



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
1	6 & 15	N/A
6	1, 4, 5, 7, 15, 16, 18, 19, 20, 23, 24, 25, 28, 29, 30, 32, 33, 34, 38, 46 & 47	N/A
16	N/A	1

With this filing, Verizon Rhode Island (“Verizon RI”) proposes to withdraw the following Inter-State and Intra-State services in wire centers where Verizon intends to migrate its network to all fiber and retire its copper network.

- WATS Access Line (WAL)
- Feature Group A (FGA)

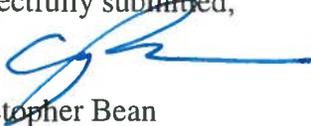
Verizon is working with the customers to find alternative solutions. Listed below are some of the alternative services:

- Fiber-based voice services
- Fios Internet Service
- Switched Ethernet Service
- Private Internet Protocol Service
- DS1 Service
- Machine-to-Machine Services through Verizon or Verizon Partner Program
- ValuFlex

Verizon representatives will continue to work with each of the customers impacted to determine the best solution to meet their needs prior to service withdrawal. Verizon plans to notify the customers ninety, sixty and then again thirty days prior to the withdrawal date via direct mail.

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

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Christopher Bean', is written over the typed name.

Christopher Bean
Attachment

Verizon New England Inc.

1. Tariff Information
1.3 Tariff Terminology

1.3.1 Abbreviations	
SWC	Serving Wire Center
TES	Telephone Exchange Service(s)
TLP	Transmission Level Point
TSPS	Traffic Service Position System
USOC	Uniform Service Order Code
VG	Voice Grade
V&H	Vertical & Horizontal
WA	Wideband Analog
WATS*	Wide Area Telecommunications Service(s)
WD	Wideband Digital

(N)

1.3.2 Definitions	
800 Database Access Query —A database lookup which returns a valid identification code.	
800 Service Management System (800 SMS) —The main operations support system used to create and update 800 service records in the national 800 database.	
800 Service Provider —A telecommunications company, including exchange carriers and ICs or resellers of exchange or interexchange services, that offers 800 service to end users.	
Access Code —A uniform five or seven digit code assigned by the Telephone Company to an individual customer. The five digit code has the form 10XXX and the seven digit code has the form 950-XXXX.	
Access Minutes —That usage of exchange facilities in intrastate service for the purpose of calculating chargeable usage. On the originating end of an intrastate call, usage is measured from the time the originating end user's call is delivered by the Telephone Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an intrastate call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both originating and terminating ends of an intrastate call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating exchanges, as applicable.	

* Please refer to Section 16 for limitations on the availability of WATS Access Line (WAL).

(N)

Verizon New England Inc.

1. Tariff Information
1.3 Tariff Terminology

1.3.2	Definitions
	Two Wire to Four Wire Conversion —An arrangement which converts a four wire transmission path to a two wire transmission path to allow a four wire facility to terminate in a two wire entity (e.g., a central office switch).
	Uniform Service Order Code —A three or five character alphabetic, numeric or an alphanumeric code that identifies a specific item of service or equipment. USOCs are used in the Telephone Company billing system to generate recurring rates and NRCs.
	V&H Coordinates Method —A method of computing airline miles between two points by utilizing an established formula which is based on the vertical and horizontal coordinates of the two points.
	WATS* Serving Office —A Telephone Company designated serving wire center where switching, screening and/or recording functions are performed in connection with the closed end of WATS* or WATS* type services.
	Wire Center —A building in which one or more central offices, used for the provision of telephone Exchange services are located.

(N)
(N)

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL).

(N)

Verizon New England Inc.

6. Switched Access Service
6.1 Description

Switched Access service is billed at the rates and charges set forth in Section 30.6.

6.1.1 General	
A.	Switched access service, which is available to customers for their use in originating and terminating communications, provides a two point electrical communications path between a customer's premises and an end user's premises. It provides for the use of common terminating, switching and trunking facilities, and both common subscriber plant and unshared subscriber plant, (i.e., WALs*) of the Telephone Company. Switched access service provides for the ability to originate calls from an end user's premises to a customer's premises, and to terminate calls from a customer's premises to an end user's premises within the LATA.

