations, Warranties and Covenants of NG-911. NG-911 represents, warrants and covenants:
- a. That NG-911 is entering into this Agreement on its own behalf and not on behalf of any undisclosed person, firm or corporation.
 - b. That the officer signing this Agreement on behalf of NG-911 has corporate authority to execute this Agreement.
 - c. That NG-911 is a duly organized corporation, validly existing and in good standing under the laws of the state of Iowa and is duly qualified to conduct business in the state of Illinois and has the power to own or lease its properties and to carry on the business described in the NINGA Project.
 - d. That NG-911 has duly approved the execution of this Agreement by all necessary actions; that this Agreement has been duly and validly executed and delivered by NG-911; and that this Agreement constitutes a valid and binding obligation of NG-911, enforceable against it according to its terms, subject to bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium and similar laws affecting the enforceability of contractual obligations and creditor's rights generally and by the application of equitable principles by courts of competent jurisdiction, sitting at law or in equity.
 - e. That the execution and delivery of this Agreement by NG-911 and its performance of the obligations hereunder, do not a) conflict with or result in any breach of any provision of the formation or charter documents of NG-911; b) except for any required approvals of the Illinois Commerce Commission ("ICC") or the Illinois Department

of State Police ("ISP"), require any consent, approval, authorization or permit of, or filing with or notification to, any governmental authority, except where the failure to obtain such consent, approval, authorization or permit, or to make such filing or notification, would not have a material adverse effect on NG-911 or materially adversely affect the ability of NG-911 to consummate the transactions contemplated by this Agreement; c) except as would not, individually or in the aggregate, have a material effect on NG-911, conflict with or result in a breach or violation of, or constitute a default under, or result in (or create in any party the right to cause) the acceleration of any performance of NG-911 under, (i) any judgment or law to which it is subject or bound (subject to any consents, approvals, authorizations, permits, filings or notifications required under b) above), or (ii) any mortgage, bond, indenture, agreement, contract, license or other instrument or obligations to which NG-911 is subject or bound.

- f. **Non-Discrimination/Equal Employment Opportunity.** NG-911 shall comply with Illinois laws regarding non-discrimination and equal employment opportunity and in accordance with the provisions of 775 ILCS 5/2-105, NG-911 shall:
 - i. Refrain from unlawful discrimination and discrimination based on citizenship status in employment and undertake affirmative action to assure equality of employment opportunity and eliminate the effects of past discrimination;
 - ii. Comply with the procedures and requirements of the Department's regulations concerning equal employment opportunities and affirmative action;
 - iii. Provide such information, with respect to its employees and applicants for employment, and assistance as the Department may reasonably request;
 - iv. Have written sexual harassment policies that shall include, at a minimum, the following information: (i) the illegality of sexual harassment; (ii) the definition of sexual harassment under State law; (iii) a description of sexual harassment, utilizing examples; (iv) the vendor's internal complaint process including penalties; (v) the legal recourse, investigative and complaint process available through the Department and the Commission; (vi) directions on how to contact the Department and Commission; and (vii) protection against retaliation as provided by Section 5-101 of this Act. A copy of the policies shall be provided to the Department upon request.
- g. All people representing/contracting that will be present in the communications centers with LEADS/NCIC will have to meet the security guidelines as required by the agency, LEADS, and NCIC. This will involve fingerprinting and receipt of a State Identification Number (SID) from the State of Illinois.

10. **Representations, Warranties and Covenants of the ETSB.** The ETSB represents, warrants and covenants:

9-1-1 Services Agreement

- a. That the ETSB has the requisite power and authority to approve, authorize, execute and deliver this Agreement.
 - b. That the ETSB is a duly appointed and approved county governmental entity, duly organized, validly existing and in good standing under the laws of the state of Illinois and is duly qualified to conduct its business and purchase the services contemplated by this Agreement.
 - c. That the ETSB has duly approved the execution of this Agreement by all necessary actions; that this Agreement has been duly and validly executed and delivered by the ETSB; and that this Agreement constitutes a valid and binding obligation of the ETSB, enforceable against it according to its terms, subject to bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium and similar laws affecting the enforceability of contractual obligations and creditor's rights generally and by the application of equitable principles by courts of competent jurisdiction, sitting at law or in equity.
 - d. That there is no action, suit, claim, governmental investigation, arbitration or other proceeding pending, or, to the actual knowledge of the ETSB's officers, threatened against the ETSB or any of its officers or directors which, if adversely determined, would have a material effect upon the ETSB's ability to perform its obligations under this Agreement.
11. Regulatory Approval. The Parties acknowledge that this Agreement and NG-911's authority to act as SSP for the ETSB, are subject to the approval and continuing jurisdiction of the ICC and/or the ISP. NG-911 will request approval to act as the SSP as part of the application for approval of the modified 9-1-1 Plan. In the event approval is not granted, the Parties will negotiate in good faith for a resolution.
12. Breach, Notice and Cure. The Parties acknowledge that neither has previously contracted for hosted 9-1-1 services and that there may be issues which arise that were not anticipated by either party. Therefore, the Parties covenant and agree to attempt to resolve by good faith negotiation, any issues which may arise during the term of this agreement.

Following good faith negotiations, in the event of a breach, the non-breaching party shall notify the breaching party of the specific acts or omissions constituting the breach. The breaching party shall have thirty (30) days from the receipt of this notice to cure the breach (except that payment breaches shall be cured within ten (10) days) and if the breach is cured within said thirty (30) day period (or ten (10) days for a payment breach), the breach will be deemed to have not occurred; provided, that if the breach is of a type which cannot be cured within thirty (30) days, the breaching party shall be allowed the opportunity to commence and pursue to completion, good-faith efforts to cure the breach within a reasonable time. If the breaching party fails to cure the breach within thirty (30) days or, if the breach is of a type which cannot be cured within thirty (30) days and the breaching party has not commenced or is not pursuing good-faith efforts to cure the breach within a reasonable time, this Agreement

9-1-1 Services Agreement

may be terminated by the non-breaching party.

13. Limitation of Liability and Indemnity.

- a. All provisions of NG-911's Non-Competitive 9-1-1 System Provider Tariff presently in effect and hereafter filed with the Chief Clerk of the Illinois Commerce Commission releasing or limiting NG-911 from liability of any type to any person or party, are incorporated herein by reference as though fully set forth.
 - b. Nothing in this Agreement shall limit or restrict either party from pursuing, through civil litigation or other appropriate means, any actual damages arising out of this Agreement.
 - c. NG-911 shall indemnify, defend and hold harmless the ETSB and its officers and directors from and against any and all loss and expense incurred by the ETSB to third parties arising from or in connection with (or alleged to arise from or in connection with): (a) any failure by NG-911 to perform its obligations under this Agreement; or (b) the negligence or willful misconduct of NG-911 or any of its officers, directors, employees, agents or representatives in connection with this Agreement. The ETSB shall promptly notify NG-911 of the assertion of any claim against it for which it is entitled to be indemnified hereunder, and NG-911 shall have the right to assume the defense of the claim in any legal proceeding and to approve any settlement of the claim, which approval shall not be unreasonably withheld. These indemnification provisions are for the protection of the ETSB only and shall not establish any liability to third parties. The provisions of this Section shall survive termination of this Agreement.
 - d. The ETSB shall indemnify, defend and hold harmless NG-911, and its officers and directors, from and against any and all losses and expenses incurred by NG-911 to third parties arising from or in connection with (or alleged to arise from or in connection with): (a) any failure by the ETSB to perform its obligations under this Agreement; or (b) the negligence or willful misconduct of the ETSB or any of its officers, directors, employees, agents or representatives in connection with this Agreement. NG-911 shall promptly notify the ETSB of the assertion of any claim against it for which it is entitled to be indemnified hereunder, and the ETSB shall have the right to assume the defense of the claim in any legal proceeding and to approve any settlement of the claim, which approval shall not be unreasonably withheld. These indemnification provisions are for the protection of NG-911 only and shall not establish any liability to third parties. The provisions of this Section shall survive termination of this Agreement.
14. Relationship of Parties. The relationship of the parties hereunder shall be that of independent contractors. Neither party is intended to have, and neither of them shall represent to any other person that it has, any power, right or authority to bind the other or to assume or create any obligation or responsibility, expressed or implied, on behalf of the other, except as expressly

9-1-1 Services Agreement

required by this Agreement or as otherwise permitted in writing. Nothing in this Agreement shall be construed to create between the Parties any partnership, joint venture, employment relationship, franchise or agency.

