



4700 MacCorkle Ave. S.E.
Charleston, WV 25304
304-356-3395

October 12, 2017

Department of Administration
Purchasing Division
2019 Washington St E
Charleston, WV 25305

Attention: Mark Atkins
RE: DOT1800000016

10/12/17 10:22:52
WV Purchasing Division

Dear Mr. Atkins:

Verizon is pleased to submit its proposal for Structured Cabling in response to RFQ DOT1800000016.

Verizon is the undisputed network leader. In wireless, we offer the largest 4G LTE network in America and the nation's largest high-speed 3G network. For large businesses, Verizon is a global IP leader, operating one of the worlds' most connected public Internet backbone networks, delivering solutions that let customers securely connect, communicate and collaborate around the globe.

Verizon uses this power of integrated assets to create unique solutions that empower customers to personalize their communications to meet their particular needs. These customized solutions include cloud services, energy management, smart communities, connected homes, telemedicine, work-at-home applications and mobile commerce – just to name a few.

Verizon commits to provide the services as described in this Proposal. I also give my personal commitment of service to the State of West Virginia. I look forward to continuing our business relationship and building an even stronger partnership with the State of West Virginia.

Sincerely,

Sandra Hawkins
Senior Account Manager
Authorized Contact
Verizon
304-356-3395
sandra.k.hawkins@verizon.com

NATURE OF PROPOSAL

This RFQ response is submitted to the West Virginia Purchasing Division on behalf of WVDOT, WVDOH – District Three (referred to herein as “Customer”) by Verizon Business Network Services Inc. on behalf of its affiliate Verizon Select Services Inc. (referred to herein as “Verizon”). Verizon does not take exception to any of the RFQ’s terms and conditions. However, Verizon does not consider this RFQ response as legally binding to provide the services until all documents herein have been mutually accepted and signed by both parties. In addition, as permitted in the RFQ and the WV Purchasing Division's Procedures Handbook, Section 7.2.19, Verizon also submits additional industry-specific terms and conditions reflected in Verizon's Service Agreement, which is incorporated and included in Verizon's response. Verizon is also willing to sign a WV-96 Agreement Addendum and understands Verizon's additional terms and conditions are in the last order of precedence and shall not supersede the RFQ and WV-96 terms and conditions where a conflict arises.



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 09 - Construction

Proc Folder: 358930

Doc Description: ADDENDUM_3: STRUCTURED CABLING - DISTRICT 3 (DOT63180003)

Proc Type: Central Purchase Order

Date issued	Solicitation Closes	Solicitation No	Version
2017-10-04	2017-10-12 13:30:00	CRFQ 0803 DOT1800000016	4

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

Verizon Business Network Services Inc., on behalf of Verizon Select Services Inc.
 4700 MacCorkle Av., Charleston, WV 25304
 304-356-3395

FOR INFORMATION CONTACT THE BUYER

Mark A. Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Signature X

FEIN # 16-1337624

DATE

10/5/17

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

ADDENDUM 3 is issued for the following:

1. To move the bid opening date from 10/10/2017 to 10/12/2017 at 1:30pm EST.
2. To publish the Agency responses to the questions submitted by Vendors during the Technical Questioning period.
3. To publish additional attachments to modify and/or clarify specifications.

No other changes made.

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Department of Transportation (WV DOT), the West Virginia Division of Highways (WVDOT, District Three (D-3), to establish a contract for the following:
 The installation of structured cabling pathways and spaces systems. The Vendor shall furnish all materials, labor, and equipment necessary to complete all Construction Services per attached documents.

This work will be performed in WVDOT District 3 which is made up of Calhoun, Jackson, Pleasants, Ritchie, Roane, Wirt, and Wood Counties. It will include the Dist. HQ Complex, all County HQ facilities, and all Substations.

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS INFORMATION SERVICE DIVISION 1900 KANAWHA BLVD E, BLDG 5 RM 920 CHARLESTON WV 25305-0430 US		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV 99999 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Vendor shall use Exhibit_A Pricing Page(s) for bid pricing.	0.00000			

Comm Code	Manufacturer	Specification	Model #
83111601			

Extended Description :

TO PROVIDE STURCTURED CABLING NETWORK DISTRIBUTION SYSTEM, INSTALLATION, TESTING & ACCEPTANCE: LUMP SUM:

Note: Vendor shall use Exhibit_A Pricing Page(s) for bid pricing.

If vendor is submitting a bid online, Vendor should enter \$0.00 in the Oasis commodity line.

Vendor shall enter pricing into the Exhibit_A Excel page and must attach with bid.

See section 18 of Instructions to Bidders.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Mandatory Pre-Bid Meeting @ 10:00am EST	2017-08-31
2	Technical Questions due by:	2017-09-07

SOLICITATION NUMBER: CRFQ 0803 DOT1800000016
Addendum Number: 3

The purpose of this addendum is to modify the solicitation identified as CRFQ 0803 DOT1800000016 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought with additional attachments.
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

1. To move the bid opening date from 10/10/2017 to 10/12/2017 at 1:30pm EST.
2. To publish the Agency responses to the questions submitted by Vendors during the Technical Questioning period.
3. To publish additional attachments to modify and/or clarify specifications.