(N)

6.1.2 Service Structure	
A.	Switched access service is provided in two service arrangements called, FGB, and FGD, which are differentiated by their technical characteristics, (e.g., line side vs. trunk side connection at the Telephone Company entry switch), and the manner in which an end user accesses them in originating calling, (e.g., with or without an access code). 800 database access service and 900 access service are available through the use of the trunk side feature groups. Section 6.3 describes each feature group as well as 800 database and 900 access service.
1.	Feature groups are arranged for either originating, terminating or two way calling, based on the customer end office switching capacity ordered. The Telephone Company will determine the type of calling to be provided unless the customer requests that a different type of directional calling is to be provided. In such cases, the Telephone Company will work cooperatively with the customer to determine the direction.
a.	Originating calling permits the delivery of calls from telephone exchange service locations to the customer's premises.
b.	Terminating calling permits the delivery of calls from the customer's premises to telephone exchange service locations.
c.	Two way calling permits the delivery of calls in both directions, but not simultaneously.
B.	Shared Use occurs when switched access service and/or CCSA and special access service are provided over the same digital high capacity facility service through a common interface. The regulations governing the provision of shared use facilities are set forth in Bell Atlantic Telephone Companies Tariff FCC No. 11, Section 7. Switched access rates and charges will apply for each channel of the high capacity facility that is used to provided switched access service.

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL).

(N)

Verizon New England Inc.

6. Switched Access Service
6.1 Description

6.1.3 Manner of Provision	
A.	<p>Lines, Trunks and Busy Hour Minutes of Capacity (BHMCs)— Switched access is furnished in either quantities of trunks, or in BHMCs. BHMCs and trunks are differentiated by type and directionality of traffic carried over a switched access service arrangement. Differentiation of traffic is necessary for the Telephone Company to properly design switched access service to meet the traffic carrying capacity requirement of the customer.</p> <ol style="list-style-type: none"> 1. FGB access is furnished on a per trunk basis. 2. FGD access is furnished on a BHMC Basis. FGD may also be provided to customers on a per trunk basis as set forth in Bell Atlantic Telephone Companies Tariff FCC No. 11, Section 5.
B.	<p>Transmission Specifications— There are three standard transmission specifications (i.e., Types A*, B and C) for the provision of feature groups. The specifications provided are dependent on the feature group, interface group and the routing of the service, (i.e., whether the service is routed directly to the end office or via an access tandem). Data transmission parameters are also provided with each feature group transmission path. Interface groups are described in Section 6.2.1. The applicable technical specification(s) and data transmission parameters for each feature group are identified in Section 6.3. Section 6.4 sets forth the responsibilities of the Telephone Company in relation to the transmission specifications.</p>
C.	<p>Facilities and Routing— Any customer may request that the facilities used to provide switched access service be specially routed. The regulations for special access facilities routing (i.e., avoidance, diversity and cable-only) are set forth in Section 11.</p>
D.	<p>Testing</p> <ol style="list-style-type: none"> 1. At no additional charge, the Telephone Company will, at the customer's request, cooperatively test, at the time of installation, the following parameters. <ol style="list-style-type: none"> a. Loss b. C-Message Noise c. 3 Tone Slope d. dc Continuity and Operational Signaling e. When the local transport is provided with Interface Groups 2, 6, 7 and 9 and the local transport termination is two wire (there is a four wire to two wire conversion in local transport), balance parameters (equal level echo path loss) may also be tested. 2. In addition to the preceding tests which are included with the installation of service, additional cooperative acceptance testing, automatic scheduled testing, cooperative scheduled testing, manual scheduled testing and nonscheduled testing will be provided as set forth in Bell Atlantic Telephone Companies Tariff FCC No. 11, Section 13.

(N)

* Please refer to Section 16, for limitations on the availability of Feature Group A (FGA).

(N)

Verizon New England Inc.

6. Switched Access Service
6.1 Description

6.1.3 Manner of Provision	
D. (Continued)	
3.	When CCSA and/or the SS7 signaling option with FGD is ordered, network compatibility and other operational tests will be performed cooperatively by the Telephone Company and the customer. These tests will verify the capabilities as set forth in TR-TSV-000905.

6.1.4 Traffic Type	
A.	General — The two major traffic types are originating and terminating. When ordering capacity for FGB or FGD Access, the customer must at a minimum specify such access capacity in terms of originating traffic type and/or terminating traffic type. When ordering such types of access capacity, the FGD customer must specify domestic, 800, 900 or operator traffic type. When ordering domestic or 800 access capacity the FGB customer and the customer must specify domestic or 800 traffic type.
B.	Originating Traffic represents access capacity within a LATA for carrying traffic from the end user to the customer. Because some customers will wish to further segregate their originating FGB or FGD traffic into separate trunk groups or because segregation may be required by technical limitations, originating traffic type is further categorized into domestic, 800, 900, and operator. <ol style="list-style-type: none"> 1. Domestic traffic type represents access capacity for carrying only domestic traffic other than 800, 900 and operator traffic. 2. 800, 900 and operator traffic types represent access capacity, for carrying, respectively only 800, 900 or operator traffic.
C.	Terminating Traffic represents access capacity within a LATA for carrying traffic from the customer to the end user.