15. Governing Law and Venue. This Agreement shall be governed by and construed and interpreted in accordance with the laws of the State of Illinois applicable to agreements made and to be performed entirely within such state, including all matters of enforcement, validity and performance. Venue shall lie in the State or Federal courts in Illinois.
16. Recitals. The Recitals set forth on the first page of this Agreement are incorporated herein by reference as though fully set forth.
17. Severability. If any provision of this Agreement shall be held invalid, illegal or unenforceable, the validity, legality or enforceability of the other provisions of this Agreement shall not be affected thereby, and there shall be deemed substituted for the provision at issue a valid, legal and enforceable provision as similar as possible to the provision at issue.
18. Construction of Agreement. The Parties hereto have participated jointly in the negotiation and drafting of this Agreement. In the event an ambiguity or question of intent or interpretation arises, this Agreement shall be construed as if drafted jointly by the Parties hereto, and no presumption or burden of proof shall arise favoring or disfavoring any Party by virtue of the authorship of any of the provisions of this Agreement. Whenever required by the context, any pronoun used in this Agreement shall include the corresponding masculine, feminine, or neuter forms, and the singular form of nouns, pronouns, and verbs shall include the plural and vice versa. The use of the word "including" in this Agreement shall be by way of example rather than by limitation. The use of the words "or," "either," and "any" shall not be exclusive. Any specific provisions of this Agreement shall be deemed to supersede any provisions in the RFP on the same subject and this Agreement and the RFP shall be construed harmoniously, if possible, to give effect to the intent of the Parties.
19. Notices. Any notice required or permitted to be given hereunder shall be in writing shall be: (i) personally delivered; and/or (ii) transmitted by postage pre-paid first class certified United States mail return receipt requested; and/or (iii) transmitted by pre-paid, overnight courier (e.g. FedEx, DHL, UPS, etc.); and/or (iv) transmitted by facsimile (fax); and/or (v) transmitted by e-mail. All notices and other communications shall be deemed to have been duly given, received and effective on the date of actual receipt. Either Party may unilaterally change its address for purposes hereof by notice given to the other Party. Notices hereunder shall be directed to the Parties and their designated agents at the following addresses:

NG-911: NG-911, Inc.
 Attn: Michael Ramsey, CEO
 815 S. Highland
 Williamsburg, IA 52361
 Fax: (319) 668-9369
 Email: mramsey@ng-911inc.com

9-1-1 Services Agreement

With a copy to :

Richard W. Hird
Petefish, Immel, Heeb & Hird, LLP
P.O. Box 485 842 Louisiana Street
Lawrence, KS 66044
Fax: 785-843-0407
Email: rhird@petefishlaw.com

ETSB: Boone County Emergency Telephone System Board
Attn: Perry Gay
615 N Main St
Belvidere IL 61008
Fax: 815-544-9573
Email: perrygay@boonecountysheriff.com

With a copy to:

Fax: _____
Email: _____

20. Further Assurances. The Parties hereby agree to execute, acknowledge and deliver to each other any further writings, documents, transfers, acknowledgements, instruments, powers of attorney, authorizations, filings, applications, reports, etc. that may be reasonably required to give full force and effect to the provisions of this Agreement, and to take such further actions reasonably required in fulfillment of obligations set forth herein or in furtherance of the intent hereof.
21. Amendment. This Agreement may not be modified or amended, except by an instrument in writing signed by the party against whom enforcement of any such modification or amendment is sought. Either party hereto may waive compliance by the other party with any term or provision of this Agreement on the part of the other party to be performed or complied with. The waiver by a party hereto of a breach of any term or provision of this Agreement shall not be construed as a waiver of any subsequent breach.
22. Force Majeure. No delay in, or failure of, performance by either party under this Agreement, except and excluding payments hereunder, will constitute default hereunder or give rise to any claim for damages if and to the extent caused by Force Majeure. Force Majeure shall mean acts of God, strikes, lock-outs or other such industrial disturbances, acts of the public enemy, wars, blockades, insurrections, riots, epidemics, landslides, lightning, earthquakes, fires, tornadoes, storms, floods, high water, washouts, civil disturbances, explosions, breakage or accidents in and to equipment and machinery, and all other causes, whether of the kind herein enumerated

9-1-1 Services Agreement

or otherwise, not reasonably within the control of the party claiming suspension due to Force Majeure.


23. Binding Agreement. The provisions of this Agreement shall be binding upon, and inure to the benefit of, the Parties hereto and their respective successors and assigns.
24. Counterparts. This Agreement may be executed in counterparts, all of which together shall constitute one Agreement binding on the Parties hereto, notwithstanding that both of the Parties have not signed the same counterpart. Counterpart signatures may be exchanged by pdf file, fax or other electronic communication and shall be considered to be binding originals.
25. Entire Agreement. This Agreement, including agreements incorporated herein, and the schedules and exhibits hereto, contain the entire agreement between the Parties with respect to the subject matter hereof and there are no agreements, understandings, representations or warranties between the Parties other than those set forth or referred to herein.

(The remainder of this page intentionally left blank; signature pages follow.)

9-1-1 Services Agreement

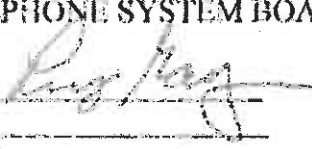
IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date(s) set forth below.

NG-911, INC.


By: Michael Ramsey, President and CEO

Sept 6th 2016
Date Signed

Boone COUNTY
EMERGENCY TELEPHONE SYSTEM BOARD


By: Perry Gay
Title: Lieutenant

August 9, 2016
Date Signed

EXHIBIT A

REQUEST FOR PROPOSAL
WITH NG-911, INC. RESPONSES

EXHIBIT B

PAYMENT SCHEDULE

Entire Exhibit Redacted

INTERGOVERNMENTAL COOPERATION AGREEMENT BETWEEN
THE WINNEBAGO COUNTY EMERGENCY TELEPHONE SYSTEM
BOARD AND THE BOONE COUNTY EMERGENCY TELEPHONE
SYSTEM BOARD

THIS AGREEMENT made this 15 day of May,
1992 by and between the Winnebago County Emergency Telephone
System Board, (hereinafter referred to as "Winnebago"), and the
Boone County Emergency Telephone System Board, (hereinafter
referred to as "Boone");

WITNESSETH: Article VII, Section 10 (a) of the 1970
Constitution of the State of Illinois provides that units of
local government may jointly contract or otherwise associate with
one another in order to obtain or share services and to exercise,
combine or transfer any power or function in any manner not pro-
hibited by law or by ordinance; and

WHEREAS, Article VII, Section 10 (a) of the 1970
Constitution of the State of Illinois further provides that units
of local government may use their resources related to the
aforementioned intergovernmental activities; and

WHEREAS, the Intergovernmental Cooperation Act (Ill. Rev.
Stat., ch. 127, par. 741 et seq. 1989, as amended) provides, in
part, that any power or powers, privileges or authority exercised
or which may be exercised by a public agency of this state may be
exercised and enjoyed jointly with any other public agency of
this state; and

WHEREAS, both Winnebago and Boone are public agencies
within the meaning of the Intergovernmental Cooperation Act; and

WHEREAS, Boone has requested that Winnebago allow its
primary Public Safety Answering Point (PSAP) to be made available
for use by Boone as a backup PSAP in the event the need arises to
evacuate Boone's primary PSAP; and

WHEREAS, it would be in the best interests of intergovern-
mental cooperation for Boone and Winnebago to enter into an inter-
governmental agreement for the purposes set forth herein.

NOW, THEREFORE, Winnebago and Boone agree as follows:

- I. The primary PSAP for Winnebago located at 204
South First Street, Rockford, Illinois may be
utilized by Boone as a temporary backup PSAP
in the event an emergency requires the evacua-
tion of Boone's primary PSAP.
- II. Boone agrees to notify Winnebago in as timely
a manner as possible prior to switching its
calls to Winnebago in the event of an emergency.

