

System Name: Warren County Modification
Case # 20-M258
Date Filed: 3/26/20

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"/>	Ken Helms Warren County 500 S. Main Street Monmouth, IL 61462 Ken.helms@cityofmonmouth.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"/>	Warren County is requesting to change its 9-1-1 System provider from Frontier Communications to INdigital Telecom. The system will also be provisioned as an IP based NG911 System. Warren County is also updating its 9-1-1 call taking equipment to a hosted Vesta system that tis capable of receiving 9-1-1 calls using IP.
Name of certified 9-1-1 system provider	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	INdigital Telecom
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 Warren County NG9-1-1 System will comply with all State and Federal requirements the new network be compliant with the NENA I3 standards.
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"/>	There will be redundant Legacy Network Gateways (LNGs) and redundant Internet Protocol Selective Routers (IPSRs). One router is located in Geneseo, IL and the other is located in Cambridge, IL. Carriers can deliver 9-1-1 calls to the IPSRs or LNG by using SS7 signaling or by using SIP trunk IP based signaling.
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"/>	Router to router trunks will be established between INdigital's IPSRs and selective routers owned by other 9-1-1 System Providers for routing split exchanges where necessary. INdigital will also administer the 9-1-1 database and MSAG for Warren County subscribers.

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	and/or be transitioned into the NG9-1-1 system		<p>INdigital will request TN loads and updates from the carriers prior to the cutover and will assume all 9-1-1 System Provider administrative responsibilities for the database at the time of conversion.</p> <p>INdigital will coordinate the ordering and installation of trunks to the two new LNGs or IPSRs. INdigital will work with the carriers that are currently connected to the Frontier selective router for delivery of 9-1-1 calls to Warren County. Traffic will be migrated over, carrier by carrier, to the new LNGs or IPSRs. INdigital will mirror current call transfer conditions at the time of conversion and will implement 9-1-1 call transfer will ANI between neighboring counties of Warren County where possible.</p>
	Explanation of how split exchanges will be handled	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Calls will be routed to the appropriate PSAP just as they are today. There will be no changes to how split exchanges are currently routed.
	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"/>	Warren County will also be transferring their 9-1-1 database from Frontier Communication to INdigital Telecom. INdigital will work with the carriers and Warren County to keep the data as up to date and in compliance with Illinois State Law on an ongoing 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"/>	INdigital will also provide 9-1-1 database processing services.
	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.
Financial Information			
	Annual recurring 9-1-1 network costs prior to modification	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$30,108.00

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	Projected annual recurring 9-1-1 network costs after modification	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$25,740.00
	Installation cost of the project	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$7,167.88
	Anticipated annual revenues	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$324,000.00
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 type="checkbox"/> No <input checked="" type="checkbox"/>	Not needed.
	Intergovernmental agreement(s)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Not needed
	Contracts	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
	Back-up PSAP agreement	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
	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"/>	

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Test Plan	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Test calls will be made for each carrier either prior to or during the cutover to ensure calls are routing correctly and that the proper ANI is being displayed at the PSAP.
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Conclusions: Warren County's plan modification to change its 911 system provider and implement a Next Generation 9-1-1 System meets the technical requirements pursuant to the 83 Ill. Adm. Code Part 1325.

Reviewed by: Marci Elliott

Date: 4/15/18