



Christopher E. Bean
Manager-Government Affairs

6 Bowdoin Square
10th Floor
Boston, MA 02114
christopher.e.bean@verizon.com
O 857-415-5161

January 28, 2019

Ms. Luly Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, Rhode Island 02888

Dear Ms. Massaro:

We are filing, herewith, for effect February 28, 2019, tariff material consisting of:

PUC RI No. 20

Section	Revision of Pages	Original of Pages	Supplemental Pages
2	11	N/A	N/A
6	N/A	N/A	7, 16, 23 & 24

With this filing, Verizon Rhode Island (“Verizon RI”) proposes to add additional language to restrict Ground Start/Reverse Battery to where facilities exist. Verizon will no longer be able to continue to support Ground Start or Reverse Battery Signaling over fiber. Ground Start and Reverse Battery will only be supported where facilities exist and permit, however the majority of services will maintain similar features and functionality if the Ground Start provisioning is translated to Loop Start.

If you have any questions regarding this filing, please contact me at 857-415-5161.

Respectfully submitted,


Christopher Bean
Attachment

Verizon New England Inc.

2. General Regulations
2.5 Responsibility of the Customer

2.5.5 Availability for Testing	
A.	The services provided under this tariff shall be available to the Telephone Company at times mutually agreed upon in order to permit the Telephone Company to make tests and adjustments appropriate for maintaining the services in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. No credit will be allowed for any interruptions involved during such tests and adjustments.

2.5.6 Coordination with Respect to Network Contingencies	
A.	The customer shall, in cooperation with the Telephone Company, coordinate in planning the actions to be taken to maintain maximum network capability following natural or man made disasters which affect telecommunications services.

2.5.7 Balance, Current and Noise	
A.	All signals for transmission over the services provided under this tariff shall be delivered by the customer balanced to ground except for ground start*, duplex (DX) and McCulloh Loop (Alarm System) type signaling and dc telegraph transmission at speeds of 75 baud or less.
B.	Signals applied to a metallic facility shall conform to the limitations set forth in technical reference PUB AS No. 1. In the case of application of dc telegraph signaling systems, the customer shall be responsible, at its expense, for the provision of current limiting devices to protect the Telephone Company facilities from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excessive noise.

(N)

2.5.8 Design of Customer Services	
A.	Subject to the provisions of Section 2.4.1, the customer shall be solely responsible, at its own expense for the overall design of its services and for any redesigning or rearrangement of its services which may be required because of changes in facilities, operations or procedures of the Telephone Company, minimum protection criteria or operating or maintenance characteristics of the facilities.

2.5.9 References to the Telephone Company	
A.	The customer may advise end users that certain services are provided by the Telephone Company in connection with the service the customer furnishes to end users; however, the customer shall not represent that the Telephone Company jointly participates in the customer's services.

* Ground start may not be provided over fiber facilities and is only available where suitable facilities exist.

(N)
 (N)

6. Switched Access Service
6.2 Functional Components of Service

6.2.1 Local Transport	
F.	<p>Interface Groups are provided for terminating the local transport at the customer's premises. Each interface group provides a specified premises interface (e.g. two wire, four wire, DS1, DS3, etc.). Where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may, at the option of the customer, be provided with optional features described herein.</p> <p>1. As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer's premises, the need for signaling conversions or two wire to four wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer's premises are digital, then Telephone Company channel bank equipment must be placed at the customer's premises in order to provide the voice frequency interface ordered by the customer.</p> <p>2. Only certain premises interfaces are available at the customer's premises. The premises interfaces associated with the interface groups may vary among feature groups. The various premises interfaces which are available with the interface groups, and the feature groups with which they may be used are shown in Exhibits 6.2.1-1 through 6.2.1-5.</p> <p>a. Transmission Specifications— Interface Group 1 is provided with Type C transmission specification. Interface Groups 2, 6, 7 and 9 are provided with Type A or B transmission specifications depending on the feature group and whether the access service is routed directly or through and access tandem. All interface groups are provided with data transmission parameters. Compatibility and interface requirements for use of switched access Interface Group 9 are in accordance with the guidelines set forth in CB119/TA34.</p> <p>b. Signaling— Interface Groups 1 and 2 are provided with loop supervisory signaling. When the interface is associated with FGB or FGD, such signaling, except for two way calling (which is E&M Signaling), will be reverse battery* signaling. Interface Groups 6, 7 and 9 are provided with individual transmission path bit stream supervisory signaling.</p>

(S)

* Reverse battery may not be provided over fiber facilities and is only available where suitable facilities exist. (S)
(S)