- III. That Winnebago will be the temporary backup PSAP for Boone for such a period of time as it will take the Boone primary PSAP personnel to move to its backup location.
- IV. It is understood that while both Boone and Winnebago have enhanced 9-1-1 services, i.e. automatic number identification (ANI) and automatic location identification (ALI), it is uncertain that those calls transferred from Boone to Winnebago will carry these enhanced features with them.
- V. Both Winnebago and Boone shall each take appropriate action, by adoption or passage of the requisite resolutions, so as to fully implement each and every provision of this Agreement.
- VI. If any portion of this Agreement is invalid for any reason, such invalidation shall not affect other provisions of this Agreement which can be given effect without the invalid provision; and, to this end, the provisions of this Agreement are to be severable.

IN WITNESS WHEREOF, the undersigned parties hereto have caused this Agreement to be executed by their duly designated officials pursuant to a proper resolution of their respective governing body.

WINNEBAGO COUNTY EMERGENCY
TELEPHONE SYSTEM BOARD

BY: 

William Baylor
Chairman,
Winnebago County Emergency
Telephone System Board

BOONE COUNTY EMERGENCY TELEPHONE
SYSTEM BOARD

BY: 

Michael J. Rogers
Chairman,
Boone County Emergency
Telephone System Board



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and Belvidere Police Department, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: Starcom frequency 560 Hex

Secondary: Telephone 815-544-2135

Belvidere Police Department

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 COORDINATOR

Date 2/7/2020

Belvidere Police Department

By [Signature]

Title CHIEF OF POLICE

Date 2/7/2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and Boone County Sheriff's Office, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: Starcom Frequency 560 Hex

Secondary: Telephone 815-544-2144

Boone County Sheriff's Office

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 Coordinator

Date 2/7/2020

Boone County Sheriff's Office

By [Signature]

Title Sheriff

Date 02/07/20



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)5449573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and Belvidere Fire Department, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: VHF frequency 154.37

Secondary: Telephone 815-544-2735

Belvidere Fire Department

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 Coordinator

Date 2/7/2020

Belvidere Fire Department

By [Signature]

Title Chief

Date 2/7/2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)5449573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and Boone County Fire District 1, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: VHF frequency 154.37

Secondary: Telephone 815-569-2061

Boone County Fire District 1

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 COORDINATOR

Date 2/11/2020

Boone County Fire District 1

By [Signature]

Title Chief - B.C. F.D. #1

Date 2/11/2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and Boone County Fire District 2, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: VHF frequency 154.37

Secondary: Telephone 815-544-3336

Boone County Fire District 2

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 COORDINATOR

Date 2/7/2020

Boone County Fire District 2

By [Signature]

Title Fire Chief

Date 2-7-2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and Boone County Fire District 3, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: VHF frequency 154.370

Secondary: Telephone 815-765-3366

Boone County Fire District 3

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 Coordinator

Date 2/6/2020

Boone County Fire District 3

By [Signature]

Title Chief

Date 2-6-2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and Capron Rescue Squad, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: VHF frequency 154.37

Secondary: Telephone 815-569-2818

Capron Rescue Squad

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 coordinator

Date 2/7/2020

Capron Rescue Squad

By [Signature]

Title EMS Chief

Date 2-7-2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and Lifeline Ambulance Services, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: 9-1-1 CPE Transfer

Secondary: Telephone 815-395-5497

Lifeline Ambulance Services

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 COORDINATOR

Date 2/11/2020

Lifeline Ambulance Services

By [Signature]

Title Manager

Date 2/11/20



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and the Harlem Roscoe Fire Protection District, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: 9-1-1 CPE Transfer

Secondary: Telephone 815-9623-7867

Harlem Roscoe Fire Protection

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 911 COORDINATOR

Date 3/30/2020

Harlem Roscoe Fire Protection

By [Signature]

Title Fire Chief

Date 3/30/2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and the Winnebago County ETSB, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: 9-1-1 CPE Transfer

Secondary: Telephone 815-987-5506, 815-623-7867, 815-639-4670

Rockford City Police/Fire, Harlem Roscoe Fire Protection, Winnebago County Sheriff's Office, Loves Park Fire Department, Cherry Valley Fire Department, Cherry Valley Police Department, North Park Fire Department

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 911 Coordinator

Date 2/13/20

Winnebago County ETSB

By [Signature]

Title ETSB Chair

Date 2/13/20



BOONE COUNTY E9-1-1

"At The Top In Illinois"
Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and the Dekalb County ETSB, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: 9-1-1 CPE Transfer

Secondary: Telephone 815-895-2155

Dekalb County Sheriff's Office

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 COORDINATOR

Date 2/11/2020

Dekalb County ETSB

By [Signature]

Title 9-1-1 Coordinator

Date 01-30-2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and the McHenry County ETSB, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: 9-1-1 CPE Transfer

Secondary: MCSO (815) 338-2144, Marengo PD/FD and Harvard PD/FD (815) 363-2130

McHenry County Sheriff's Office, Marengo PD/Fire, Harvard Fire/PD

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 Coordinator

Date 1/31/2020

McHenry County ETSB

By [Signature]

Title Director

Date 1/31/2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"
Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and the Ogle County ETSB, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: 9-1-1 CPE Transfer

Secondary: Telephone 815-732-2136

Ogle County Sheriff's Office

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 Coordinator

Date 1/15/2020

Ogle County ETSB

By [Signature]

Title 911 Coordinator

Date 1-15-2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and the Illinois State Toll Highway Authority, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: 9-1-1 CPE Transfer (630) 271-7535

Secondary: Telephone 630-271-7586

Illinois State Toll Highway Authority

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 COORDINATOR

Date 2/11/2020

Illinois State Tollway Highway Authority

By [Signature]

Title: Dispatch Manager

Date 11 February 2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"

Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and Rock County Communications Center, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: CPE Transfer

Secondary: Telephone 608-757-0400

Rock County Sheriff's Office, Clinton Fire & EMS

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 nonemergency 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.

Boone County ETSB

By [Signature]

Title 9-1-1 COORDINATOR

Date 2-7-2020

Rock County Communications Center

By [Signature]

Title Communications Director

Date 2-7-2020



BOONE COUNTY E9-1-1

"At The Top In Illinois"
Paul Moses, Chairman

615 N. Main St., Belvidere, IL 61008
Voice (815)547-6609 Fax (815)544-9573

CALL HANDLING AND AID OUTSIDE JURISDICTIONAL BOUNDARIES AGREEMENT FOR 9-1-1 EMERGENCY COMMUNICATIONS

This agreement is made between the Boone County ETSB, and Sharon Fire and Rescue, for the purpose of effective handling and routing of 9-1-1 Emergency calls.

CALL HANDLING

Boone County Sheriff PSAP receiving a call for emergency services in your jurisdiction shall dispatch the call in the following manner:

Primary: CPE Transfer

Secondary: Telephone 262-741-4400

Sharon Fire & Rescue

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 nonemergency 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.

