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March 19, 2021

VIA ELECTRONIC FILING

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor
Harrisburg, PA 17120

RE: Joint Filing of Verizon North LLC and Frontier/CTSI, Inc. for
Approval of an Interconnection Agreement Amendment
[Reference Docket No. A-311095F7001]
Dkt. No.

Dear Secretary Chiavetta:

For filing and approval by the Commission, enclosed please find the UNE/Resale Forbearance Amendment regarding the above-referenced interconnection agreement between Verizon North LLC and Frontier/CTSI, Inc. ("Frontier/CTSI").

As evidenced by the cc: below, notice of this filing is being provided to Frontier/CTSI.

Please do not hesitate to contact me with any questions.

Very truly yours,

A handwritten signature in blue ink that reads "Suzan D. Paiva/sau".

Suzan D. Paiva

SDP/sau
Enclosure

Via Email
cc: Theresa Moffitt, Esquire, Frontier Communications, Carrier Services – Interconnection and Contract Negotiations
Attached Service List

SERVICE LIST

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Office of the Attorney General
Bureau of Consumer Protection
Strawberry Square, 14th Floor
Harrisburg, PA 17120

**UNE/RESALE FORBEARANCE AMENDMENT
TO THE
INTERCONNECTION AGREEMENT
BETWEEN
Verizon North LLC
AND
CTSI, LLC**

This UNE/Resale Forbearance Amendment (this "Amendment"), by and between Verizon North LLC ("Verizon"), and CTSI, LLC ("Customer"), upon execution by both Parties, shall be deemed effective as of the earlier of (i) the last date of signature by a Party and (ii) January 12, 2020. (Verizon and Customer may be hereinafter referred to individually as a "Party" and collectively as the "Parties.") This Amendment only covers the services addressed herein that Verizon provides in its operating territory in the Commonwealth of Pennsylvania (the "State").

WITNESSETH:

WHEREAS, Verizon and Customer, whether as original parties or as a result of Customer's adoption of an agreement pursuant to 252(i) of the Communications Act of 1934, as amended (the "Act"), are Parties to an interconnection agreement under Sections 251 and 252 of the Act dated August 16, 1999 (the "Agreement"); and

WHEREAS, on July 12, 2019, the Federal Communications Commission (the "FCC") released a Report and Order on Remand and Memorandum Opinion and Order in WC Docket Nos. 18-141 et al. (the "UNE Transport Forbearance Order"), which became effective upon release; and

WHEREAS, on August 2, 2019, the FCC released a Memorandum Opinion and Order in WC Docket Nos. 18-141 et al. (the "UNE Loop/Resale Forbearance Order"), which became effective upon release (the UNE Loop/Resale Forbearance Order, together with the UNE Transport Forbearance Order, the "UNE/Resale Forbearance Orders"); and

WHEREAS, in light of the foregoing developments, the Parties, each without waiving any rights or arguments it may have with respect to whether an amendment is required to effectuate the UNE/Resale Forbearance Orders under the existing terms of the Agreement, wish to amend the Agreement as set forth herein; and

NOW, THEREFORE, in consideration of the mutual promises contained herein, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. **Amendment to Agreement.** The Agreement is amended to incorporate the terms and conditions set forth in this Amendment, all of which shall apply to and be a part of the Agreement (hereinafter referred to as the "Amended Agreement") notwithstanding any other term or condition of the Amended Agreement, a Verizon Tariff or a Verizon Statement of Generally Available Terms and Conditions ("SGAT").
2. **Discontinuation of UNE Analog Loops.**
 - 2.1 Notwithstanding any other term or condition of the Amended Agreement or a Verizon Tariff or SGAT, and subject to the transitional provisions set forth in Subsections 2.2 and 2.3 below, Customer shall not order or obtain UNE Analog Loops from Verizon (whether via new orders or conversions of existing special access circuits or other services), and Verizon shall not be obligated to provide

UNE Analog Loops to Customer (whether via new orders or conversions of existing special access circuits or other services).