6.1.5 Provisions For Other Services	
A.	WATS* Access Line Service is a type of special access service that is provided for use with FGB and/or FGD. WAL* service connects an end user premises with a WATS* or WATS* type Serving Office (WSO). This service is described and provisioned under Bell Atlantic Telephone Companies Tariff FCC No. 11, Section 7. The WAL* optional feature, 10XXX capability, is described in Section 6.3.2J. (N) (N) (N)

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL). (N)

6. Switched Access Service
6.2 Functional Components of Service

6.2.1	Local Transport
E.	(Continued)
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> <ol style="list-style-type: none"> 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. 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. <ol style="list-style-type: none"> 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. 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.

(N)

* Please refer to Section 16, for limitations on the availability of Feature Group A (FGA).

(N)

6. Switched Access Service
6.2 Functional Components of Service

6.2.1 Local Transport	
Exhibit 6.2.1-6 Field Identifiers (FIDs) for Optional Features–Local Transport	
Optional Feature	FID
DX Supervisory Signaling Arrangement	NCI++DX++
SF Supervisory Signaling Arrangement	NCI++SF++
E&M Type 1 Supervisory Signaling Arrangement	NCI++EA+
E&M Type 2 Supervisory Signaling Arrangement	NCI++EB+
E&M Type 3 Supervisory Signaling Arrangement	NCI++EC+
Customer Specification of the Receive Transmission Level at 1st Point of Switching	TLV
Customer Specification of Local Transport Termination	NC S+T+

6.2.1.1 Tandem Switched Transport	
A.	The following rate elements apply to Tandem Switched Transport:
1.	Tandem Switching — Tandem Switching provides for the use of the Telephone Company tandem switching facilities.
2.	Local Transport Facility — The Local Transport Facility provides for that portion of the voice frequency transmission path between the end office and the access tandem, or the host office serving a remote switch and the access tandem, or the end office and FGA* Dial Tone Office. Mileage is calculated as set forth in 6.4.10.
3.	Dedicated Tandem Port — The Dedicated Tandem Trunk Port provides for the termination of a voice frequency transmission path into the serving wire center side of an access tandem.

(N)

6.2.1.2 Dedicated Switched Transport	
A.	The following rate elements apply to Dedicated Switched Transport:
1.	Voice Grade Entrance Facility — A Voice Grade Entrance Facility provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. A Voice Grade Entrance Facility is provided between a customer-designated premises and the serving wire center of the customer premises.
2.	Direct Trunked Transport (Voice Grade, DS1 and DS3) — Direct Trunked Transport provides the transmission path from the serving wire center of the customer's premises to an end office, or from the serving wire center to a tandem, or, in the case of voice grade service used for FGA*, from the serving wire center to the Dial Tone Office (DTO), or from the serving wire center to the facility hub office. This transmission path is dedicated to the use of a single customer. Mileage is calculated as set forth in 6.4.10.

(N)

* Please refer to Section 16, for limitations on the availability of Feature Group A (FGA).

(N)

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.
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. (N)
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. (N)
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. (N)
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. (N)
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. (N)
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). (N)
F.	Composite Terminating End Office Charge (CTEOC) — The composite terminating end office charge applies to all terminating access minutes of use. (T)

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

** Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL) and Feature Group A (FGA). (N)

Verizon New England Inc.