Boone County ETSB

By 

Title 9-1-1 COORDINATOR

Date 3-11-2020

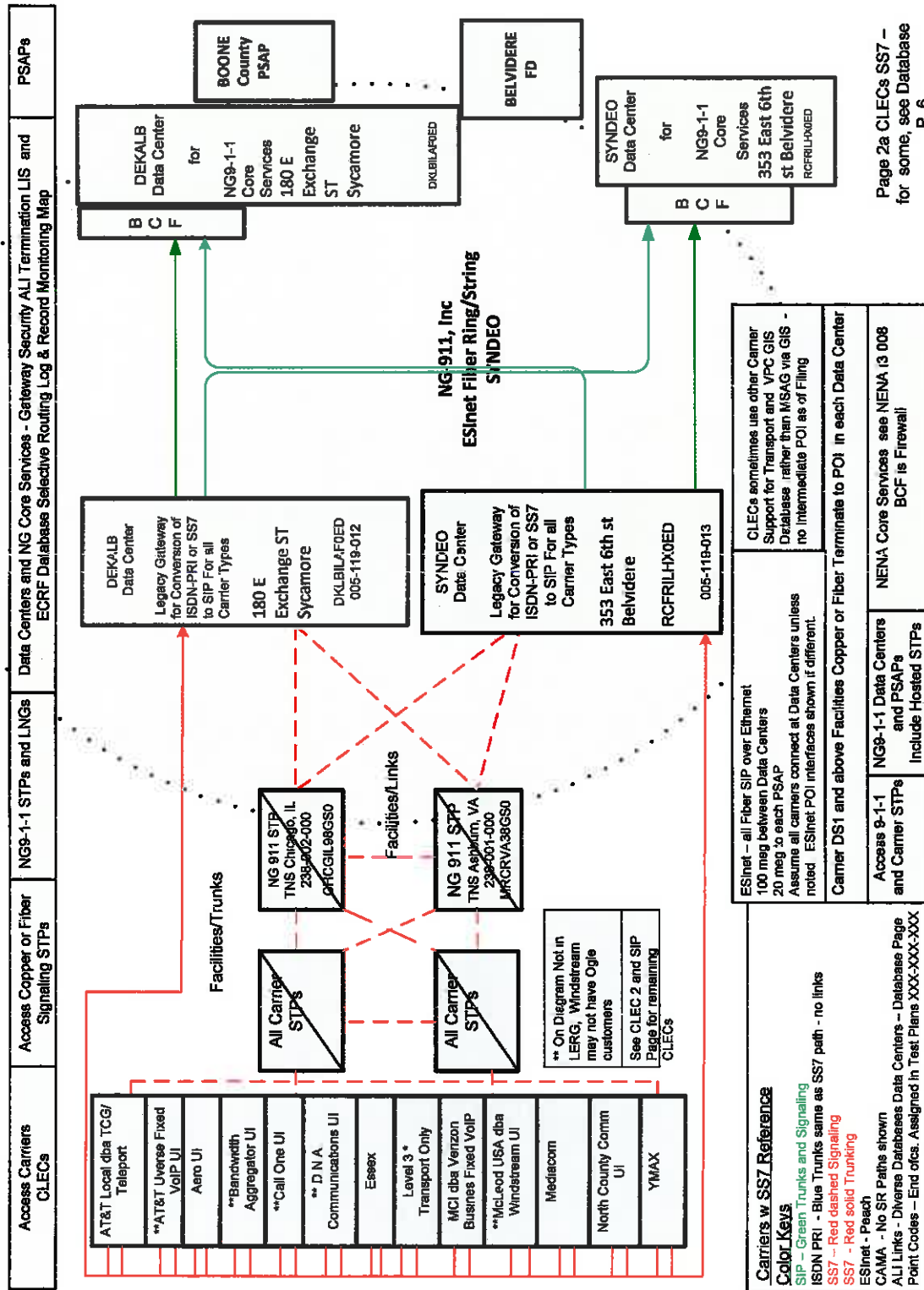
Sharon Fire and Rescue

By 

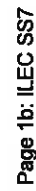
Title Fire Chief

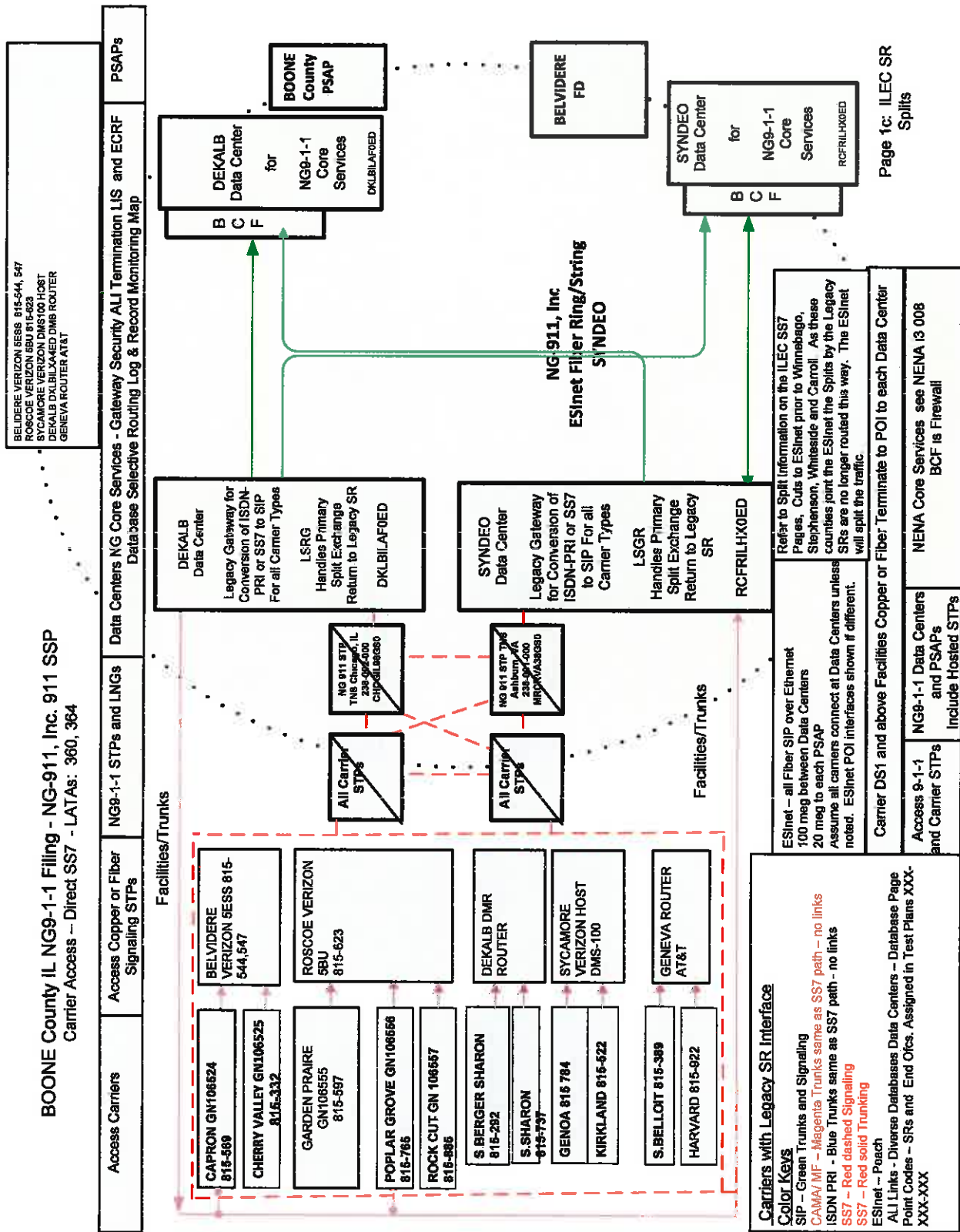
Date 3-10-2020

BOONE County IL NG9-1-1 Filing - NG-911, Inc. 911 SSP
Carrier Access - Direct SS7 - LATAs: 360, 364