No other changes made.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

Attachments for Addendum_3 CRFQ 0803 DOT1800000016

Table of Contents - this document lists all the documents and the file names associated with all the files contained in this Addendum. NOTE: there are a total of 8 Attachments, 2 single documents and 6 ZIP files.

ADDITIONAL DOCUMENTS:

Technical Question response from Agency to Vendors.

NEW EXHIBIT E – MATERIALS LIST

ATTACHMENT A 1 of 6.ZIP

Dist. 3 HQ SITE PHOTOS

D-3 Complex_GE_033114

D-3 FiberHQ2EquipShp_1

D-3 FiberHQ2EquipShp_2

D-3 FiberHQ2MatsOffice-(1) 040914

D-3 FiberHQ2MatsOffice-(2) 041614

D-3 FiberHQ2MatsOffice-(3) 041614

D-3 AddnlBldgs_042314

D-3_EquipOff_042114

D-3 Fiber-EqOff2EqShp_lbl_040814

D-3_HQ-1st Flr_041516

D-3_HQ-2ndFlr_041614

D-3_HQ-Bsmt Flr_041614

D-3_MtrlsLab_042114

D-3_MtrlsOffice_041714

ATTACHMENT B 2 of 6.ZIP

PDF FIRE PLANS

Fire Plans – 1st Floor D3

Fire Plans – 2nd Floor D3

Fire Plans – Basement D3

ATTACHMENT C 3 of 6.ZIP

VISO DIAGRAM

D-3 Cmplx-Fbr-Lbl-051917

D-3 DOT-D3Hq_Network_083117_rww

ATTACHMENT D 1_4 of 6.ZIP

EXAMPLES

- 1) TER_examples
 - a) exmpl_Cop PchBlk Lbl
 - b) exmpl_CopSlak
 - c) exmpl_FibSlak exmpl
 - d) Rck Bk Cbl Lbl
 - e) exmpl_Rck Frt Gi Fib
 - f) exmpl_Rck Frt Lbls
 - g) exmpl_UPS SNMP Inst

ATTACHMENT D 2_5 of 6.ZIP

- 2) TstRslts_exmpl
 - a) exmpl_COHQ Taylor Cty_TstRslts
 - b) exmpl_DMV_TstRslts
 - c) exmpl_SUB Coridor D Sec 2 (Tunnel Hill)_TstRslts

ATTACHMENT D_3 6 of 6.ZIP

- 3) 3_AsBlt_exmpl
 - a) exmpl_COHQ Taylor Cty Admin_AsBlt
 - b) exmpl_COHQ Taylor Cty Maint Sp_AsBlt
 - c) exmpl_DMV_AsBlt
 - d) exmpl_HQ Admin Bldg 1st Flr MDF_AsBl
 - e) exmpl_HQ Admin Bldg 1st Flr_AsBlt
 - f) exmpl_Site Map Burlington WV_AsBlt
 - g) exmpl_Subs Tunnel Hill_AsBlt

- 1) Will the drawings and layouts discussed by Mr. Wickert be made available to the bidding contractors?
 - A. Yes, see Attachment A, B and C. The sketches and floor plans are included in this addendum.

- 2) Who will be responsible for obtaining or updating the Pole License Agreement with the Pole Owner for the aerial fiber run from the Equipment Office to the Equipment Shop?
 - A. Section 4 – General Terms & Conditions, requires the vendor to have on staff a BICSI RCDD with OSP (Outside Plant) Specialty. This credentialed employee will have the training, knowledge, and experience to obtain or update all necessary pole attachment agreements, right of way crossing permissions, and/or any other permits as required. Section – 10 General Terms & Conditions, the vendor shall obtain or update all necessary pole attachment agreements, right of way crossing permissions, and/or any other permits as required in the name of the State of WV Dept. of Highways.

- 3) Who will be responsible for obtaining or updating the “Right of Way” over the railroad tracks between the Equipment Office and the Equipment Shop?
 - A. Section 4, - General Terms & Conditions, requires the vendor to have on staff a BICSI RCDD with OSP (Outside Plant) Specialty. This credentialed employee will have the training, knowledge, and experience to obtain or update all necessary pole attachment agreements, right of way crossing permissions, and/or any other permits as required. Section 10 – General Terms & Conditions, the vendor shall obtain or update all necessary pole attachment agreements, right of way crossing permissions, and/or any other permits as required in the name of the State of WV Dept. of Highways.

- 4) Is it acceptable to provide a new Wireless Bridge alternate to the fiber connection from the District HQ Building to the Materials Lab?
 - A. Refer to Section 2.3.1 – Project Plans. No, the DOH is providing a utility pole beside the street entrance to the parking lot for an aerial attachment from the HQ Building and will trench and bury a 2” conduit from the pole across the street, the Materials parking lot and to the Materials Lab Building for the vendor to install the fiber in.
 - B. Refer to Attachment A.

