

**System Name: Peoria/Stark Joint ETSB**  
**Case #22-C-297**  
**Date Filed: 2/14/22**

**Illinois State Police (ISP) Review of Consolidation**

(For consolidation of an unserved county with an existing 9-1-1 authority and the creation of a Joint ETSB or consolidation of either paper ETSBs or multiple ETSBs resulting in the creation of a Joint ETSB and consolidation of individual PSAPs)

Requirement	Information Included	Staff Comment
<b>Contact and 9-1-1 System information</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Jodi Noe 6913 W. Plank Rd. Peoria, IL 61604 jnoe@peoriacounty.org (309) 697-8524
<b>Verification</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Letter of Intent</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Plan Narrative (if incorporating an NG9-1-1 solution, narrative must include the following: )</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<p>Stark County is currently an unserved county that is consolidating with Peoria County pursuant to the requirements of the ETSA, Section 15.4a. Peoria and Stark Counties have entered into an IGA creating a joint ETSB known as the Peoria/Stark Joint Emergency Telephone System Board. Stark County will build a radio network to notify and communicate directly with all public safety agencies in Stark County.</p> <p>Currently there are two PSAPs in Peoria County. With this consolidation, a PSAP will be established in Stark County at 130 W. Jefferson St., Toulon, IL. The Peoria County PSAPs will handle all Peoria County 9-1-1 calls and the Stark County PSAP will handle all Stark County 9-1-1 calls.</p> <p>Wireless calls for Stark County are currently being handled by Marshall County. After a revised wireless plan is filed and consolidation is complete, all Stark County wireless calls will be answered at the Stark County PSAP. All Peoria wireless calls will continue to be answered by the Peoria County PSAPs.</p> <p>In addition to the consolidation, the joint ETSB is requesting to modify its 9-1-1 system by transitioning to the statewide Next Generation 9-1-</p>

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		1 ESInet provided by AT&T. The two PSAPs in Peoria County will transition to the AT&T ESInet first. This change is tentatively scheduled for June 12, 2022. The Stark County PSAP will not go live until construction, radio network and database is complete and tested. Once this occurs, the Stark County PSAP will go directly to the statewide AT&T ESInet.
Name of certified 9-1-1 system provider	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	AT&T
Explanation of the national standards, protocols and/or operating measures that will be followed	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	The 9-1-1 System will comply with all State and Federal requirements and is compliant with the National Emergency Number Association (NENA) Standards including the NENA i3 Standard for Next Generation – NENA-STA-010.3a-2021.
Explanation of measures taken to create a robust, reliable and diverse/redundant network and whether other 9-1-1 Authorities will be sharing the equipment	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	AT&T's ESInet solution is a combination of their IP network and Next Gen Core Services (NGCS) components that includes industry leading SLAs, management services and tools to help ensure that they provide the best possible service. The design is based on building redundant systems to avoid any single point of failure in the ESInet and the overall NG9-1-1 Network 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. In a Next Generation solution, a call will be answered through intelligent routing. Additionally, there will be more available positions to answer calls because all connected and tested PSAPs will be technically able to answer the call and will be able to dispatch or transfer the call to another PSAP. AT&T's ESInet provides six geographically diverse and fully redundant facilities to increase resiliency and survivability in natural and man-made disaster scenarios, with scalable capacity capable of supporting more than twice the 9-1-1 busy hour call for the entire United States. AT&T has documented business continuity and restoration plans, including complex disaster and evacuation contingencies. The 24x7 operations center employs an Incident Handling process modeled on FEMA's Incident Command System, with notifications built into the process.
Explanation of how the existing 9-1-1 traditional legacy wireline, wireless and VoIP network, along with the databases, will interface	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	The AT&T ESInet solution will interconnect to legacy selective routers as defined per NENA standards. AT&T provides redundant, public

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	and/or be transitioned into the NG9-1-1 system		<p>safety grade points of presence in each LATA for OSP ingress locations for Legacy Network Gateways.</p> <p>AT&amp;T will interconnect to Legacy Selective Routers to transfer and/or receive calls with Automatic Number Identification and Automatic Location Identification information to the State's NGCS via legacy means through the Legacy Selective Router Gateway. Interconnections will also allow legacy PSAPs served by legacy selective routers to serve as the abandonment route for PSAPs served by the AT&amp;T ESInet solution.</p> <p>Connectivity extends beyond the internal ESInet transport to external network and Originating Service Provider (OSP) interfaces. The ESInet supports both TDM and IP OSP ingress at geographically distributed Points of Interconnection (POI's). The ESInet supports standards-based protocol interfaces to external ESInets for call hand-off and call transfers. With pre-established connectivity capabilities, PSAPs on the ESInet have the ability to transfer calls to PSAPs on other ESInets or PSAPs that have not yet transitioned off legacy selective routers.</p>
	Explanation of how split exchanges will be handled	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Interconnection agreements will include the roles and responsibilities of the Parties related to the exchange of 9-1-1 traffic including but not limited to, split rate centers, tandem to tandem and IP connections.
	Explanation of how the databases will be maintained and how address errors will be corrected and updated on a continuing basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	AT&T will coordinate getting the OSP's records into the AT&T ESInet database. Validation errors are corrected by the 9-1-1 Authority within their own GIS database. Updates are submitted and processed on an on-going basis.
	Explanation of who will be responsible for updating and maintaining the data, at a minimum on a daily basis Monday through Friday	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	GIS data is submitted to the AT&T ESInet via a web-based spatial interface portal. The portal provides secure GIS file transfer. 9-1-1 Authorities can maintain their local database schema and configure database changes using attribute field mapping tools. The Spatial Interface validation engine logs errors and refers errors back to the originating 9-1-1 Authority in comprehensive reports that are retrieved in the 9-1-1 Enterprise Geospatial Database Management System.