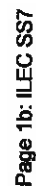
BOONE



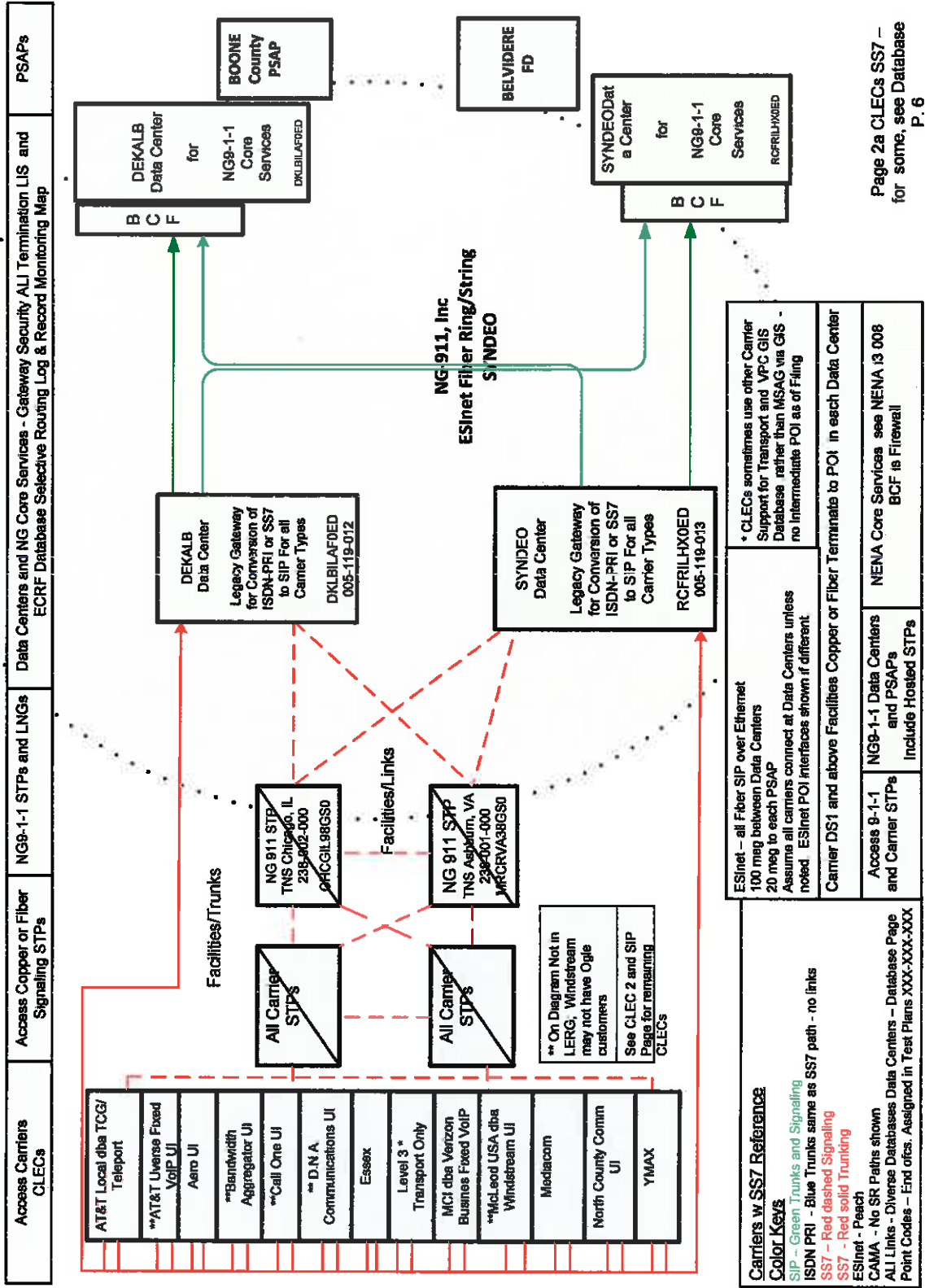


BOONE

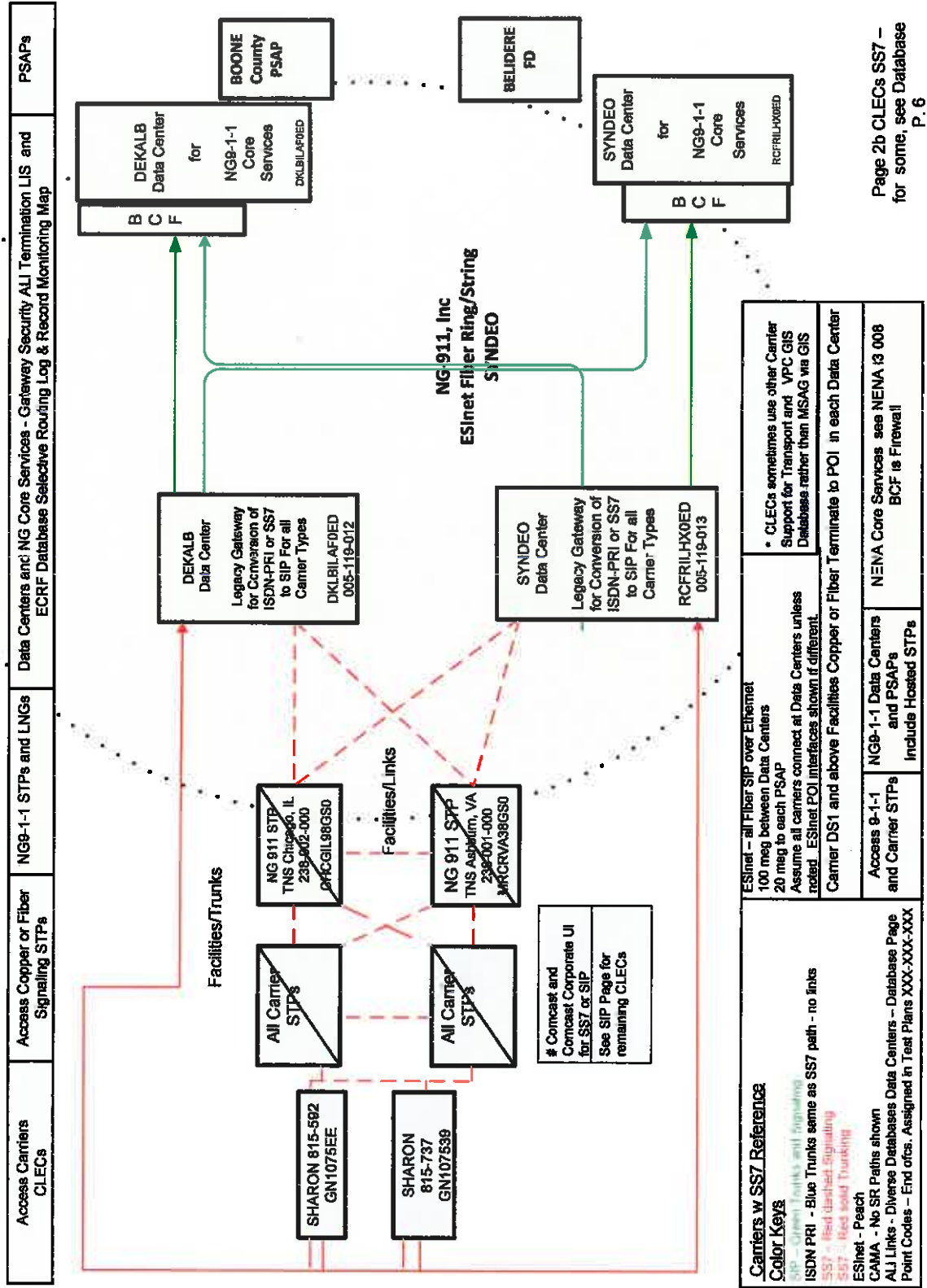
BOONE County IL NG9-1-1 Filing - NG-911, Inc. 911 SSP
Carrier Access - Dired SS7 - LATAs: 360, 364



BOONE County IL NG9-1-1 Filing - NG-911, Inc. 911 SSP
Carrier Access - Direct SS7 - LATAs: 360, 364