- 5) If the fiber optic backbone from the District HQ Building is still being considered who will be responsible for the aerial right of ways crossing the street?
 - A. The street portion of this run will be buried. The State of WV owns the street. Refer to response for question 4.

- 6) An existing PVC conduit was identified on the walk through coming out of the second floor of the Equipment Office and going under the parking lot. We were told that it was either going to the Nelson Building or the District HQ Building. Which of these building was this connecting?
 - A. Refer to Section 2.5, the fiber is run through a conduit that runs from the Administration Building to the Equipment Office Building.

- 7) Will drawings ("Red Line") be provided that show all existing paths of the current fiber and/or existing conduits between buildings?
- A. Refer to Section 10.4.1.1, the conduits and fiber runs have been in place for 15+ years. To date, we have not been able to find anyone who knows the exact routes the conduits take. Functional sketches are being provided for reference only. As part of this RFQ as-built drawings will be created by the vendor so that the State will have these conduits documented.

RFQ Specification Revision:

From:

10.4.1.1. Prior to final acceptance, the contractor is to submit to the WVDOT marked up drawings (As-Built) reflecting the work as constructed. The drawings shall be digitally submitted on a CDROM in both AutoCAD and PDF format.

To:

10.4.1.1. Prior to final acceptance, the contractor is to submit to the WVDOT marked up drawings (As-Built) reflecting the work as constructed. The drawings shall be 2 (two) paper copy's and 1 (one) digitally submitted on a CDROM in both AutoCAD and PDF format.

- 8) If existing pole paths are in violation of NEC and Pole License Agreement, who is responsible for correcting the issues, paperwork and possible fines?
- A. Section 4 – General Terms & Conditions requires the vendor to have on staff a BICSI RCDD with OSP (Outside Plant) Specialty. This credentialed employee will have the training, knowledge, and experience to obtain or update all necessary pole attachment agreements, right of way crossing permissions, and/or any other permits as required. Section 10 – General Terms & Conditions, the vendor shall obtain or update all necessary pole attachment agreements, right of way crossing permissions, and/or any other permits as required in the name of the State of WV Dept. of Highways.
- B. Any fines shall be brought to the attention of the WVDOT Project Representative and the WVOT Project Manager immediately.
- 9) Is there a project schedule for this or list of priority locations that will be addressed first?
- A. The District HQ should be the first location due to the complexity of the install.
- 10) What is the estimated timeline for this project?
- A. The RFQ provides for 300 working days for completion.

11) The RFQ Specifications describes Wire Management; the Exhibit C lists the number of equipment rooms and racks in each building. Does the State of WV require the vendor to install cable management panel, vertical and horizontal, for this project?

A. Vertical cable management shall at a minimum be on one side of all mounting racks. One 2u horizontal cable manager shall be placed above and below each 2u 48 port patch panel and each network switch. Refer to Attachment D.

12) The RFQ Exhibit C lists the number of equipment rooms and racks in each building. Does the State of WV require the vendor to install overhead runway and associated accessories for this project?

A. Yes. As possible and necessary.

13) The RFQ Specifications describes UPS Equipment; the Exhibit C lists the number of equipment rooms and racks in each building. Does the State of WV require the vendor to install UPS Equipment and associated support software/hardware in each equipment room for this project?

A. Yes.

RFQ Specification Revision:

Remove Exhibit D this is a duplicated document. Add new document, Exhibit E – Materials List.

14) The RFQ Specifications describes patch cables; the Exhibit C lists the number of jacks in each building. Does the State of WV require the vendor to provide patch cables for both ends of each cable run for this project? If so, in what lengths?

A. Refer new Exhibit E – Materials List added in this addendum and Exhibit C – Locations for patch cable per location and total amounts.

15) Does this RFQ include the demo of the replaced cabling in each building?

A. The National Electric Code (NEC) requires that all abandoned copper and fiber cable be removed. Abandoned cable is identified as a cable that is not terminated at equipment and not identified for future use with a tag [725.2, 760.2, 770.2, 800.2, and 820.2] and the NEC does require the accessible portion of abandoned to be removed [725.3(B), 760.3(B), 770.3(A), 800.52(B), and 820.3(A)]

The following requirements have been added to the RFQ Specifications.

Scope of Work at District HQ, County HQ, and Substations

2.1. Construction Satellite Office to the Sign Shop

- 2.1.1. Install 1 (one) 12 (twelve) strand indoor / outdoor single mode fiber from the Construction Satellite Telecom Room to the Sign Shop Telecom Room.