6. Switched Access Service
6.2 Functional Components of Service

6.2.2 Local Switching	
A.	Local switching provides the functions necessary to complete the transmission of switched access communications to and from end users served by the local end office. The functions included are listed as follows. <ol style="list-style-type: none"> 1. Local End Office Switching — The common switching functions associated with the various switched access feature groups. The rates are further differentiated based upon the directionality of the traffic carried over the Switched Access Service. 2. Transport Termination — The line or trunk side arrangements which terminate the local transport facilities at end offices. 3. Intercept — The termination of a call at a Telephone Company intercept operator or recording. 4. Line Termination — The termination for the end user lines (common lines and WALs) terminating in the end office.
B.	WAL service terminations are differentiated by line side vs. trunk side terminations. The standard WAL service arrangement is available with a line side termination. <ol style="list-style-type: none"> 1. There are various types of originating, terminating and two way line side terminations depending on the type of signaling associated with the WAL service (i.e., loop start or ground start**). Line side terminations are available with either dial pulse or dual tone multifrequency address signaling. 2. There are also various types of originating only or terminating only WAL service trunk side terminations that are available in lieu of standard line side terminations. Trunk side terminations are provided only in association with certain WAL service termination optional features.
C.	The local switching rate category includes usage rates and chargeable and non chargeable optional features. Application of these rates is set forth in Section 6.6.
D.	The Dedicated End Office Trunk Port provides for the termination of Direct Trunked Transport trunks at an end office. The Dedicated End Office Trunk Port rate, set forth in Tariff FCC No. 11, Section 31.6.2(B)(1), applies per activated trunk for all trunkside services terminating at either analog or digital end offices.*
E.	The Shared End Office Trunk Port provides for the termination of Tandem Switched Transport and/or FGA or CSL BSA access minutes at an end office. Access minutes for all Switched Access Service subject to the Shared End Office Trunk Port will be multiplied by the applicable originating or terminating per-minute rate set forth in Tariff FCC No. 11, Section 31.6.2(A).
F.	Composite Terminating End Office Charge (CTEOC) — The composite terminating end office charge applies to all terminating access minutes of use.

(S)

(T)

* This rate applies to the portion associated with originating usage.

** Ground start may not be provided over fiber facilities and is only available where suitable facilities exist.

(S)

(S)

Verizon New England Inc.

6. Switched Access Service
6.2 Functional Components of Service

6.2.5 Local Switching WAL Service Terminations Optional Features

- A.** The following are available only in end offices designated as WSOs.
- 1. Answer Supervision** provides for equipment at the end user premises that indicates that the called end user has answered, when such indication is provided by the interexchange carrier. When Answer Supervision is provided with two wire WAL service, Reverse Battery* type Supervisory Signaling is also provided. This option is available with originating only two wire WAL service for use with FGB and FGD. (S)
- 2. E&M Supervisory Signaling** provides for E&M Type 1, Type 2 or Type 3 Supervisory Signaling in lieu of Loop Start or Ground Start* Supervisory Signaling. When E&M Supervisory Signaling is provided, Answer Supervision is also provided for originating traffic. This option is available with four wire originating, terminating and two way only WATS Access Line service, for use with FGB and FGD. (S)

* Ground Start and Reverse Battery may not be provided over fiber facilities and are only available where suitable facilities exist. (S)
(S)

Verizon New England Inc.

6. Switched Access Service
6.2 Functional Components of Service

6.2.5 Local Switching WAL Service Terminations Optional Features	
Exhibit 6.2.5-1 Field Identifiers (FIDs) for Optional Features—Local Switching WAL Service Terminations	
Optional Feature	FID
2W Originating Only Loop Start/DP (line side)	NC++AN
2W Originating Only Loop Start/DTMF (line side)	NC++AR
2W Originating Only Ground Start*/DP (line side)	NC++AP (S)
2W Originating Only Ground Start*/DTMF (line side)	NC++AS (S)
2W Terminating Only Loop Start (line side)	NC++AU
2W Terminating Only Ground Start* (line side)	NC++AV (S)
2W Two Way Loop Start/DP (line side)	NC++AA
2W Two Way Loop Start/DTMF (line side)	NC++AF
2W Two Way Ground Start/DP* (line side)	NC++AE (S)
2W Two Way Ground Start/DTMF* (line side)	NC++AG (S)
4W Originating Only Loop Start/DP (line side)	NC++BN
4W Originating Only Ground Start*/DP (line side)	NC++BP (S)
4W Originating Only Loop Start/DTMF (line side)	NC++BR
4W Originating Only Ground Start*/DTMF (line side)	NC++BS (S)
4W Terminating Only Loop Start (line side)	NC++BU
4W Terminating Only Ground Start* (line side)	NC++BV (S)
4W Two Way Loop Start/DP (line side)	NC++GA
4W Two Way Loop Start/DTMF (line side)	NC++GF
4W Two Way Ground Start/DP*(line side)	NC++GE (S)
4W Two Way Ground Start/DTMF* (line side)	NC++GG (S)
2W Originating Only Answer Supervision (RV)/DP (trunk side)	NC++AY
2W Originating Only Answer Supervision (RV)/DTMF (trunk side)	NC++AM

* Ground start and Reverse battery may not be provided over fiber facilities and are only available where suitable facilities exist. (S)
(S)