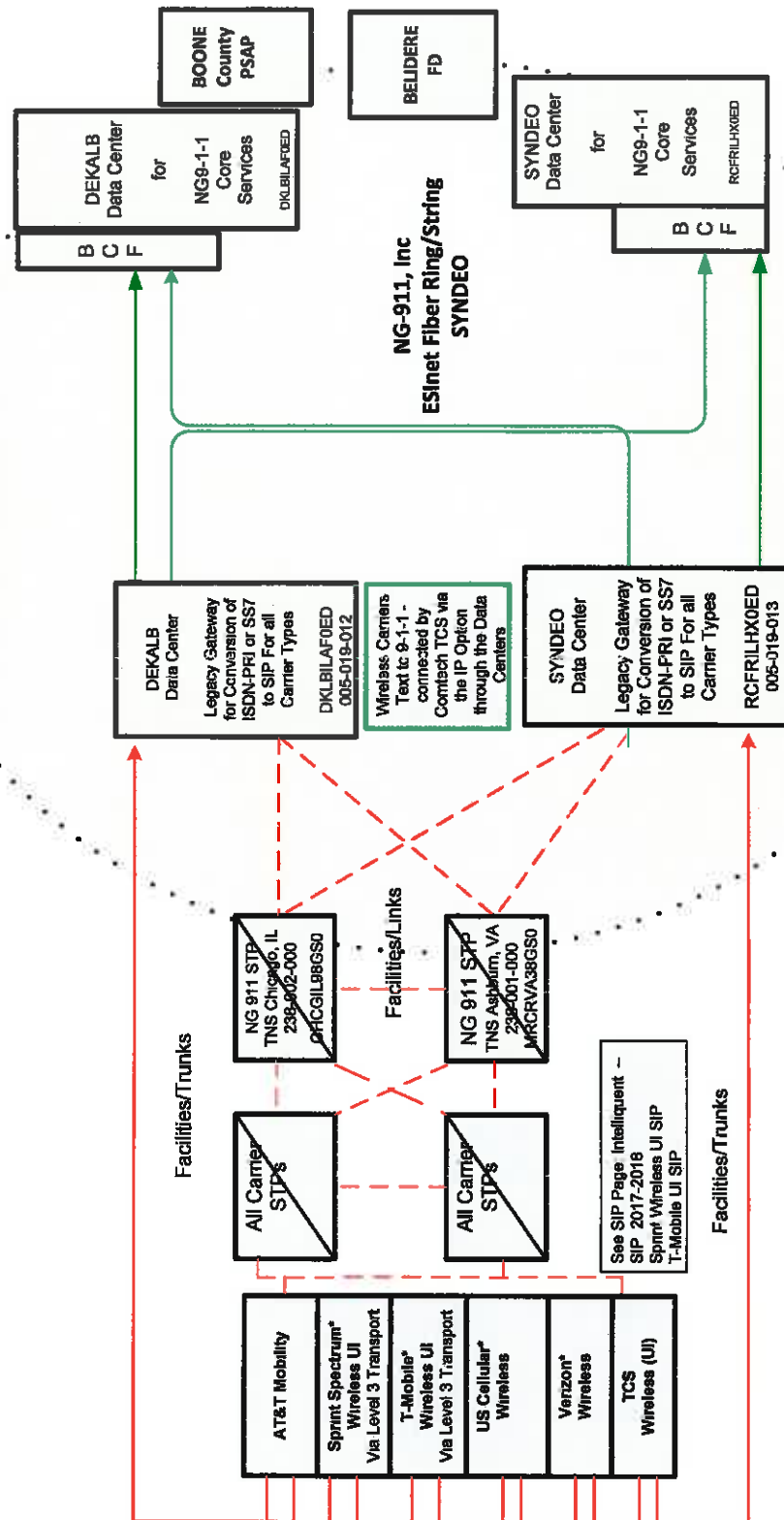


BOONE County IL NG9-1-1 Filing - NG-911, Inc. 911 SSP
Carrier Access - Direct SS7 - LATAs: 360, 364



BOONE County IL NG9-1-1 Filing - NG-911, Inc. 911 SSP
Carrier Access -- Direct SS7 - LATAs: 360, 364

Access Carriers Wireless	Access Copper or Fiber Signaling STPs	NG9-1-1 STPs and LINGs	Data Centers NG Core Services - Gateway Security ALI Termination LIS and ECRF Database Selective Routing Log & Record Monitoring Map	PSAPs
-----------------------------	--	------------------------	---	-------



Carriers w SS7 Reference

Color Keys

SIP – Green Trunks and Signaling

ISDN PRI - Blue Trunks same as SS7 path - no links

SS7 – Red dashed Signalling

SS7 -- Red solid

ESInet - Peach

CAMA - No SR Paths shown

ALI Links - Diverse Databases Data Centers - Database Page

Point Codes – MTSO Ofc.& STP Pair Assigned in Test Plans

XXX-XXX-XXX

**ESInet – all Fiber SIP over Ethernet
100 meg between Data Centers**

20 meg to each PSAP

Assume all carriers connect at Data Centers unless

ESinet POI interfaces shown if different

Carrier DS1 and above Facilities Copper or Fiber Terminate to POI to each Data Center

various ways and means to ensure compliance with the relevant standards.

Accession 9 1 1	NGO 1 1 Defo Contam	MEMO Case Services 000 MEMO 2 000
-----------------	---------------------	-----------------------------------

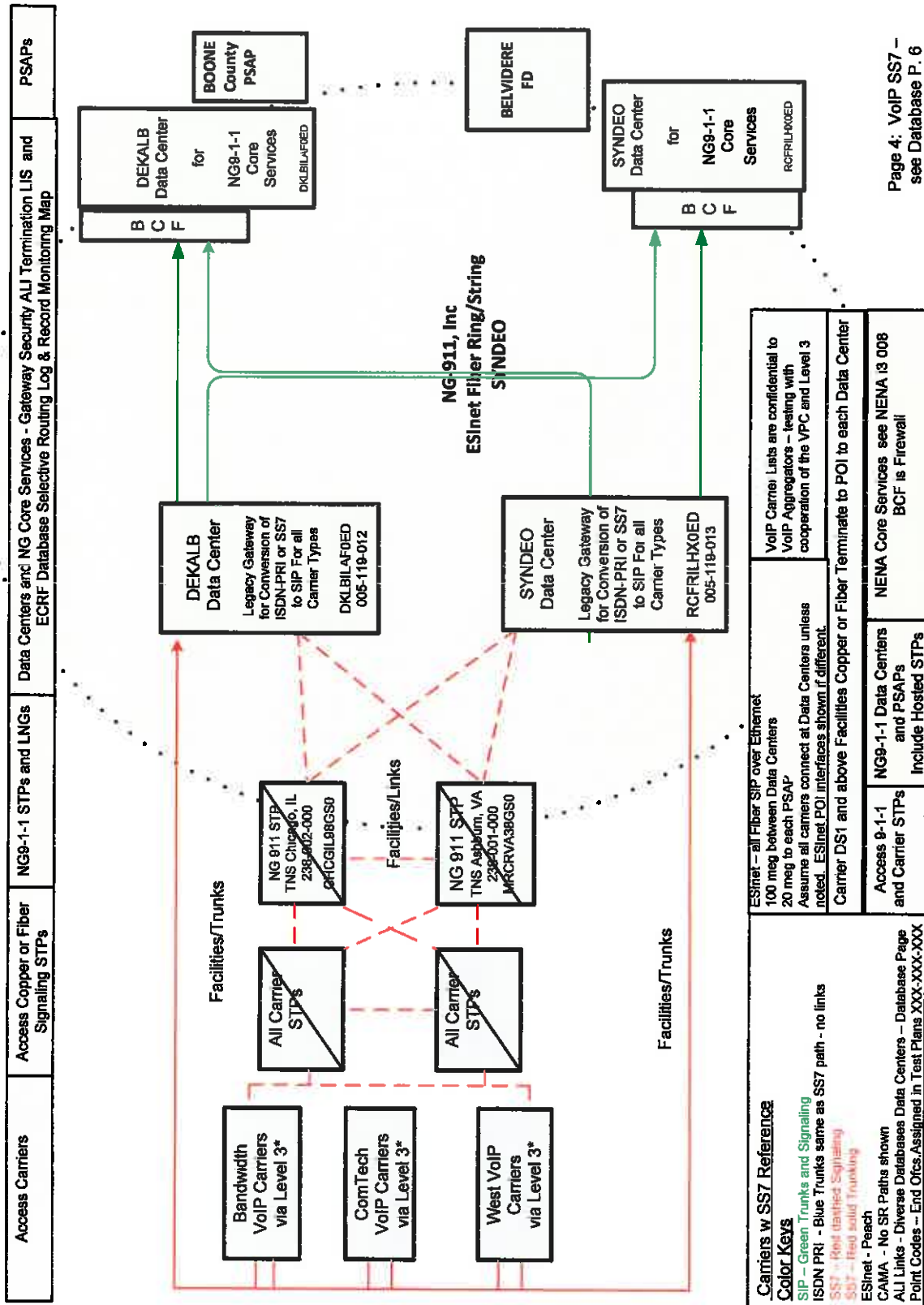
Access 9-1-1
NG9-1-1 Data Centers
NENA Core Services see NENA 13 008

and Carrier STPs	and PSAPs	BCF is Firewall
------------------	-----------	-----------------