2.2. District Headquarters Scope of Work at each location

- 2.2.1. Installation of the designated number of Cat-6 Jacks as required at each HQ building.
- 2.2.2. Installation of a WAP location dual Cat-6 cable drop and an outlet located on an exterior wall location of the building per DOT direction. Generally, this location is in the building nearest the truck entrance to the salt pile. Place a 1" core/sleeve on the exterior wall so that a WAP or Antenna cable can be extended by others.
- 2.2.3. Install Patch Panel(s) and Wire Manager(s) on the equipment rack.
- 2.2.4. Install a wall mounted shelf on the equipment rack for future equipment.
- 2.2.5. Install UPS, with installed SNMP Card, in the closet/space near the panel for others to install with future equipment.
- 2.2.6. Use PVC Wire mold as necessary.
- 2.2.7. Create a basic floor plan with jack locations and labels to serve as an As-built. Use fire escape route if available.
- 2.2.8. Label all cables, outlets, and panels.
- 2.2.9. Vertical cable management shall at a minimum be on one side of all mounting racks. One 2u horizontal cable manager shall be placed above and below each 2u 48 port patch panel and each network switch.
- 2.2.10. Install TGB {HAGER - 1/4" X 2" X 12" TGB KIT}
- 2.2.11. Install 1 (one) run of outdoor rated Cat 6 cable from the Equipment Office data space to the Nelson Building data space. It will be run along with the fiber between these same locations.

2.3. County Headquarters Scope of Work at each location.

- 2.3.1. Installation of the designated number of Cat-6 Jacks as required at each County Office.
- 2.3.2. Installation of a WAP location dual Cat-6 cable drop and an outlet located on an exterior wall location of the building per DOT direction. Generally, this location is in the building nearest the truck entrance to the salt pile. Place a 1" core/sleeve on the exterior wall so that a WAP or Antenna cable can be extended by others.
- 2.3.3. Install Patch Panel(s) and Wire Manager(s) on the wall with a wall mount swing bracket. If a rack is present or required, use the equipment rack instead.
- 2.3.4. Install a wall mounted shelf under the patch panel for future equipment.

- 2.3.5. Install UPS, with installed SNMP Card, in the closet/space near the panel for others to install with future equipment.
 - 2.3.6. Use PVC Wire mold as necessary.
 - 2.3.7. Create a basic floor plan with jack locations and labels to serve as an As-built. Use fire escape route if available.
 - 2.3.8. Label all cables, outlets, and panels.
 - 2.3.9. Vertical cable management shall at a minimum be on one side of all mounting racks. One 2u horizontal cable manager shall be placed above and below each 2u 48 port patch panel and each network switch.
 - 2.3.10. Install TGB {HAGER - 1/4" X 2" X 12" TGB KIT}
- 2.4. Sub-Stations Scope of Work at each location.**
- 2.4.1. Installation of the designated number of Cat-6 Jacks as required at each Sub-Station.
 - 2.4.2. Installation of a WAP location dual Cat-6 cable drop and an outlet located on an exterior wall location of the building per DOT direction. Generally, this location is in the building nearest the truck entrance to the salt pile. Place a 1" core/sleeve on the exterior wall so that a WAP or Antenna cable can be extended by others.
 - 2.4.3. Install Patch Panel and Wire Manager on the wall with a wall mount swing bracket.
 - 2.4.4. Install a wall mounted shelf under the patch panel for future equipment.
 - 2.4.5. Install UPS, with installed SNMP Card, in the closet/space near the panel for others to install with future equipment.
 - 2.4.6. Use PVC Wire mold as necessary.
 - 2.4.7. Create a basic floor plan with jack locations and labels to serve as an As-built. Use fire escape route if available.
 - 2.4.8. Label all cables, outlets, and panels.
 - 2.4.9. Vertical cable management shall at a minimum be on one side of all mounting racks. One 2u horizontal cable manager shall be placed above and below each 2u 48 port patch panel and each network switch.
 - 2.4.10. Install TGB {HAGER - 1/4" X 2" X 12" TGB KIT}

MATERIALS LIST - Exhibit E

WV State Department of Transportation District 3 HQ with Cty HQ's and Substations

The use of brand name or equal specifications is for describing the minimum standard of quality, technical performance and installation characteristics required and are not intended to limit or restrict competition.