- 2.2 For new purchases of UNE Analog Loops that would be precluded under Section 2.1 above, but that would otherwise be available to Customer under the Agreement, Customer may order UNE Analog Loops through February 2, 2020.
 - 2.3 A UNE Analog Loop that Customer orders on or before February 2, 2020, will continue to be available at the rates, terms and conditions that apply under the Agreement through August 2, 2022 ("UNE Analog Loop Transition Deadline"), unless, prior to such date, such UNE Analog Loop is discontinued by Customer or terminated by Verizon for any reason permitted under the Agreement. After August 2, 2022, Verizon will no longer provide or maintain under the Amended Agreement any UNE Analog Loop that remains in service as of August 2, 2022.
 - 2.4 For the avoidance of any doubt, the limitations on availability of UNE Analog Loops set forth herein apply regardless of whether the UNE Analog Loop is ordered or used as a stand-alone UNE, in combination with another UNE (e.g., as part of loop-transport combination), or commingled with a non-UNE service or other arrangement.
3. Discontinuation of UNE DS1 and DS3 Transport Between Certain Wire Centers.
- 3.1 DS1 and DS3 UNE Triggering Endpoints.
 - 3.1.1 For purposes of this Section 3: (a) a "Tier 1" Wire Center is a Wire Center that Verizon identifies (or has identified) as such in an industry notice(s) and/or in a Verizon Tariff pursuant to FCC rules (including without limitation 47 C.F.R. § 51.319(d)(3)) in effect prior to the UNE Transport Forbearance Order; (b) a "Tier 2" Wire Center is a Wire Center that Verizon identifies (or has identified) as such in an industry notice(s) and/or in a Verizon Tariff pursuant to FCC rules (including without limitation 47 C.F.R. § 51.319(d)(3)) in effect prior to the UNE Transport Forbearance Order; (c) a "Tier 3" Wire Center is a Verizon Wire Center that Verizon has not identified as a Tier 1 or a Tier 2 Wire Center as described in (a) and (b) preceding; (d) the two Wire Centers at either end of a Dedicated Transport route are the "endpoints" of the route; (e) the "DS3 UNE Triggering Endpoint(s)" for a DS3 Dedicated Transport route are those endpoints of the route which are Tier 3 Wire Centers; and (f) the "DS1 UNE Triggering Endpoint(s)" for a DS1 Dedicated Transport route are those endpoints that are either Tier 2 or Tier 3 Wire Centers.
 - 3.1.2 Pursuant to Verizon's industry notices and/or Tariff filings pursuant to FCC rules (including without limitation 47 C.F.R. § 51.319(d)(3)) in effect prior to the UNE Transport Forbearance Order: (a) dedicated DS1 transport is available on an unbundled basis only on routes for which either endpoint is (or both endpoints are) a DS1 UNE Triggering Endpoint, and (b) dedicated DS3 transport is available on an unbundled basis only on routes for which either endpoint is (or both endpoints are) a DS3 UNE Triggering Endpoint.
 - 3.2 Effect of UNE Transport Forbearance Order on DS1 and DS3 UNE Triggering Endpoints. To the extent UNE DS1 and DS3 Transport would otherwise be available under the Agreement given the limitations set forth in Section 3.1 above (or limitations that otherwise apply under the Agreement, Applicable Law, or an

applicable Verizon Tariff or SGAT), such availability is subject to the further limitations set forth in this Section 3.2. Notwithstanding any other term or condition of the Amended Agreement or a Verizon Tariff or SGAT, and subject to the transitional provisions set forth in Subsections 3.3 and 3.4 below:

3.2.1 UNE DS1 Transport. For purposes of determining whether DS1 Dedicated Transport is available on an unbundled basis under Section 3.1.2 above, a Tier 2 or Tier 3 Wire Center shall not be deemed a DS1 Triggering Endpoint if competitive fiber is present within one-half mile of that Wire Center. Thus, for example: (a) if both ends of a route were Tier 2 or 3 Wire Centers, but competitive fiber is present within one-half mile of only one of those Wire Centers, then UNE DS1 Transport would be available as a UNE on such route, and (b) if both ends of a route were Tier 2 or 3 Wire Centers, but competitive fiber is present within one-half mile of both of those Wire Centers, then UNE DS1 Transport would not be available as a UNE on such route, and (c) if one end of a route were a Tier 1 Wire Center and the other end of the route were a Tier 2 or 3 Wire Center that has competitive fiber present within one-half mile, then UNE DS1 Transport would not be available as a UNE on such route. Customer shall not order or obtain, and Verizon shall not be obligated to provide, unbundled access (whether via new orders or conversions of existing special access circuits or other services) to unbundled DS1 Dedicated Transport on a route where unbundled DS1 Dedicated Transport is not available by application of this Section 3.2.1.