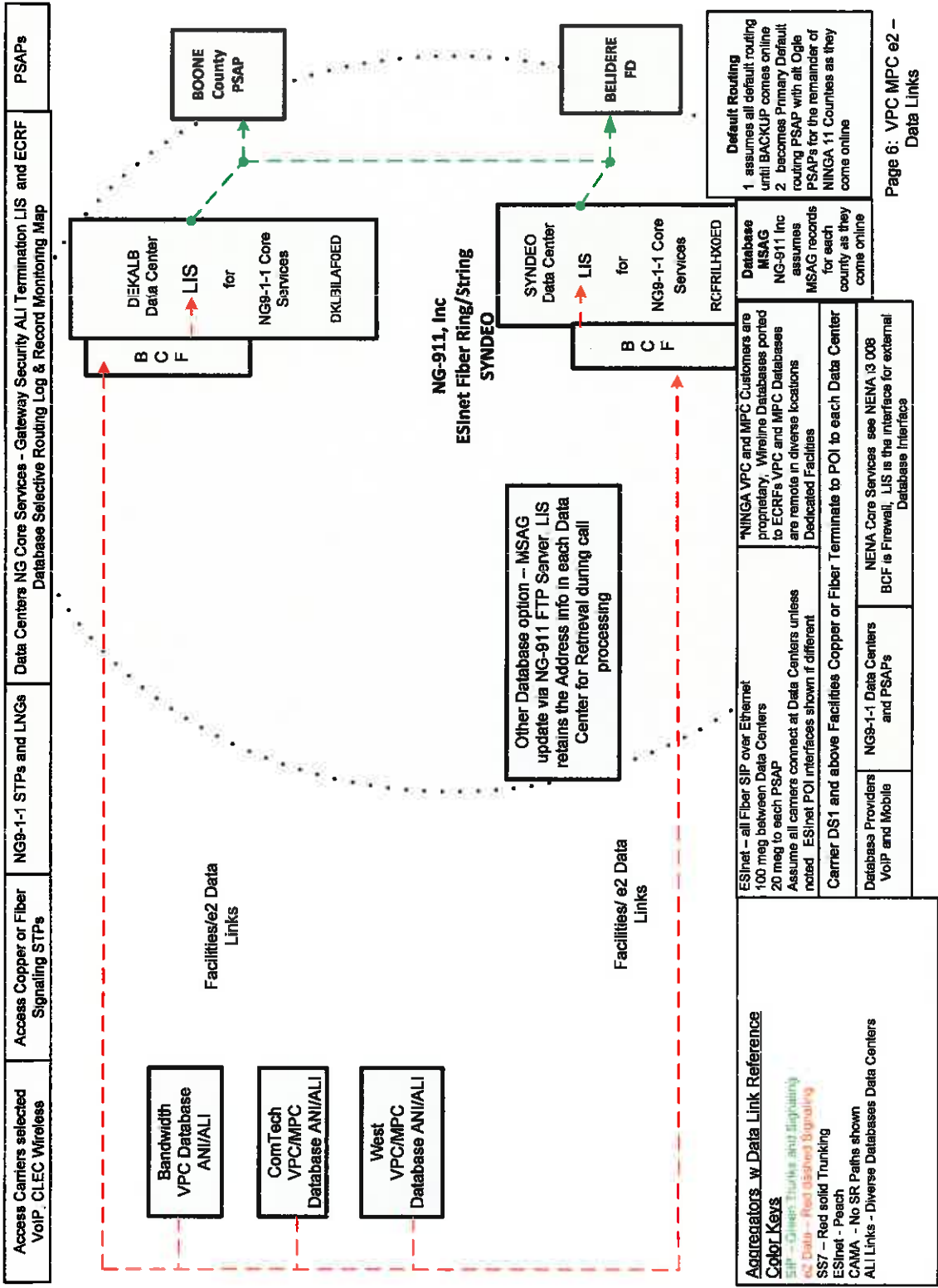
Include Hosted STPs

Page 3: Wireless SS7
See Database P. 6

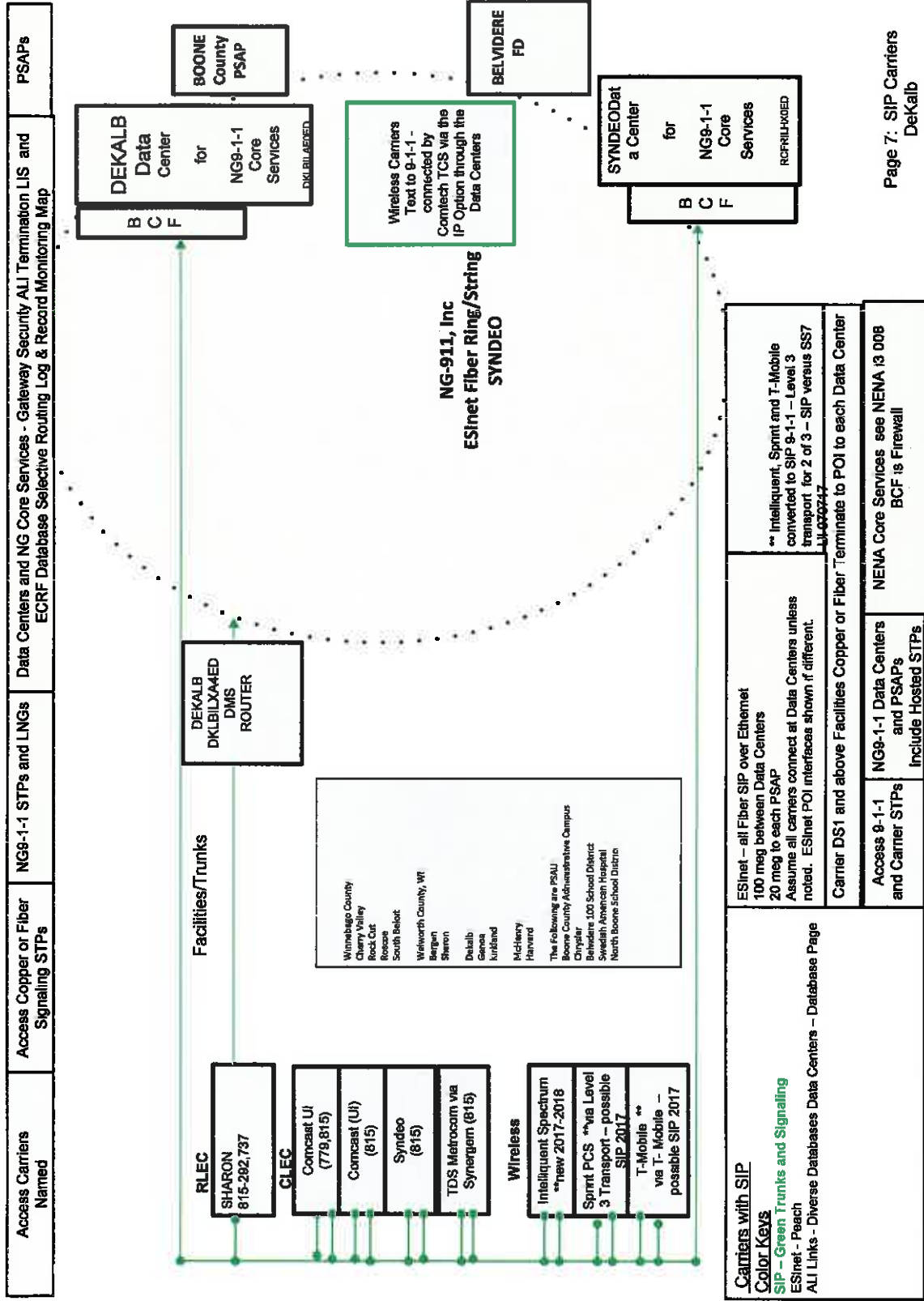
BOONE County IL NG9-1-1 Filing - NG-911, Inc. 911 SSP
Carrier Access - Direct SS7 - LATAs: 360, 364