PART NUMBER	DESCRIPTION	UNIT	QUANTITY
12419-736	Chatsworth - 36" Wall Mount Cabinet _ OR EQUAL	Each	14
12804-701	Chatsworth - Fan Kit, 115 VAC, 100 CFM _ OR EQUAL	Each	14
57014-703	Chatsworth Velocity Standard Pack _ OR EQUAL	Pack	6
760072959	CommScope 2U SS Horizontal Trough Kit	Each	36
UC1BBB2-0ZF005	CommScope Uniprise UNC-BL-5FT Modular Patch Cable 5FT Blue _ OR EQUAL	Each	740
UC1BBB2-0ZF010	CommScope Uniprise UNC-BL-10FT Modular Patch Cable 10FT Blue _ OR EQUAL	Each	578
UC1BBB2-0ZF014	CommScope Uniprise UNC-BL-14FT Modular Patch Cable 14FT Blue _ OR EQUAL	Each	93
UNJ600-BL	CommScope Uniprise Cat6 Info Outlet, Blue _ OR EQUAL	Each	740
UNP-U-610-2U-48	CommScope Uniprise Cat6 Patch Panel, 48 Port _ OR EQUAL	Each	20
UNP-U-610-1U-24	CommScope Uniprise Cat6 Patch Panel, 24 Port _ OR EQUAL	Each	8
4763214/10	CommScope Uniprise 7504 Category 6 U/UTP Cable, Plenum, 1000ft _ OR EQUAL	Each	130
760008888	CommScope GigaSPEED® XL 1571 Category 6 U/UTP Cable, outdoor, black 1000ft _ OR EQUAL	Each	6
760106880	CommScope 12 Strand Fiber Singlemode I/O Plenum (12 SM) _ OR EQUAL	Feet	6000
760109496	CommScope 360G2 Cartridge 12 LC TeraSPEED, Blue w/Pigtails _ OR EQUAL	Each	16
760193771	CommScope 360G2-1U-MOD-SD _ OR EQUAL	Each	9
760039867	CommScope RS-2AF-16SF RoloSplice Kit E/W 2x Fusion Splice Tray 1U Shelf _ OR EQUAL	Each	16
FEW LCLC42-MXF003	CommScope 3 FOOT - LC/LC Jumper Cable - SM _ OR EQUAL	Each	15
FEW LCLC42-MXF007	CommScope 7 FOOT - LC/LC Jumper Cable - SM _ OR EQUAL	Each	10
RCURN082	GEIST - 102D20ST5-OD Switched Ultra PDU _ OR EQUAL	Each	1
RTAFHD3-12	GEIST - Remote Temperature, Humidity, Air Flow, and Dew Point Sensor, 12' cord _ OR EQUAL	Each	1
GBI14420TMGBKT	HAGER 1/4" X 4" X 20" TMGB KIT _ OR EQUAL	Each	20
RGBHKIT14119.25	HAGER 1/4" X 1" X 19" RACK MOUNT KIT _ OR EQUAL	Each	20
SU1000RTXL2UA	TrippLite SmartOnline 1kVA Dble-Conversion UPS, 100/110/120V NEMA outlets _ OR EQUAL	Each	25
SNMPWEBCARD	TrippLite SNMP, Web or Telnet _ OR EQUAL	Each	25
BP24V15RT2U	TrippLite External Battery Pack for UPS System _ OR EQUAL	Each	1
BP24V70-3U	TrippLite External Battery Pack for UPS System _ OR EQUAL	Each	1
2-9USTAND	TrippLite Convert- UPS + BP- Rackmount to a Tower Mount _ OR EQUAL	Each	25
ENVIROSENSE	TrippLite Environmental Sensor for use with Tripp Lite SNMPWEBCARD _ OR EQUAL	Each	19

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFO 0803 DOT1800000016

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Verizon Business Network Services Inc., on behalf of

Verizon Select Services Inc.

Company



Authorized Signature

10/5/17

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

Corporate Policy Statement

Policy No.: CPS-103
Issued: December 6, 2010
Subject: Authority to Approve Transactions



APPENDIX 4
VERIZON BUSINESS
CPS 103 LETTER OF DELEGATION OF AUTHORITY
FORM 101

Within the authority granted to me in CPS -103, "Authority to Approve Transactions," I delegate

Patricia L Myers, Manager, Contract Management [redacted];
Marsha K Harrell, Senior Analyst, Contract Management [redacted]; and
Jacquallynn A Whiting, Director, Pricing & Contract Management [redacted]

the authority to perform the following function:

Execute and deliver Verizon Business Customer Contracts and Proposals requiring "wet ink" signatures, including any and all ancillary documents and amendments related thereto, that are duly approved in accordance with then-applicable Verizon Business corporate policies, including the use of stamp bearing facsimile of my signature in accordance with Security Procedure for Anthony Recine, SVP & CMO, Blue Ink Stamp Policy.

This will be effective beginning on July 1, 2017 and ending on June 30, 2018 or before if rescinded by me.

(Annual delegations must be completed by July 1st of each respective year and may not exceed one year from their effective date. Delegations with a start date other than July 1st should also include an end date of the subsequent June 30 or earlier.)