6. Switched Access Service
6.2 Functional Components of Service

6.2.3 Local Switching Common Switching Optional Features		
C.3. (Continued)		
<ul style="list-style-type: none"> d. Hotel/motel originated call which requires room number identification e. Coinless station, hospital, inmate (etc.), call which requires special screening or handling by the customer f. Call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. 		
<p>4. The following additional ANI information digits are available with FGD only and will be transmitted as agreed to by the customer and the Telephone Company.</p> <ul style="list-style-type: none"> a. They include InterLATA restricted–telephone number is identified line b. InterLATA restricted–hotel/motel line c. InterLATA restricted–coinless, hospital, inmate (etc.), line. 		
<p>5. When the SS7 signaling option is specified, the customer will be provided an ANI equivalent, the charge number feature (refer to Section 6.2.3D).</p>		
D.	<p>Band Advance Arrangement for Use With WAL Service* which is provided in association with two or more WAL service* groups, provides for the automatic overflow of terminating calls to a WAL service group, when that group has exceeded its call capacity, to another WAL service* group with a band designation equal to or greater than that of the overflowing WAL service* group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with FGD.</p>	<p>(N) (N) (N) (N)</p>
E.	<p>End Office End User Line Service Screening for Use With WAL Service* provides the ability to verify that a customer has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer, (i.e., WATS*). This option is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices in which WAL service* is provided. It is available with FGD.</p>	<p>(N) (N) (N)</p>
F.	<p>Hunt Group Arrangement for Use With WAL Service* provides the ability to sequentially access one of two or more WAL services* (i.e. 800 service access lines) in the terminating direction, when the hunting number of the WAL service* group is forwarded from the customer to the Telephone Company. This feature is provided in all Telephone Company end offices in which WAL service* is provided. It is available with FGB and FGD.</p>	<p>(N) (N) (N) (N)</p>

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL). (N)

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6. Switched Access Service
6.2 Functional Components of Service

6.2.3 Local Switching Common Switching Optional Features	
G.	<p>Nonhunting Number for Use With Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use With WAL Service* provides an arrangement for an individual WAL service* within a multiline hunt or uniform call distribution group that provides access to those WAL services* within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices in which WAL service* is provided. It is available with FGB and FGD.</p>
H.	<p>Routing of IntraLATA Calls to the Telephone Company for Use With WAL Service* which is available with either, originating only WAL service* not equipped with the end office end user line service screening optional feature, or with two way WAL service*, provides that intraLATA calls originating over such services by the end users dialing valid NXX codes in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider, local operator assistance (0- and 0+), service codes (911), and directory assistance (555-1212) will be routed to the facilities of the Telephone Company for completion. Calls placed by the end user's dialing the 950-0XXX or 950-1XXX will be directed to the FGB customer. This option is available with FGD.</p>
I.	<p>Service Class Routing provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0- or 0+) or service access code (e.g., 800 or 900). It is provided in suitably equipped end office or access tandem switches and is available with FGD.</p>
J.	<p>Uniform Call Distribution Arrangement for Use With WAL Service* provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available WAL services* in the hunt group. Where available, this feature is only provided in Telephone Company electronic end offices in which WAL service* is provided. It is available with FGB and FGD.</p>
K.	<p>Up to Seven Digit Outpulsing of Access Digits To Customer provides for end office capability of providing up to seven digits of the uniform access code (950-0XXX or 950-1XXX) to the customer premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer's premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with FGB.</p>

(N)
 (N)
 (N)
 (N)
 (N)
 (N)
 (N)
 (N)

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL).

Verizon New England Inc.

6. Switched Access Service
6.2 Functional Components of Service

6.2.3 Local Switching Common Switching Optional Features	
Exhibit 6.2.3-1 Field Identifiers (FIDs) for Optional Features—Local Switching Common Switching	
Optional Feature	FID
Alternate Traffic Routing Multiple Customer Premises and End Office	ARTG
Automatic Number Identification	ANI
Band Advance Arrangement for Use with WAL Service*	BAAD
End Office Customer Line Service Screening for Use With WAL Service*	BAND
Hunt Group Arrangement for Use With WAL Service*	HML/HTG
Nonhunting Number for Use With Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use With WAL Service*	NHN
Routing of IntraLATA Calls to the Telephone Company for Use With WAL Service*	BAND
Service Class Routing	SRCT
Uniform Call Distribution Arrangement for Use With WAL Service*	HTY UD
Up to 7 Digit Outpulsing of Access Digits to Customer	USDO

(N)
 (N)
 (N)
 (N)
 (N)
 (N)
 (N)

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL). (N)

Verizon New England Inc.

6. Switched Access Service
6.2 Functional Components of Service

6.2.5	Local Switching WAL Service* Terminations Optional Features	(N)
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.	(N)
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.	(N)

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL). (N)

Verizon New England Inc.

