ASOTIN TELEPHONE COMPANY
Washington

9-1-1 SERVICE

NEXT GENERATION 911 (NG 911) SERVICE (N)

A. General

NG 911 is an IP-based system comprised of managed IP-based networks (ESInets), functional elements (applications), and databases that replicate traditional E9-1-1 features and functions and provide additional capabilities. NG9-1-1 is designed to provide access to emergency services from all connected communications sources and provide multimedia data capabilities for PSAPs and other emergency service organizations.

Definitions, Conditions and Liability terms listed on tariff sheets 4 through 20 apply to NG 911 Service.

B. Definitions

1. **ALI**
Automatic location identification" or "ALI" means the system capability to identify automatically the geographical location of the electronic device being used by the caller to summon assistance and to provide that location information to an appropriate device located at any public safety answering point for the purpose of sending emergency assistance.

2. **ALI Database**
A derivative, verified set of records which contain at a minimum a telephone number and location identification for each unique building or publicly used facility within a defined geographic area in Washington.

3. **ANI**
The system capability to identify automatically the calling telephone number and to provide a display of that number at any public safety answering point.

4. **Customer**
The person, firm, state/city/county authority or corporation that orders service from the Company or its Vendors and is responsible for the payment of charges and compliance with the terms and conditions of this tariff.

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NEXT GENERATION 911 (NG 911) SERVICE - continued (N)

B. Definitions – continued

5. ESInet
An Emergency Service IP Network (ESInet) used for emergency services communications. An ESInet provides the IP transport infrastructure and functional processes necessary for providing Next Generation 9-1-1 network services.

6 Geographic Information Systems (GIS)
A GIS integrates hardware, software and data for capturing, managing, analyzing, and displaying all forms of geographically referenced information or location information.

7 Individual Case Basis (ICB) Rates and Charges
A service arrangement made where Customer specific requirements involve special facilities, equipment, construction, design and engineering, and/or power or other utility requirements, unusual site conditions, deviations from the Technical Specifications, unique services or components of service not specified in this Tariff, and other unique or special circumstances, all as determined by the Company. Rates and charges for ICBs will reflect the costs incurred by the Company and may include, but are not limited to, monthly rates, nonrecurring charges, or combinations thereof.

8. Interconnected Voice over Internet Protocol Service Line
An interconnected voice over internet protocol service that offers an active telephone number or successor dialing protocol assigned by a voice over internet protocol provider to a voice over internet protocol service customer that has inbound and outbound calling capability, which can directly access a public safety answering point when such a voice over internet protocol service customer has a place of primary use in the state.

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NEXT GENERATION 911 (NG 911) SERVICE - continued (N)

B. Definitions – continued

9. IP 911 Routing
An interface between two networks that selects the best route to complete the call over multiple networks between the originating network and the final destination. Such routing provides network management capabilities that forwards data packets from one network to another and selects the most expedient route based on traffic load, line speeds, costs and network failures to complete the call. The company may provide routing through Session Initiation Protocol (SIP/PIDF-lo) trunking.

10. IP Based 911 Service Provider
The provider of a standards-based digital (Internet Protocol) secure redundant managed 9-1-1 transport network used for the routing and delivery of 9-1-1 connectivity with location information from a party requesting emergency services to a PSAP [public safety answering point]. An IP-based 9-1-1 network can interface with other networks and transport other emergency services applications. An IP-based 9-1-1 network may be constructed from a mix of dedicated and shared facilities or networks, and may be interconnected at local, regional, state, federal, national, and international levels to form an IP-based inter-network or intra-network of 9-1-1 connectivity."

11. IP 911 Transport
A digital trunk or IP Network that carries emergency calls from the Company's Vendor Network to the state emergency management's IP 911 ESINet point of interconnects.

12. Next Generation 9-1-1
NG 9-1-1 is a secure system comprised of hardware software, data and operational policies and procedures with standardized interfaces to process all types of emergency calls, acquire and integrate additional data, and deliver the calls/messages and data to the appropriate emergency entitie(s).

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NEXT GENERATION 911 (NG 911) SERVICE - continued (N)

B. Definitions – continued

13. Next Generation 9-1-1 (NG9-1-1) Database Management System (DBMS)
NG9-1-1 DBMS is Company's next-generation solution that provides the function of legacy ALI DBMS in a transitional Next Generation 9-1-1 (NG9-1-1) system, including Geographic Information Systems GIS.

14. Presence Information Data Format Location Object (PIDF-lo)
An HTTP, XML tag format that includes a location object. PIDF-LO takes those location objects and sends them natively with a 911 call across the internet, allowing for instant provisioning with hyper-targeted accuracy, as a caller moves about a campus or high-rise environment. By using a 911 routing technology built on PIDF-LO, businesses are able to send up-to-the-minute accurate location information to the correct PSAP. This is an ideal emergency solution particularly for campus, high-rise, or highly mobile workers, as PIDF-LO will dynamically check for location information vs. the one-time static location of a traditional provisioning process.

15. Session Initiation Protocol (SIP)
A communications protocol used to create, manage, and terminate sessions (calls) in an IP based network.

16. Voice over Internet Protocol (VoIP)
A service that: (1) enables real-time, two-way voice communications; (2) requires a broadband connection from the user's location; (3) requires Internet-protocol-compatible customer premises equipment (CPE); and (4) permits users generally to receive calls that originate on the public switched telephone network and to terminate calls to the public switched telephone network.

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BY AUTH. OR ORDER OF WASH. UTILITIES & TRANSPORTATION COMM. DOCKET NO.UT-190973

ISSUED: November 20, 2019
EFFECTIVE: December 20, 2019

BY: Joel P. Dohmeier
Joel Dohmeier

TITLE: Vice President

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C **RATE TERMS & CONDITIONS** (N)

When the Company converts to an IP based NG 9-1-1 solution, the charges will be replaced with the rates listed below:

The following cost categories are related to the provisioning of NG 9-1-1 and will be billed to the applicable Customer on an ICB.

1. Charges for conversion, network installation/setup, and direct cut-over support incurred by the IP-based 9-1-1 service provider and/or its vendors. (transport and routing)

2. Costs related to testing the network prior to cut-over and the portion of the network not cut-over during the months of conversion. (transport and routing)

3. Expenses paid by the IP-based 9-1-1 service provider to vendors for Emergency Services Routing Proxy, Commodity Internet, Loop, Port, Transport, Routers, and Collocation service. (transport and routing)

4. Charges for Port, Transport, and Router services that the IP-based 9-1-1 service provider supplies from its own network. (transport and routing)

5. Selective Routing and ALI costs. (routing)

6. Circuits and Facilities costs. (transport)

7. Geographic Information Systems. (database)

8. Any additional costs that an IP-based 9-1-1 service provider believes should be included because of changes in technologies. (transport and delivery)

(N)

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