Distribution:

- o The person delegated authority must retain a copy of Form 101 delegation, either electronic or hard copy, for one (1) year after expiration date.
- o The person granting the delegation must retain the Form 101 delegation, either electronic or hard copy, for one (1) year after expiration date; send a copy to the delegate, the group Chief Financial Officer, and Corporate Finance Compliance at corporatefinancecompliance@core.verizon.com; and ensure the delegation is entered into the Accounts Payable system when appropriate

Approved By:

Anthony Recine 6/17/17
Signature Date

Anthony Recine [redacted]
Name VZ ID

SVP & CMO (Band 4)

[redacted]
Responsibility Code or Cost Center Code

J. Whiting 6/13/17
Delegate's Signature Jacquallynn A Whiting

Patricia L Myers 6/16/17
Delegate's Signature Patricia L Myers

Marsha K Harrell 6/13/17
Delegate's Signature Marsha K Harrell



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 09 - Construction

Proc Folder: 358930

Doc Description: ADDENDUM_2: STRUCTURED CABLING - DISTRICT 3 (DOT63180003)

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2017-09-25	2017-10-10 13:30:00	CRFQ 0803 DOT1800000016	3

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

Verizon Business Network Services Inc., on behalf of Verizon Select Services Inc
 4700 MacCorkle Av SE., Charleston, WV 25304
 304-356-3395

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Signature X *Marsha K Harrell* FEIN # 16-1337624 DATE 10/2/17

All offers subject to all terms and conditions contained in this solicitation

Marsha K Harrell
 Senior Analyst
 Contract Management

ADDITIONAL INFORMATION:

ADDENDUM 2 is issued for the following:

1. To move the bid opening date from 09/27/2017 to 10/10/2017 at 1:30pm EST to allow the Agency additional time to respond to the Technical Questions submitted by Vendors during the Technical Questioning period.

No other changes made.

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The installation of structured cabling pathways and spaces systems. The Vendor shall furnish all materials, labor, and equipment necessary to complete all Construction Services per attached documents.

This work will be performed in WVDOH District 3 which is made up of Calhoun, Jackson, Pleasants, Ritchie, Roane, Wirt, and Wood Counties. It will include the Dist. HQ Complex, all County HQ facilities, and all Substations.

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS INFORMATION SERVICE DIVISION 1900 KANAWHA BLVD E, BLDG 5 RM 920 CHARLESTON WV25305-0430 US		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV 99999 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Vendor shall use Exhibit_A Pricing Page(s) for bid pricing.	0.00000			

Comm Code	Manufacturer	Specification	Model #
83111601			

Extended Description :

TO PROVIDE STURCTURED CABLING NETWORK DISTRIBUTION SYSTEM, INSTALLATION, TESTING & ACCEPTANCE: LUMP SUM:

Note: Vendor shall use Exhibit_A Pricing Page(s) for bid pricing.

If vendor is submitting a bid online, Vendor should enter \$0.00 in the Oasis commodity line.

Vendor shall enter pricing into the Exhibit_A Excel page and must attach with bid.

See section 18 of Instructions to Bidders.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Mandatory Pre-Bid Meeting @ 10:00am EST	2017-08-31
2	Technical Questions due by:	2017-09-07

SOLICITATION NUMBER: CRFQ 0803 DOT1800000016

Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as CRFQ 0803 DOT1800000016 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

1. To move the bid opening date from 09/27/2017 to 10/10/2017 at 1:30pm EST to allow the Agency additional time to respond to the Technical Questions submitted by Vendors during the Technical Questioning period.

No other changes made.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ 0803 DOT1800000016

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Verizon Business Network Services Inc on behalf of

Verizon Select Services Inc

Company

Marsha K. Harrell

Authorized Signature

Marsha K Harrell
Senior Analyst
Contract Management

Date

10/2/17

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 09 - Construction

Proc Folder: 358930

Doc Description: ADDENDUM_1: STRUCTURED CABLING - DISTRICT 3 (DOT63180003)

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2017-09-12	2017-09-27 13:30:00	CRFQ 0803 DOT1800000016	2

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

Verizon Business Network Services Inc., on behalf of Verizon Select Services Inc.
 4700 MacCorkle Av SE., Charleston, WV 25304
 304-356-3395

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Signature X

Marsha K Harrell

FEIN # 16-1337624

DATE

10/2/17

All offers subject to all terms and conditions contained in this solicitation

Marsha K Harrell
 Senior Analyst
 Contract Management

ADDITIONAL INFORMATION:

ADDENDUM_1 Is issued for the following:

1. To move the bid opening date from 09/20/2017 to 09/27/2017 at 1:30pm EST.
2. To publish the pre-bid sign-in sheets.

No other changes made.

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Department of Transportation (WVDOT), the West Virginia Division of Highways (WVDOH, District Three (D-3), to establish a contract for the following:
The installation of structured cabling pathways and spaces systems. The Vendor shall furnish all materials, labor, and equipment necessary to complete all Construction Services per attached documents.

This work will be performed in WVDOH District 3 which is made up of Calhoun, Jackson, Pleasants, Ritchie, Roane, Wirt, and Wood Counties. It will include the Dist. HQ Complex, all County HQ facilities, and all Substations.

INVOICE TO	SHIP TO
DIVISION OF HIGHWAYS INFORMATION SERVICE DIVISION 1900 KANAWHA BLVD E, BLDG 5 RM 920 CHARLESTON WV25305-0430 US	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Vendor shall use Exhibit_A Pricing Page(s) for bid pricing.	0.00000			

Comm Code	Manufacturer	Specification	Model #
83111601			

Extended Description :

TO PROVIDE STURCTURED CABLING NETWORK DISTRIBUTION SYSTEM, INSTALLATION, TESTING & ACCEPTANCE: LUMP SUM:

Note: Vendor shall use Exhibit_A Pricing Page(s) for bid pricing.