6. Switched Access Service
6.2 Functional Components of Service

6.2.5 Local Switching WAL Service* Terminations Optional Features		(N)
Exhibit 6.2.5-1 Field Identifiers (FIDs) for Optional Features–Local Switching WAL Service* Terminations		(N)
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	
2W Originating Only Ground Start/DTMF (line side)	NC++AS	
2W Terminating Only Loop Start (line side)	NC++AU	
2W Terminating Only Ground Start (line side)	NC++AV	
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	
2W Two Way Ground Start/DTMF (line side)	NC++AG	
4W Originating Only Loop Start/DP (line side)	NC++BN	
4W Originating Only Ground Start/DP (line side)	NC++BP	
4W Originating Only Loop Start/DTMF (line side)	NC++BR	
4W Originating Only Ground Start/DTMF (line side)	NC++BS	
4W Terminating Only Loop Start (line side)	NC++BU	
4W Terminating Only Ground Start (line side)	NC++BV	
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	
4W Two Way Ground Start/DTMF (line side)	NC++GG	
2W Originating Only Answer Supervision (RV)/DP (trunk side)	NC++AY	
2W Originating Only Answer Supervision (RV)/DTMF (trunk side)	NC++AM	

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL). (N)

Verizon New England Inc.

6. Switched Access Service
6.2 Functional Components of Service

6.2.5 Local Switching WAL Service* Terminations Optional Features		(N)
Exhibit 6.2.5-1 Field Identifiers (FIDs) for Optional Features—Local Switching WAL Service* Terminations		(N)
Optional Feature	FID	
2W Terminating Only - DNIS (RV) (trunk side)	NC++AT	
4W Originating Only E&M/DP (trunk side)	NC++BC	
4W Originating Only E&M/DTMF (trunk side)	NC++BD	
4W Terminating Only E&M (trunk side)	NC++BX	
4W Two Way, E&M/DP (trunk side)	NC++GJ	
4W Two Way, E&M/DTMF (trunk side)	NC++GH	

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL). (N)

Verizon New England Inc.

6. Switched Access Service
6.3 Description of Switched Access Services

6.3.1 Feature Group B (FGB)	
E.	Signaling — The switch trunk equipment is provided with wink start start pulsing signals and answer and disconnect supervisory signaling. FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with ANI or rotary dial station signaling arrangements, any other address signaling in the originating direction, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the local transport provided.
F.	Intercept Announcement — When all FGB switching arrangements are discontinued at an end office and/or in a LATA, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.
G.	Transmission Specifications — FGB is provided with either Type B or Type C transmission specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. <ol style="list-style-type: none"> 1. Type B is provided with Interface Groups 2, 6, 7 and 9. 2. Type C transmission specifications are provided with Interface Group 1. 3. Type DB data transmission parameters are provided with FGB to the first point of switching.
H.	Testing Capabilities — FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line.
I.	Provisions for Other Services — When a WAL service* is provided in conjunction with FGB switched access service the IC will be provided with routing of intraLATA calls to the Telephone Company for use with WAL service* option. (N)
J.	FGB Optional Features
1. Common Switching	
a.	Alternate Traffic Routing
b.	Automatic Number Identification (ANI)
c.	Hunt Group Arrangement for Use with WAL service* (N)
d.	Non-hunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WAL service* (N)
e.	Uniform Call Distribution Arrangement for Use with WAL service* (N)

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL). (N)

Verizon New England Inc.

6. Switched Access Service
6.3 Description of Switched Access Services

6.3.1 Feature Group B (FGB)	
J.1. (Continued)	
<ul style="list-style-type: none"> f. Up to 7 Digit Outpulsing of Access Digits to Customer 2. Transport Termination a. Rotary Dial Station Signaling 3. Local Transport a. Customer Specified Entry Switch Receive Level b. Customer Specification of Local Transport Termination c. Supervisory Signaling (as set forth in Section 6.2.1). 4. WATS Access Line Service* Termination a. Answer Supervision b. E&M Supervisory Signaling 5. Other Features a. Curb-A-Charge, a feature which may be available in connection with FGB is provided under PUC RI No. 15. 	(N)

6.3.2 Feature Group D (FGD)	
<ul style="list-style-type: none"> A. FGD which is available to all customers, provides trunk side access to Telephone Company end office switches with an associated uniform 10XXX access code for non 800 and non 900 access services traffic, for the customer's use in originating and terminating communications. To originate non 800 and non 900 intraLATA calls the 10XXX access code must be dialed. FGD is provided at Telephone Company designated end office switches whether routed directly or via Telephone Company designated access tandem switches. For FGD with the SS7 signaling option, the CCSA Signaling connection is provided to Telephone Company designated STPs. B. FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company. 	

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL).

(N)

Verizon New England Inc.

