

Docket Number: TC14-002
Subject Matter: First Data Request
Request to: Intrado Communications Inc.
Request from: South Dakota Public Utilities Commission Staff
Date of Request: March 11, 2014
Responses Due: April 9, 2014; REVISED on September 25, 2014

1-1) Please provide a detailed description on how the Applicant provides 9-1-1 emergency services to its customers. More specifically, please provide additional information on the following: 1) a diagram of the facilities that will be used along the entire call path, 2) whether those facilities are owned or leased, 3) how the 9-1-1 calls will be routed on the network, and 4) who is responsible for ensuring facilities are maintained along the entire call path.

1) A diagram of Intrado's facilities it will use along the call path is attached.

2) Intrado intends to deploy its A9-1-1 System, which is an emergency network that provides advanced 9-1-1 ("A9-1-1") capabilities. The facilities used along the entire call path are leased by Intrado. Provisioning and maintenance of the facilities to reach Intrado's A9-1-1 gateways are the responsibility of the respective LEC or wireless provider. Connectivity to the Public Safety Answering Point (PSAP) is provided by Intrado over leased facilities from another LEC.

3) For wireline callers, calls are routed based upon the stored address associated with the telephone number (ANI) received by the Intrado A9-1-1 system during call set up and the PSAP pre-determined to provide emergency response based on the location of the caller. For wireless and VoIP callers, call routing is determined by the pseudo ANI (pANI) received by the Intrado A9-1-1 gateway and the PSAP pre-determined to provide emergency response. Similar to legacy wireline E9-1-1 operation, determination of which PSAP is to receive the call is dependent upon validation of the address stored with each telephone number or pANI record to the MSAG.

4) The underlying service providers from whom Intrado leases capacity are responsible for ensuring facilities are maintained along the entire call path. These carriers are responsible for monitoring and maintaining their facilities to the Intrado Point of Interconnection (POI), which is typically at the Intrado A9-1-1 gateway. Intrado monitors facilities from the Intrado POI to the PSAP.

1-2) Please explain in detail how the Applicant interconnects with local exchange carriers.

Local exchange carriers will interconnect with Intrado's A9-1-1 network over one or more DS(1) facilities that terminate on two geographically diverse A9-1-1 gateways. Each facility will be equipped with a minimum of two DS(0) voice circuits.

1-3) Besides providing 9-1-1 emergency services, what "other local exchange telecommunications services" does the Applicant intend to, or plan to, provide under this Certificate of Authority, if approved?

Applicant will provide local exchange services to government and quasi-government Public Safety Answering Points ("PSAPs"). Intrado Communications' retail 9-1-1 service to PSAPS permits 9-1-1 call takers to receive emergency calls placed by the telco's end users who dial "9-1-1" and emergency

communications originated by personal communications devices. This service is a replacement for the 9-1-1 service currently provided by the ILEC. Intrado Communications provides a complete end-to-end service for the PSAP, which includes services such as selective routing and the databases used for the delivery of the 9-1-1 call with the appropriate location information.

Intrado Communications will not be replacing the 10-digit administrative lines utilized by a PSAP. These lines will remain with their incumbent provider.

In addition, Intrado Communications' services include the ability for a PSAP to transfer a call to another PSAP located in a different local exchange that is served from a different selective router ("SR"). As a result, Intrado Communications is seeking a COA to provide intrastate interexchange services.

1-4) If the Applicant decides to provide interexchange telecommunications service in South Dakota, would the Applicant file an application for a Certificate of Authority for interexchange service pursuant to 20:10:21:02? Or is it the Applicant's intent to receive authority to provide interexchange telecommunications service under this application?

Intrado Communications' services include the ability for a PSAP to transfer a call to another PSAP located in a different local exchange that is served from a different selective router. As a result, Intrado Communications has requested a COA to provide intrastate interexchange services.