If vendor is submitting a bid online, Vendor should enter \$0.00 in the Oasis commodity line.

Vendor shall enter pricing into the Exhibit_A Excel page and must attach with bid.

See section 18 of Instructions to Bidders.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Mandatory Pre-Bid Meeting @ 10:00am EST	2017-08-31
2	Technical Questions due by:	2017-09-07

SOLICITATION NUMBER: CRFQ 0803 DOT1800000016
Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as CRFQ 0803 DOT1800000016 (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

1. To move the bid opening date from 09/20/2017 to 09/27/2017 at 1:30pm EST.
2. To publish the pre-bid sign-in sheets.

No other changes made.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

SIGN IN SHEET

Page 1 of

Date: 8/31/17

Request for Proposal No. DOT 18*x*16

PLEASE PRINT

• PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: <u>Pomeroy</u>		PHONE <u>(304) 546-2289</u>
Rep: <u>Kent Reed</u>	<u>500 Vestmentan Office Park</u>	TOLL FREE
Email Address: <u>kent.reed@pomeroy.com</u>	<u>Dunbar, WV 25808</u>	FAX <u>(304) 746-4426</u>
Company: <u>Graybar</u>	<u>1614 Young St</u>	PHONE <u>304-206-3600</u>
Rep: <u>Kevin Hypes</u>	<u>Charleston WV 25301</u>	TOLL FREE
Email Address: <u>Kevin.hypes@graybar.com</u>		FAX <u>304-344-2371</u>
Company: <u>Verizon</u>	<u>827 Fairmont Road ^{suite} 204</u>	PHONE <u>304-381-3969</u>
Rep: <u>Lance Host</u>	<u>Morgantown, WV 26501</u>	TOLL FREE
Email Address: <u>lawrence.host@verizon.com</u>		FAX
Company: <u>Mon Valley Technologies</u>	<u>3564 River Road</u>	PHONE <u>304 288-0746</u>
Rep: <u>Bob Bishop</u>	<u>Morgantown, WV 26501</u>	TOLL FREE
Email Address: <u>BBISHOP@MVTECH.US</u>		FAX <u>304 278-7773</u>
Company: _____		PHONE _____
Rep: _____		TOLL FREE
Email Address: _____		FAX _____

SIGN IN SHEET

Page _____ of _____

Request for Proposal No. DOT 18#*#16

PLEASE PRINT

Date: 8/31/17

*** PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD**

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: <u>DOT-Info Services</u>	<u>Bldg 5 Rm 920</u>	PHONE <u>304 558-9525</u>
Rep: <u>Todd M. Intyre</u>	<u>Charleston WV 25305</u>	TOLL FREE
Email Address: <u>todd@dot.wv.gov</u>		FAX
Company: <u>WVOT</u>	<u>Bldg 5 10th Floor</u>	PHONE <u>304-558-8122</u>
Rep: <u>Richard Wickert</u>	<u>Charleston, WV 25305</u>	TOLL FREE <u>304-558-8121</u>
Email Address: <u>Richard.W.Wickert@wv.gov</u>		FAX
Company: <u>WV DOT Info Services</u>	<u>Bldg 5 Rm 920</u>	PHONE <u>304-558-9534</u>
Rep: <u>Kristy James</u>	<u>Charleston, WV 25305</u>	TOLL FREE
Email Address: <u>Kristy.e.james@wv.gov</u>		FAX
Company: _____	_____	PHONE _____
Rep: _____	_____	TOLL FREE _____
Email Address: _____	_____	FAX _____
Company: _____	_____	PHONE _____
Rep: _____	_____	TOLL FREE _____
Email Address: _____	_____	FAX _____

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ 0803 DOT180000016

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Verizon Business Network Services Inc., on
behalf of Verizon Select Services Inc.

Company

Marsha K. Harrell

Authorized Signature

Marsha K Harrell
Senior Analyst
Contract Management

Date

10/2/17

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 09 — Construction

Proc Folder: 358930

Doc Description: STRUCTURED CABLING FOR DISTRICT THREE (DOT63180003)

Proc Type: Central Purchase Order

Date issued	Solicitation Closes	Solicitation No	Version
2017-08-21	2017-09-20 13:30:00	CRFQ 0803 DOT1800000016	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:
 Verizon Business Network Services Inc, on behalf of Verizon Select Services Inc
 4700 MacCorkle Av SE., Charleston, WV 25304
 304-356-3395

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins
 (304) 568-2307
 mark.a.atkins@wv.gov

Signature X *Marsha K. Harrell* FEIN# 16-1337624 DATE 10/2/17

All offers subject to all terms and conditions contained in this solicitation

Marsha K Harrell
 Senior Analyst
 Contract Management

ADDITIONAL INFORMATION:

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Department of Transportation (WVDOT), the West Virginia Division of Highways (WVDOH, District Three (D-3), to establish a contract for the following:
The installation of structured cabling pathways and spaces systems. The Vendor shall furnish all materials, labor, and equipment necessary to complete all Construction Services per attached documents.