6. Switched Access Service
6.3 Description of Switched Access Services

6.3.2 Feature Group D (FGD)	
C. Uniform Access	<p>— The access code for FGD switching is a uniform access code of the form 10XXX. A single access code will be the assigned number of all FGD access provided to the customer by the Telephone Company. No access code is required for calls which originate from a WAL service*.</p> <p>1. Where no access code is required or available, the number dialed by the end user shall be a seven to eleven digit number for calls in the North American Numbering Plan (NANP). The form of the numbers dialed by the end user is NXX-XXXX, 0 or 1+NXX-XXXX, NPA+NXX-XXXX or 0 or 1+NPA+NXX-XXXX.</p> <p>2. When the 10XXX access code is used, FGD switching also provides for dialing the digit "0" for access to the customer's operator, 911 for access to, or the end of dialing digit (#) for cut-through access to the customer's premises</p> <p>3. Calls originating over a WAL service* by the end user's dialing 800+NXX-XXXX, 900+NXX-XXXX, 1+800+NXX-XXXX or 1+900+NXX-XXXX will be routed to the Switched Access service of the 800 or 900 service provider. Calls originating over a WAL service* by the end user's dialing unassigned NXXs, local operator assistance (0-), service codes (911), directory assistance and 10XXX access codes will not be completed. All other calls originating over a WAL service* will be routed over the particular customer's FGD service used to provision the WAL service*.</p> <p>4. These dialing provisions apply for WAL service* not equipped with the option of, routing of intraLATA calls to the Telephone Company for use with WAL service*.</p>
D. Terminating Access	<p>— FGD switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Telephone Company, community information services of an IP, and other customers' services (by dialing the appropriate codes) when the services can be reached using valid NXX codes.</p> <p>1. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed.</p> <p>2. The customer will also be billed additional non access charges for calls to certain community information services, for which rates are applicable under PUC RI No. 15 exchange service tariff, (e.g. 976 DIAL-IT network services).</p> <p>3. Non access charges will also be billed for calls from a FGD trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer.</p> <p>4. Calls in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), service codes (911 where available) and 10XXX access codes. Calls will not be completed to directory assistance (555-1212). FGD may not be switched in the terminating direction, to switched access service FGB or FGD.</p>

(N)
 (N)
 (N)
 (N)
 (N)
 (N)
 (N)

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL).

(N)

Verizon New England Inc.

6. Switched Access Service
6.3 Description of Switched Access Services

6.3.2 Feature Group D (FGD)	
I. FGB Optional Features	
1. Common Switching	
a. Alternate Traffic Routing (not available in designated electromechanical end offices)	
b. Automatic Number Identification (ANI)	
c. Band Advance Arrangement for Use with WAL Service*	(N)
d. End Office End User Line Service Screening for Use With WAL Service*	(N)
e. Hunt Group Arrangement for Use with WAL Service*	(N)
f. Multiple Trunk Routing	
g. Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WAL Service*	(N)
h. Routing of IntraLATA Calls to the Telephone Company for Use with WAL Service*, Service Class Routing	(N)
i. Uniform Call Distribution for Use with WAL Service*	(N)
j. Carrier Identification Parameter	
2. Transport Termination	
a. Operator Trunk Assist Feature Arrangement	
b. Operator Trunk Full Feature Arrangement	
3. Local Transport	
a. CCSA	
b. SS7 signaling option	
c. Supervisory Signaling (as set forth in Section 6.2.1)	
4. WATS Access Line Service* Termination	(N)
a. Answer Supervision	
b. E&M Supervisory Signaling	

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL). (N)

6. Switched Access Service
6.3 Description of Switched Access Services

Table with 2 columns: Feature Group D (FGD) and Description. Row 1: J. Other Optional Features. Row 2: 1. WATS Access Line Service* 10XXX Capability— (FID=PROX) is available with either originating only or two way WAL service not equipped with the optional feature, end office end user line service. Row 3: a. Screening provides the capability for end users of such service to originate calls to FGD by dialing the appropriate 10XXX access code. These calls will be routed to the switched access service customer so designated which provides FGD to the end office (WSO) from which the WAL service* is provided. When the 10XXX access code is used, FGD switching also provides for the end of dialing (#) for cut-through access to the FGD customer's premises.