3.2.2 UNE DS3 Transport. For purposes of determining whether DS3 Dedicated Transport is available on an unbundled basis under Section 3.1.2 above, a Tier 3 Wire Center shall not be deemed a DS3 Triggering Endpoint if competitive fiber is present within one-half mile of that Wire Center. Thus, for example: (a) if one end of a route were a Tier 1 or 2 Wire Center, and the other end of the route were a Tier 3 Wire Center with competitive fiber located within one-half mile, then UNE DS3 Transport would not be available on such route, (b) if both ends of a route were Tier 3 Wire Centers, but competitive fiber is present within one-half mile of both of those Tier 3 Wire Centers, then UNE DS3 Transport would not be available as a UNE on such route. Customer shall not order or obtain, and Verizon shall not be obligated to provide, unbundled access (whether via new orders or conversions of existing special access circuits or other services) to unbundled DS3 Dedicated Transport on a route where unbundled DS3 Dedicated Transport is not available by application of this Section 3.2.2.

3.2.3 For purposes of this section, the Wire Centers for which competitive fiber is available within one-half mile are those listed in the August 1, 2019 Public Release of the FCC's Wireline Competition Bureau in WC Docket 18-141 (DA 19-733) (including any subsequent FCC modifications and supplements to such list).

3.3 For new purchases of UNE DS1 or DS3 Dedicated Transport that would be precluded under Section 3.2 above, but that would otherwise be available to Customer under the Agreement, Customer may order UNE DS1 or DS3 Dedicated Transport through January 12, 2020.

3.4 UNE DS1 or DS3 Dedicated Transport that Customer orders as of January 12, 2020, will continue to be available at the rates, terms and conditions that apply

under the Agreement through July 12, 2022 (“UNE Transport Transition Deadline” and, together with the UNE Analog Transition Deadline, the “Embedded Base Transition Deadlines”), unless, prior to such date, such UNE DS1 or DS3 Dedicated Transport is discontinued by Customer or terminated by Verizon for any reason permitted under the Agreement. After July 12, 2022, Verizon will no longer provide or maintain under the Amended Agreement any such UNE DS1 or DS3 Dedicated Transport that remains in service as of July 12, 2022.

- 3.5 For the avoidance of any doubt, the limitations on availability of UNE DS1 and DS3 Dedicated Transport set forth herein apply regardless of whether the DS1 or DS3 Transport is ordered or used as a stand-alone UNE, in combination with another UNE (e.g., as part of loop-transport combination), or commingled with a non-UNE service or other arrangement.

4. Replacement Arrangements.

- 4.1 Where Verizon is permitted to cease providing a UNE Analog Loop, UNE DS1 Dedicated Transport, or UNE DS3 Dedicated Transport (each of the foregoing, a “Discontinued UNE”) under the terms of the Amended Agreement (including, but not limited to, Sections 2 and 3 above) and Customer has not submitted a Local Service Request (“LSR”) or Access Service Request (“ASR”), as applicable, to Verizon requesting disconnection of the Discontinued UNE and has not separately secured from Verizon an alternative arrangement to replace the Discontinued UNE as of the applicable Embedded Base Transition Deadline, then Verizon may disconnect the subject Discontinued UNE without further notice to Customer immediately following or any time after the applicable Embedded Base Transition Deadline.

- 4.2 In lieu of disconnecting the subject Discontinued UNE in the foregoing circumstances, Verizon, in its sole discretion, may elect to: (a) convert the subject Discontinued UNE to an arrangement available under a Verizon access Tariff (in which case month-to-month rates shall apply unless Verizon determines that the circuit is eligible for a different plan to which Customer then subscribes), a resale arrangement, or other commercial arrangement that Verizon identifies in writing to Customer, or (b) in lieu of such a conversion, reprice the subject Discontinued UNE by application of a new rate (or, in Verizon's sole discretion, by application of a surcharge to an existing rate) to be equivalent to an arrangement available under a Verizon access Tariff, a resale arrangement, or other commercial arrangement that Verizon provides notice of to Customer (the rates, terms and conditions of such replacement arrangement that Verizon identifies under (a) or (b) preceding, the “Replacement Terms”); provided, however, that Verizon may disconnect the subject Discontinued UNE (or the replacement service to which the Discontinued UNE has been converted), after any notice required by the applicable tariff or arrangement, if Customer fails to pay when due any applicable new rate or surcharge billed by Verizon. Without limiting Verizon's or Customer's rights and obligations under this Section 4, Customer shall cooperate with Verizon in implementing the requirements of this Section 4.

