

**System Name: Cumberland County**  
**Case # 18-M-225**  
**Date Filed: 8/13/18**

**Department Review of Plan Modification**

Requirement	Information Included	Staff Comment
<b>Contact and 9-1-1 System information</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Donna Olmstead 166 Courthouse Square Toledo, IL 62468 (217) 849-2065 (Office) (217) 259-4564 (cell) Cumbco911@cumberlandco.org
<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>The Cumberland County ETSB is changing its 9-1-1 System Provider from Frontier to INdigital Telecom. The system will be provisioned as an IP based NG911 System. They will also be upgrading the 91-1-call taking equipment to a hosted Solacom system that is capable of receiving 9-1-1 calls using IP.</p> <p>The network will be provisioned as an IP based, next generation network and will deliver calls using IP technology to the Cumberland County PSAP. There will be redundant Legacy Network Gateways (LNGs) and Internet Protocol Selective Routers (IPSRs) in Charleston and Mattoon. Carriers can deliver 9-1-1 calls to the IPSRs or LNGs by using SS7 signaling or by using SIP trunk, IP based signaling.</p> <p>INdigital will work with carriers that are currently connected to the Frontier selective router for the delivery of wireline and wireless 9-1-1 calls to Cumberland County.</p>
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	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	The network will follow NENA i3 standards and protocols.

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	operating measures that will be followed		
	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 ISPRs and the PSAP.
	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 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 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 administer the 9-1-1 database and MSAG for Cumberland County subscribers 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 Cumberland 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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<b>Financial Information</b>			
	Annual recurring 9-1-1 network costs prior to modification	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$ 35,585.28
	Projected annual recurring 9-1-1 network costs after modification	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$ 52,589.28
	Installation cost of the project	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$ 6,148.00
	Anticipated annual revenues	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$130,000.00
<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>		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"/>	
	Contracts	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	An Enhanced 9-1-1 Services Agreement between Cumberland County and INdigital Telecom was included in the plan.
	Back-up PSAP agreement	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

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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.
<b>Test Plan</b>		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), Cumberland County has filed a modification requesting to change its 9-1-1 system provider from Frontier to INdigital. Cumberland County has met the requirements under Section 1325.205 for the Modified Plan filing. The target completion date in the plan stated August 8, 2018, however that date has past. INdigital verified a new target date of September 12, 2018.

One item of note is that the estimated network costs increase by \$17,004.00 from \$\$35,585 to \$52,589. The Administrator may want to review the final costs for approval.

**Reviewed by: Marci Elliott**

**Date: 08/14/18**