(N)
(N)

Table with 2 columns: 800 Database Access Service and Description. Row 1: A. General— For purposes of administering the rules and regulations set forth in this tariff regarding the provisions of 800 database access service, except where otherwise specified, the term 800 database access service shall include any of the following NPAs as they become available to the industry. Row 2: 1. 800. Row 3: 2. 822. Row 4: 3. 833. Row 5: 4. 844. Row 6: 5. 855. Row 7: 6. 866. Row 8: 7. 877. Row 9: 8. 888. Row 10: B. 800 database access service is a LATA-wide offering utilizing originating trunk side switched access service. The service provides for the forwarding of end user dialed 800+NXX-XXXX calls to a Telephone Company switching point which will initiate a query to the database to perform the carrier identification function. The customer has the option of having the dialed 800 number (i.e., 800-NXX-XXXX) or, if the Toll Free number translation feature is specified, a translated ten digit telephone number in NANPA format delivered to the customer premises switch capable of performing the carrier identification function. Based on the NXX, the call is forwarded to the appropriate IC. Row 11: 1. An 800 customer identification charge applies to customers who obtain 800 database access service.

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL). (N)

Verizon New England Inc.

6. Switched Access Service
6.3 Description of Switched Access Services

6.3.3 800 Database Access Service	
C.	No access code is required for 800 database access service. When a 1+800+NXX-XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer location to which the call is to be routed. The customer identification function will be available at suitably equipped end offices or access tandem switches. If the call originates from an end office switch not equipped to provide the customer identification function, the call will be routed to the nearest office at which the function is available. Once customer identification has been established, the call will be routed to the customer. Calls originating from an end office switch to which the customer has not ordered 800 database access service will not be completed.
D.	The provision of 800 database access service requires direct access by the customer or other authorized party, to the 800 SMS.
E.	The manner in which 800 database access service is provisioned is dependent on the status of the end office from which the service is provided, and/or the status of the customer (i.e., MTS/WATS* provider or MTS/WATS* type provider). 800 database access service is provisioned as FGD.
1.	Unless prohibited by technical limitations (e.g. different dialing plans), the customer's 800 database access service traffic, may at the option of the customer, be combined in the same trunk group arrangement with the customer's non 800 access service traffic for the same end office and of the same feature group type. Combining 800 database access service traffic with the customer's direct routed switched access service arrangement type will be allowed only when the end office is equipped to perform the customer identification function. When required by technical limitations, a separate trunk group must be established for 800 database access service.
F.	800 traffic carried over direct end office routed trunks is available only at end offices equipped with 800 access SSP functionality. 888 traffic carried over direct end office routed trunks is available only at end offices equipped with 888 access SSP functionality. All such traffic originating from end offices not equipped with the appropriate SSP function must be routed via an access tandem at which the function is available and the 800 access service must be ordered accordingly. SSP locations are identified in NECA Tariff FCC No. 4.

(N)

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL).

(N)

Verizon New England Inc.

6. Switched Access Service
6.4 Responsibility of the Telephone Company

6.4.3 Design and Traffic Routing of Switched Access Service	
A. (Continued)	
2.	The Telephone Company will decide whether trunk side access will be provided through the use of two wire or four wire trunk terminating equipment.
B.	Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and the Telephone Company traffic routing plans.
1.	If the customer desires routing or directionality different from that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining whether the service is to be routed directly to an end office or through an access tandem switch and also in determining the directionality of the service.
C.	For switched access service which is ordered on a per trunk basis, the customer desired trunk directionality and/or traffic routing of the switched access service between the customer's premises and the entry switch are specified on the customer's order for service.
1.	The Telephone Company will determine the optimal network configuration based on the capacity ordered.
2.	If the customer desires routing or directionality different from the optimal configuration determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining whether the service is to be routed directly to an end office or through an access tandem switch and also in determining the directionality of the service before establishing a firm order.
D.	Design Layout Report — At the request of the customer, the Telephone Company will provide to the customer the makeup of the facilities and services provided from the customer's premises to the first point of switching. This information will be provided in the form of a design layout report. The design layout report will also be provided for WAL service* when specifically requested by the customer. The design layout report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

(N)

6.4.4 Provision of Service Performance Data	
A.	Subject to availability, end to end service performance data available to the Telephone Company through its own service evaluation routines, may also be made available to the customer based on previously arranged intervals and format.
1.	These data provide information on overall end to end call completion and non-completion performance, (e.g., customer equipment blockage, failure results and transmission performance).
2.	These data do not include service performance data which are provided under other tariff sections, (e.g., testing service results).

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL).

(N)

Verizon New England Inc.