- 4.3 Limitation With Respect to Replacement Arrangements. Notwithstanding any other provision of the Amended Agreement, any negotiations regarding any replacement arrangement or other facility or service that Verizon is not required to provide under 47 U.S.C. § 251 and 47 C.F.R. Part 51 shall be deemed not to have been conducted pursuant to 47 U.S.C. § 252(a)(1), or 47 C.F.R. Part 51, and shall not be subject to arbitration pursuant to 47 U.S.C. § 252(b). Any

reference in this Amendment to Verizon's provision of a facility, service, or arrangement that Verizon is not required to provide under 47 U.S.C. § 251 and 47 C.F.R. Part 51 is solely for the convenience of the Parties and shall not be construed to require or permit arbitration of any rates, terms, or conditions for such facility, service, or arrangement pursuant to 47 U.S.C. § 252(b) or other provision of Applicable Law.

5. Discontinuation of Wholesale Discount for Resold Services.

- 5.1 Notwithstanding any other term or condition of the Amended Agreement or a Verizon Tariff or SGAT, and subject to the transitional provisions set forth in Subsections 5.2 and 5.3 below, the wholesale discount for Telecommunications Services that Customer purchases for resale under 47 U.S.C. § 251(c)(4) (such discount that applies under the Agreement or applicable Tariff, the "Wholesale Discount") is not available to Customer and shall hereby cease to apply except as set forth in Sections 5.2. and 5.3 below.
- 5.2 Customer may order Telecommunications Services for resale at the Wholesale Discount pursuant to the Amended Agreement through February 2, 2020. After such date, any additional purchases of Telecommunications Services for resale may be made at the retail price for such Telecommunications Service as set forth in Verizon's applicable Tariffs (or, if there is no Tariff Retail Price for such Telecommunications Service, Verizon's retail price for the Telecommunications Service that is generally offered to Verizon's end user customers). Such services shall be deemed to be purchased for resale under 47 U.S.C. § 251(b)(1), and all rates, terms and conditions that apply to the resale of Telecommunications Services under the Agreement, other than the Wholesale Discount, shall continue to apply to such services.
- 5.3 Any resold Telecommunications Services that Customer orders at the Wholesale Discount on or before February 2, 2020, will remain available at the Wholesale Discount through August 2, 2022 unless, prior to such date, the resold Telecommunications Service is discontinued by Customer or the Telecommunications Service is terminated by Verizon for any reason permitted under the Amended Agreement, a Verizon Tariff, or Applicable Law. After such date, any resold Telecommunications Service that has not previously been discontinued by Customer or terminated by Verizon will continue to be provided by Verizon at the retail price for such Telecommunications Service as set forth in Verizon's applicable Tariffs (or, if there is no Tariff Retail Price for such Telecommunications Service, Verizon's retail price for the Telecommunications Service that is generally offered to Verizon's end user customers). Such services shall be deemed to be purchased for resale under 47 U.S.C. § 251(b)(1), and all rates, terms and conditions that apply to the resale of Telecommunications Services under the Agreement (including without limitation any Verizon Tariff referenced therein), other than the Wholesale Discount, shall continue to apply to such services.

6. Miscellaneous Provisions.

- 6.1 Existing Rights and Obligations. Nothing contained in this Amendment shall be deemed: (a) to obligate Verizon to offer or provide unbundled access to Analog UNE Loops, UNE DS1 or DS3 Dedicated Transport, or any other unbundled network element (whether as a stand-alone UNE, as part of a combination, or otherwise) that was not already available to Customer under the Agreement prior to this Amendment (b) to obligate Verizon to offer or provide unbundled access at rates prescribed under Section 251(c)(3) of the Act to any facility that is or

becomes a Discontinued UNE, whether as a stand-alone UNE, as part of a combination, or otherwise, (c) to obligate Verizon to apply the wholesale discount for resold services under 47 U.S.C. § 251(c)(4) where such discount and associated terms and conditions are not already available under the Agreement prior to this Amendment, or (d) to limit any right of Verizon under the Agreement (independent of this Amendment), any Verizon Tariff or SGAT, or otherwise, to cease providing a Discontinued UNE, whether as a stand-alone facility, as part of a combination, or otherwise, or to cease providing the Wholesale Discount to resold services under 47 U.S.C. § 251(c)(4).

