

System Name: Macoupin County ETSB
Case # 21-M-295
Date Filed: 12/7/21

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"/>	Aaron Bishop 215 S. East St. Suite #2 Carlinville, IL 62626 217-854-5459 (Office) 217-565-0911 (Cell) Aaron.bishop@macoupincountyil.gov
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"/>	The Macoupin County ETSB is requesting to change its 9-1-1 System Provider from Frontier Communications to INdigital Telecom (INdigital). The system will be provisioned as an IP based NG9-1-1 system.
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 system will comply with all State and Federal requirements and be compliant with the National Emergency Number Association 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"/>	The network will be provisioned as an IP based, Next Generation and will deliver calls using IP technology to the PSAP. Redundant Legacy Network Gateways (LNGs) and Internet Protocol Selective Routers (ISPRs) will handle all call routing for the PSAP. One set of call routing elements is located in the Consolidated Communications Mattoon, IL Central Office and the other is located in the Shawnee Communications Central Office in Rosiclare, IL.
Explanation of how the existing 9-1-1 traditional legacy wireline, wireless and VoIP network, along	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	INdigital will coordinate the ordering and installation of trunks to the new LNGs or IPSRs. INdigital will work with the carriers that are currently connected to the Frontier selective router for delivery of

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	with the databases, will interface and/or be transitioned into the NG9-1-1 system		wireline and wireless 9-1-1 calls to Macoupin 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 with ANI/ALI between neighboring counties of Macoupin County, where possible, post conversion.
	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 IPSRs 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 request telephone number loads and updates from the carriers prior to the cutover and assume all 9-1-1 SSP administrative responsibilities for the database at the time of conversion. INdigital will work with the carriers and Macoupin County to keep the database current 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 administer the 9-1-1 database and MSAG for the subscribers that reside in the service territory of the 9-1-1 system.
	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"/>	All access to the system is password protected. The IP based call delivery network is private with no outside access.
Financial Information			
	Annual recurring 9-1-1 network costs prior to modification	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$119,302.80
	Projected annual recurring 9-1-1 network costs after modification	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$123,049.20

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	Installation cost of the project	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$26,145.45
	Anticipated annual revenues	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$876,160.65
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"/>	
	Intergovernmental agreement(s)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
	Contracts	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	An Enhanced 9-1-1 Services Agreement between Macoupin County and INdigital Telecom was included in the plan.
	Back-up PSAP agreement	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	West Central Joint Dispatch will continue to provide backup services to Macoupin County.
	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"/>	
Test Plan		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

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Conclusions:

Pursuant to the 83 Illinois Administrative Code Part 1325.200 g) 2), the Macoupin County ETSB has filed a modification requesting to change its 9-1-1 system provider to INdigital Telecom and implement an IP based NG9-1-1 system. The Department has completed its review of the modified plan and has determined that it meets the requirements for a modified plan filing under Part 1325.205.

Reviewed by: Stacy Ross

Date: 12/21/21