**System Name: Peoria/Stark Joint ETSB**

**Case #22-C-297**

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	<p>Explanation of security measures placed on the IP 9-1-1 network and equipment to safeguard it from malicious attacks or threats to the system operation and what level of confidentiality will be placed on the system in order to keep unauthorized individuals from accessing it</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/></p>	<p>AT&amp;T's ESInet cyber security policies, standards, and guidelines are consistent with industry best practices as defined by International Organization for Standardization and Control Objectives for Information and related Technology. The AT&amp;T ESInet is a highly secure, privately managed IP network providing IP based call routing services for next generation 9-1-1 call delivery. All inbound and outbound traffic interactions are with pre-authorized entities, utilize agreed upon protocols and traverse controlled access points. Call processing and real-time data delivery are protected through both physical and logical controls.</p> <p>Sensitive data resides in trusted data centers that employ logical and physical access controls. All hardware and software elements deployed in a production environment go through stringent release management processes that incorporate thorough penetration scan testing. Corporate and development environments are separate from production and are not used in development or system test environments. Inter-zone traffic is restricted to only that of authorized personnel and the necessary protocols destinations used to support the management and applications of the ESInet with all other traffic implicitly denied by way of redundant and diverse Session Border Controllers and stateful firewalls.</p> <p>All buildings and Data Center access are monitored by 24x7 security and access control systems.</p>
<p><b>Financial Information</b></p>			
	<p>Name of ETSB(s) that are being dissolved with Total Reserves to be transferred to the Joint ETSB</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>There are no reserves for Stark County to be transferred as Stark County was previously unserved. Peoria County's ETSB is being eliminated and \$7,640,985.00 in reserves will be transferred to the joint ETSB.</p>
	<p>Number of answering positions, full-time and part-time dispatchers prior to and after consolidation</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>There are 21 answering positions prior to consolidation and 23 in the consolidated system.</p> <p>There are 33 full time dispatchers prior to the consolidation and 42 in the consolidated system.</p>

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			There is 1 part time dispatcher prior to consolidation and 5 in the consolidated system.
	Total network cost prior to and after consolidation	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Network cost prior to the consolidation was \$118,698.00. Network cost after consolidation will be \$232,088.00.
	Network Costs that the State will be responsible for paying	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$51,382.20
	Recurring and nonrecurring consolidation cost	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Recurring cost for consolidation is \$871,292.00. Nonrecurring cost for consolidation is \$2,424,969.57.
	All revenue sources for consolidated system	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$14,719,626.57
<b>Five Year Strategic Plan</b>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Communities Served</b>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Participating Agencies</b>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Adjacent Agencies</b>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Carrier Listing</b>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Attachments</b>			
	Ordinances	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	The Peoria County ETSB was eliminated upon the creation of the Peoria/Stark Joint ETSB.
	Intergovernmental agreement(s)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	An intergovernmental agreement between Peoria and Stark Counties creating the Joint ETSB was included in the plan.
	Contracts	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	AT&T's next generation network is provided through a contract with the State of Illinois.
	Back-up PSAP agreement	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	The Peoria City PSAP and Bartonville PSAP will continue to back each other up. The Bartonville PSAP will provide backup services to the Stark County PSAP.

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	Network Diagram	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
	Call-Handling and Aid outside jurisdictional boundaries agreements	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Test Plan</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	AT&T will jointly plan the interconnecting network with the OSP. Circuits will be ordered and implemented between the OSP and the ESInet POI. AT&T will cooperatively test and turn up all trunking arrangements with the OSP. Traffic migrations from the legacy to new AT&T infrastructure will follow.	

**Conclusions:**

Under 50 ILCS 750/15.4a (7), the corporate authorities of each county that has no 9-1-1 service as of January 1, 2016, shall provide enhanced 9-1-1 wireline and wireless enhanced 9-1-1 service for that county by either (i) entering into an intergovernmental agreement with an existing ETSB or to create a new joint ETSB, or (ii) entering into an intergovernmental agreement with the corporate authorities that have created an existing joint ETSB. As a result of this legislation, Stark County is required to consolidate and has chosen to consolidate with Peoria County. Peoria County eliminated its individual ETSB and entered into an IGA with Stark County to create a joint ETSB known as the Peoria/Stark Joint ETSB.

In addition to this consolidation, the Peoria/Stark Joint ETSB is requesting a networking change to transition to the statewide AT&T Next Generation 9-1-1 network to provide Next Generation 9-1-1 service. PSAPs located in Peoria County are tentatively scheduled for transition to the AT&T ESInet in June 2022. The Stark County PSAP will go live on the statewide AT&T ESInet once construction, radio network, and database work is complete.

The ISP has completed its review of the consolidation plan as prescribed by Section 1324.200(c) of Illinois Admin. Code Part 1324.200 – Consolidation of 9-1-1 Emergency Systems and modification of its plan as prescribed by Section 1325.205. The plan meets the requirements for consolidation and modification of a 9-1-1 system.

**Reviewed by: Stacy Ross**  
**Date: February 25, 2022**