- 6.2 Conflict Between this Amendment and the Agreement. This Amendment shall be deemed to revise the terms and conditions of the Agreement to the extent necessary to give effect to the terms and conditions of this Amendment. In the event of a conflict between the terms and conditions of this Amendment and the terms and conditions of the Agreement, this Amendment shall govern; provided, however, that the fact that a term or condition appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Section 6.2.
- 6.3 Capitalization. Capitalized terms used and not otherwise defined herein have the meanings set forth in the Amended Agreement.
- 6.4 Counterparts. This Amendment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original and all of which together shall constitute one and the same instrument.
- 6.5 Captions. The Parties acknowledge that the captions in this Amendment have been inserted solely for convenience of reference and in no way define or limit the scope or substance of any term or condition of this Amendment.
- 6.6 Scope of Amendment. This Amendment shall amend, modify and revise the Agreement only to the extent set forth expressly in this Amendment and, except to the extent expressly set forth in this Amendment, the terms and conditions of the Agreement shall remain in full force and effect after the Amendment Effective Date. For the avoidance of any doubt, nothing in this Amendment shall be deemed to amend or extend the term of the Amended Agreement, or to affect the right of a Party to exercise any right of termination it may have under the Amended Agreement.
- 6.7 Joint Work Product. The Parties acknowledge that this Amendment is the joint work product of the Parties, that, for convenience, this Amendment has been drafted by Verizon and that, accordingly, in the event of ambiguities in this Amendment, no inferences shall be drawn for or against either Party on the basis of authorship of this Amendment.
- 6.8 Amendments. No amendments or modifications shall be made to this Amendment unless in writing and signed by appropriate representatives of the Parties.
- 6.9 Waivers. A failure or delay of either Party to enforce any of the provisions of this Amendment, or any right or remedy available under this Amendment, or at law or in equity, or to require performance of any of the provisions of this Amendment, or to exercise any option that is provided under this Amendment, shall in no way be construed to be a waiver of such provisions, rights, remedies or options.

- 6.10 Electronic Signatures. For the avoidance of any doubt, this Amendment may be signed electronically, and the Amendment and the signatures may be recorded and stored in an electronic form.
- 6.11 Definitions. Notwithstanding any other provision in the Agreement, this Amendment or any Verizon Tariff or SGAT, the following terms, as used in this Amendment, shall have the meanings set forth below:
- 6.11.1 Dedicated Transport. Dedicated Transport is a Verizon DS1- or DS3-capacity transmission facility, within a LATA, between Verizon Wire Centers or switches (as identified in the LERG) that is dedicated to a particular customer or carrier. For avoidance of any doubt, Verizon shall not be required to provide unbundled access to any form of Dedicated Transport that Verizon is not required to unbundle under 47 U.S.C. § 251(c)(3) and 47 C.F.R. Part 51 (including, but not limited to, any Dedicated Transport that does not connect a pair of Verizon Wire Centers).
- 6.11.2 DS1 Dedicated Transport. Dedicated Transport having a total digital signal speed of 1.544 Mbps.
- 6.11.3 DS3 Dedicated Transport. Dedicated Transport having a total digital signal speed of 44.736 Mbps.
- 6.11.4 Tariff. Any applicable Federal or state tariff, product guide, standard agreement or other document, as amended from time to time, that sets forth the generally available terms, conditions and prices under which Verizon makes a service, facility, arrangement or the like available for purchase. The term "Tariff" does not include any SGAT pursuant to Section 252(f) of the Act.
- 6.11.5 UNE Analog Loop. An unbundled two-wire or four-wire analog voice-grade copper loop as defined in UNE Loop/Resale Forbearance Order (by whatever name the Agreement or Verizon Tariff or SGAT may use to refer to such loops, including, but not limited to, where the term "link" is used in lieu of "loop").
- 6.11.6 Wire Center. As set forth in 47 C.F.R. § 51.5, a Wire Center is the location of a Verizon local switching facility containing one or more central offices, as defined in the Appendix to Part 36 of Chapter 1 of Title 47 of the Code of Federal Regulations. The Wire Center boundaries define the area in which all customers served by a given Wire Center are located.

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment to be executed as of the Amendment Effective Date.

CTSI, LLC

Verizon North LLC

By: *Roderick Cameron*
Roderick Cameron (Mar 18, 2021 12:39 EDT)

_____ By: *Rachelle Blevins* _____

Printed: Roderick Cameron

_____ Printed: Rachelle Blevins _____

Title: VP Carrier Services

_____ Title: Contract Management _____

Date: Mar 18, 2021

_____ Date: Mar 18, 2021 _____