

System Name: Effingham County ETSB

Case #: # 17-M-202

Date Filed: 10/11/17

Department Review of Plan Modification

Requirement	Information Included	Staff Comment
Contact and 9-1-1 System information	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Jodi Moomaw 201 E. Jefferson Effingham, IL 62401 (217) 821-4772 jmoomaw@effinghamil.com
Verification	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Letter of Intent	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Plan Narrative (if incorporating an NG9-1-1 solution, narrative must include the following:)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<p>Effingham County is requesting to change its 9-1-1 System provider from Illinois Consolidated Telephone Company (ICTC) to INdigital Telecom. The system will be provisioned as an Enhanced 9-1-1 System until such time that the Effingham County ETSB upgrades its call taking equipment and requests to convert to an NG9-1-1 system.</p> <p>The network will be provisioned as an IP base next generation network, but will deliver calls as legacy TDM to the Effingham County PSAPs until their call taking equipment is capable of receiving the calls using IP. There will be redundant Legacy Network Gateways (LNGs) and Emergency Services Routing Proxies (ESRPs) in Charleston and Mattoon. Carriers can deliver 9-1-1 calls to the ESRPs or LNGs by using SS& signaling or by using SIP trunks or IP based signaling.</p> <p>INdigital will coordinate the migration of the 9-1-1 call traffic from the Consolidated selective router to the two INdigital ESRPs for the delivery of 9-1-1 calls to Effingham County and the delivery of wireless 9-1-1 calls.</p>
Name of certified 9-1-1 system provider	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Communications Venture Corporation d/b/a INdigital Telecom

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	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 network will follow NENA i3 standards and protocols.
	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"/>	The network meets the FCC diversity and redundancy requirements for 9-1-1. The network is diverse and redundant between the ESRP's and the PSAPs.
	Explanation of how the existing 9-1-1 traditional legacy wireline, wireless and VoIP network, along with the databases, will interface and/or be transitioned into the NG9-1-1 system	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
	Explanation of how split exchanges will be handled	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Router to router trunks will be established between INdigital's ESRP's and selective routers owned by other 9-1-1 system providers for routing of split exchanges where necessary.
	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"/>	INdigital will provide 9-1-1 database administrative services to the ETSB at the time of conversion.
	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"/>	INdigital will assume all database administration for the Effingham County 9-1-1 system at the time of conversion.
	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	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	The IP network that will be used to deliver 9-1-1 calls to the PSAP is private. There is no outside access. Administrative and maintenance access to equipment is password protected.

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Financial Information			
	Annual recurring 9-1-1 network costs prior to modification	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$46,941.00
	Projected annual recurring 9-1-1 network costs after modification	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$79,519.20
	Installation cost of the project	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$10,469.12
	Anticipated annual revenues	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$691,750.00
Five Year Strategic Plan		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Communities Served		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Participating Agencies		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Adjacent Agencies		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Carrier Listing		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Attachments		If changes necessitate new versions	
	Ordinances	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
	Intergovernmental agreement(s)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
	Contracts	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	An Enhanced 9-1-1 Services Agreement between Effingham County 9-1-1 and Communications Venture Corporation d/b/a INdigital Telecom was included in the plan.
	Back-up PSAP agreement	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A

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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 type="checkbox"/> No <input checked="" type="checkbox"/>	No changes are being made to existing agreements.
Test Plan		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Call through testing will be done with each carrier to ensure that 9-1-1 calls are processing properly throughout the new network.

Conclusions:

Pursuant to the 83 Illinois Administrative Code Part 1325.200 g) 2), Effingham County has filed a modification requesting to change its 9-1-1 system provider from ICTC to INdigital. Effingham County has met the requirements under Section 1325.205 for the Modified Plan filing. The target completion date for the migration to the new network was shown as October 24, 2017, in the plan, but has since by moved to November 14, 2017.

Reviewed by: Stacy Ross

Date: 10/18/17