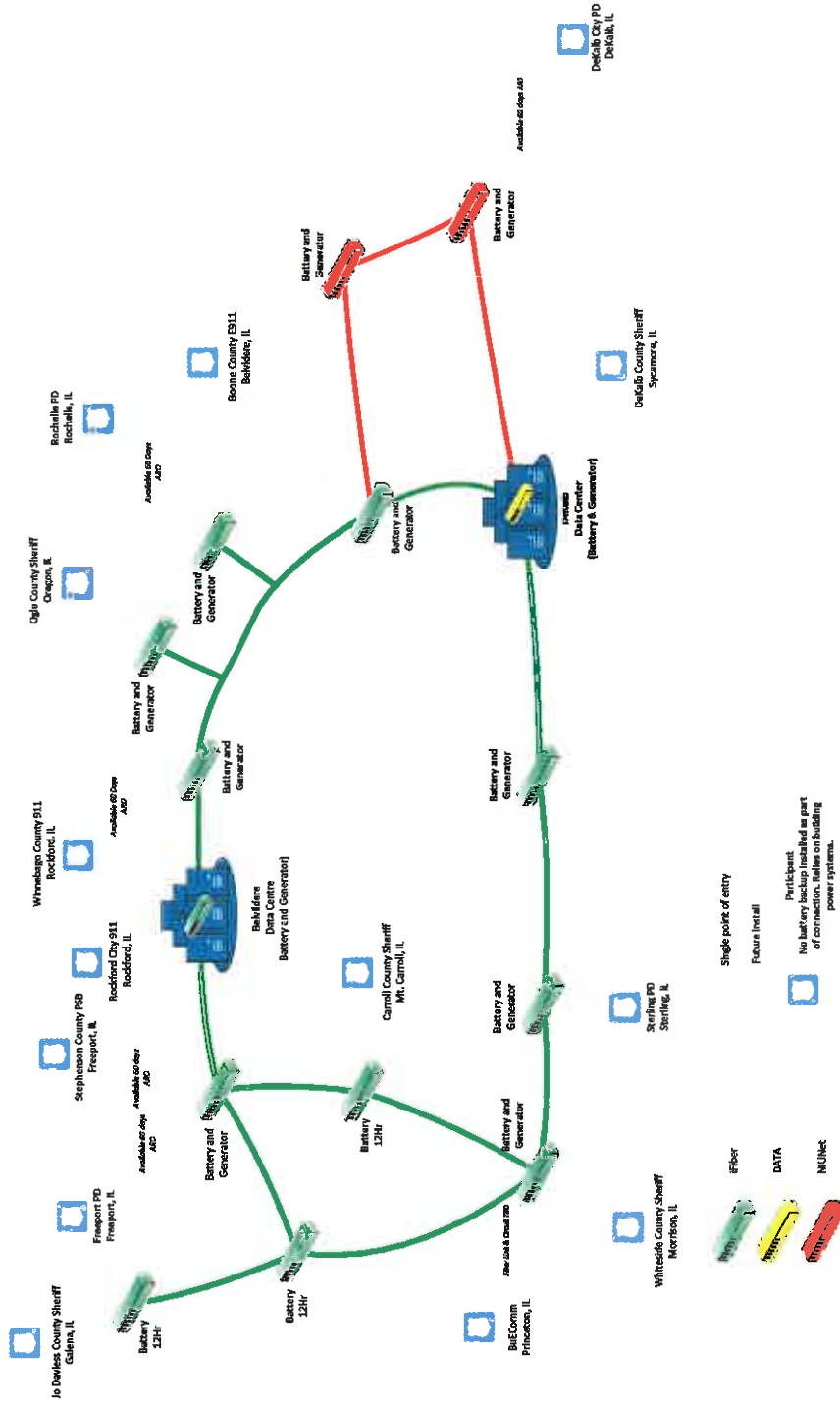
Boone County IL NG9-1-1 Filing - NG-911, Inc. 911 SSP
Carrier Access - Direct e2 - LATAs: 360, 364

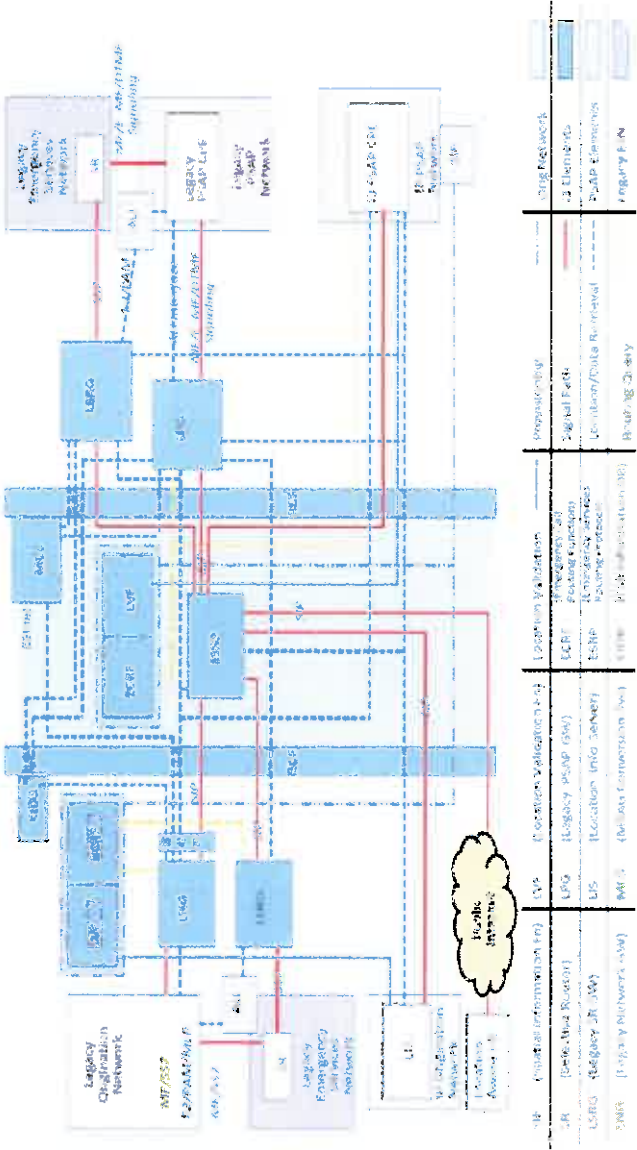


BOONE County IL NG9-1-1 Filing - NG-911, Inc. 911 SSP
Carrier Access - Direct SS7 - LATAs: 360, 364



NINGA-911 ELAN Network Topology & Power Protection Diagram





Boone County ETSB

Network Justification

February 6, 2020

Boone County will be implementing a NG 9-1-1 System and at the same time change SSP. The new SSP will be NG 9-1-1, Inc. Boone County ETSB is providing information on the network and the breakdown of NG9-1-1, Inc and Frontier charges for NG9-1-1. This new justification of the network charges is because the network design of NINGA has changed since NG9-1-1, Inc. has now contracted with a CLEC of Syndeo. Syndeo is a certified CLEC and doing business with the ICC today. Also, an additional fact is that McHenry County and Lee County have dropped from the NINGA Project. There are now 9 systems within NINGA- Boone County, Jo Daviess County, Stephenson County, Dekalb County, Bureau County, Winnebago County, Ogle County, Whiteside County, Carroll County.

The Boone County ETSB system is an IP-based and is fully compliant with all current NENA i3 standards; it is geographically diverse and has a redundant configuration and design to avoid any single points of failure (SPOF). The system architecture is designed and provisioned so that the failure of any one component will not result in a total system failure. All essential system components are protected through the use of redundant components to limit a SPOF.

The pricing below and on the spreadsheet does not include the charges for portable/remote positions since that is not part of the network today.

The new NG9-1-1 ISP charges to be paid are as follows:

	<u>Monthly</u>	<u>Yearly</u>
NG9-1-1 Inc	\$6,724.86	\$80,698.32
Frontier	\$1,715.56	\$20,586.72
AT&T	\$150.00	\$1,800.00
NG 9-1-1 ISP Billing Total	\$8,590.42	\$103,085.04

Current monthly network 9-1-1 fees for Boone County being billed to the ISP is \$6,555.18

Attached are the spreadsheet for each entity for the figures listed above.

Important Factors:

1. Network Drawings are attached for NINGA and Boone County.
2. Boone County will be the fourth system to go live on the NINGA system.
3. The system will provide NG 9-1-1 core services and texting. Texting implementation will be requested to go live within six (6) months of implementation of the new system. The additional NG9-1-1 features of pictures and videos will be implemented when available.
4. The network is a redundant network. There is an attached drawing of the NINGA footprint and the Boone County 9-1-1 System drawing.
5. NG-911, Inc. will work with all wireline, VoIP, and wireless carriers to design the network with an agreed upon meet point. Once texting is going to be implemented, they will work with the wireless carriers for that implementation.

Boone County
NG-911, Inc.State Pricing

State Submitted Charges	Rate	POSITIONS	Total
ESInet- Per Month			
Boone County Sheriff's Office	\$748.00	1	\$748.00
ESINET-Core/ Datacenters			
Boone County Sheriff	\$292.00	1	\$292.00
i3 Core ESRP/Selective Routing Per Position			
Boone County Sheriff's Office	\$364.00	4	\$1,456.00
Belvidere Fire Department	\$364.00	2	\$728.00
ECRF/LVF/DBMS/GIS/All/ Data Eco System -			\$3,500.86
Total State Charges			\$6,724.86