6. Switched Access Service
6.4 Responsibility of the Telephone Company

6.4.9 Measuring Access Minutes	
E. (Continued)	
5.	When any or all the usage over an unmeasured FGB trunk originates from or terminates to a WAL service* and the total FGB usage recorded at the WSOs exceeds the assumed usage(s), the recorded usage will be billed to the customer in lieu of the assumed usage.
F.	Feature Group D Usage Measurement — For originating calls over FGD except for FGD with the SS7 signaling option, usage measurement begins when the originating FGD entry switch receives the first wink supervisory signal forwarded from the customer's point of termination. The measurement of originating call usage over FGD ends when the originating FGD entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.
1.	For terminating calls over FGD, the measurement of access minutes begins when the terminating FGD entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.
2.	The measurement of terminating call usage over FGD ends when the terminating FGD entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.
3.	For originating calls over FGD with the SS7 signaling option, usage measurement for direct trunks begins when the FGD entry switch sends an initial address message. Usage measurement for tandem trunks begins when the FGD entry switch receives an exit message.

(N)

6.4.10 Determining Mileage	
A.	Mileage is calculated based on airline distance utilizing the V&H coordinates method. This method is set forth in the NECA Tariff FCC No. 4. If the calculation results in a fraction of a mile, a round up to the next whole mile occurs before determining the mileage.

* Please refer to Section 16, for limitations on the availability of WATS Access Line (WAL).

(N)

Verizon New England Inc.

6. Switched Access Service
6.4 Responsibility of the Telephone Company

6.4.10 Determining Mileage	
B. Mileage Measurement Rules	
1.	For non-remote switches, Tandem Switched Transport (TST) Local Transport Facility mileage for Feature Groups B and D tandem-routed minutes is calculated from the end office to the access tandem.
2.	For remote switches, TST Local Transport Facility mileage for Feature Groups B and D tandem-routed minutes is calculated from the host office to the access tandem.
3.	For FGA* in the originating direction that terminates within the LATA, TST Local Transport Facility mileage is calculated from the end office switch where the Feature Group A* switching dial tone is provided and the end office which serves the called party. TST Local Transport Facility mileage will not be applicable for access minutes which terminate outside the originating LATA. (N)
4.	If Direct Trunked Transport (DTT) is ordered to an end office, the mileage measurement is calculated from the serving wire center of the customer's premises to the end office. (N)
5.	If DTT is ordered to a host office serving a remote switch, the mileage measurement is calculated from the serving wire center of the customer's premises to the host office.
6.	If DTT is ordered to a tandem, the mileage measurement is calculated from the serving wire center of the customer's premises to the tandem.
7.	If DTT is ordered through a facility hub office, separate mileage measurements are calculated from the serving wire center of the customer's premises to the facility hub office and from the facility hub office to the end office, host office, or tandem.
8.	If DTT is ordered to a FGA* Dial Tone Office (DTO), the mileage measurement is calculated from the serving wire center of the customer's premises to the FGA* DTO. (N)
9.	Mileage measurement for the CCSA STP link transport will be calculated on an airline basis using the V&H coordinates method between the serving wire center of the customer's SPOI and the Telephone Company's STP. (N)

* Please refer to Section 16, for limitations on the availability of Feature Group A (FGA). (N)

Verizon New England Inc.

16. Services Affected by Network Transformation - Serving Wire Center Information

(N)

16.1 General

16.1.1 Description											
A.	<p>The following services are subject to the limitations on availability stated in Section 1.16.1.B, below, with respect to the serving wire centers listed in that section.</p> <p style="text-align: center;">WATTS Access Line (WAL)</p> <p style="text-align: center;">Feature Group A (FGA)</p>										
B.	<p>Serving Wire Center Information:</p> <table border="1" style="margin-left: 40px;"> <thead> <tr> <th style="text-align: center;">Exchange Name</th> <th style="text-align: center;">Effective Date</th> </tr> </thead> <tbody> <tr> <td>Washington St.</td> <td>February 28, 2019</td> </tr> <tr> <td>Narraganset</td> <td>February 28, 2019</td> </tr> <tr> <td>Riverside</td> <td>February 28, 2019</td> </tr> <tr> <td>Scituate Structure</td> <td>February 28, 2019</td> </tr> </tbody> </table> <p style="margin-left: 40px;">Services listed in section 1.16.1A will be withdrawn, upon 90 days-notice to the customer, on a location by location basis. The service withdrawal will occur over a 24 month period starting on the effective date below. Services are withdrawn from all customers at the end of the 24 month period.</p>	Exchange Name	Effective Date	Washington St.	February 28, 2019	Narraganset	February 28, 2019	Riverside	February 28, 2019	Scituate Structure	February 28, 2019
Exchange Name	Effective Date										
Washington St.	February 28, 2019										
Narraganset	February 28, 2019										
Riverside	February 28, 2019										
Scituate Structure	February 28, 2019										

(N)