This work will be performed in WVDOH District 3 which is made up of Calhoun, Jackson, Pleasants, Ritchie, Roane, Wirt, and Wood Counties. It will include the Dist. HQ Complex, all County HQ facilities, and all Substations.

INVOICE TO	SHIP TO
DIVISION OF HIGHWAYS INFORMATION SERVICE DIVISION 1900 KANAWHA BLVD E, BLDG 5 RM 920 CHARLESTON WV25305-0430 US	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Vendor shall use Exhibit_A Pricing Page(s) for bid pricing.				

Comm Code	Manufacturer	Specification	Model #
83111601			

Extended Description :

TO PROVIDE STURCTURED CABLING NETWORK DISTRIBUTION SYSTEM, INSTALLATION, TESTING & ACCEPTANCE: LUMP SUM:

Note: Vendor shall use Exhibit_A Pricing Page(s) for bid pricing.

If vendor is submitting a bid online, Vendor should enter \$0.00 in the Oasis commodity line.

Vendor shall enter pricing into the Exhibit_A Excel page and must attach with bid.

See section 18 of Instructions to Bidders.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Mandatory Pre-Bid Meeting @ 10:00am EST	2017-08-31
2	Technical Questions due by:	2017-09-07

DOT1800000016	Document Phase Final	Document Description STRUCTURED CABLING FOR DISTRICT THREE (DOT63180003)	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PREBID MEETING: The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening

A **NON-MANDATORY PRE-BID** meeting will be held at the following place and time:

A **MANDATORY PRE-BID** meeting will be held at the following place and time:

August 31, 2017 at 10:00am EST

WVDOH District 3 Headquarters

624 Depot Street

Parkersburg, WV 26101-5127

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one person attending the pre-bid meeting may represent more than one Vendor.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. The State will not accept any other form of proof or documentation to verify attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: **September 07, 2017**

Submit Questions to: Mark Atkins, Senior Buyer
2019 Washington Street, East
Charleston, WV 25305
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)
Email: Mark.A.Atkins@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID: Structured Cabling D-3
BUYER: Mark Atkins, File#33
SOLICITATION NO.: CRFQ 0803 DOT1800000016
BID OPENING DATE: 09/20/2017
BID OPENING TIME: 1:30pm EST
FAX NUMBER: 304-558-3970

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to an Expression or Interest or Request for Proposal is not permitted in wvOASIS.

For Request For Proposal ("RFP") Responses Only: In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus N/A convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)

- Technical
 Cost

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: **September 20, 2017 @ 1:30pm EST**

Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATES: Any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

13. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

14. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

15. PREFERENCE: Vendor Preference may only be granted upon written request and only in accordance with the West Virginia Code § 5A-3-37 and the West Virginia Code of State Rules. A Vendor Preference Certificate form has been attached hereto to allow Vendor to apply for the preference. Vendor's failure to submit the Vendor Preference Certificate form with its bid will result in denial of Vendor Preference. Vendor Preference does not apply to construction projects.

16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

19. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform, or lacks the integrity and reliability to assure good-faith performance.”

20. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b.”

21. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

22. INTERESTED PARTY DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$100,000, the vendor must submit to the Purchasing Division a disclosure of interested parties to the contract, prior to contract award. That disclosure must occur on the form prescribed and approved by the WV Ethics Commission. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. "Interested parties" means: (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors; (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract; and (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency: Provided, That subdivision (2) shall be inapplicable if a business entity is a publicly traded company: Provided, however, That subdivision (3) shall not include persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

Term Contract

Initial Contract Term: This Contract becomes effective on _____ and extends for a period of _____ year(s).

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Renewal of this Contract is limited to _____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed _____ months in total. Automatic renewal of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases. Attorney General approval may be required for vendor terms and conditions.

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

Fixed Period Contract: This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within 300 working days.

Fixed Period Contract with Renewals: This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days.

Upon completion, the vendor agrees that maintenance, monitoring, or warranty services will be provided for one year thereafter with an additional _____ successive one year renewal periods or multiple renewal periods of less than one year provided that the multiple renewal periods do not exceed _____ months in total. Automatic renewal of this Contract is prohibited.

One Time Purchase: The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

Other: See attached.

4. NOTICE TO PROCEED: Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

Open End Contract: Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

Service: The scope of the service to be provided will be more clearly defined in the specifications included herewith.

Combined Service and Goods: The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

One Time Purchase: This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

BID BOND (Construction Only): Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

PERFORMANCE BOND: The apparent successful Vendor shall provide a performance bond in the amount of 100% of bid amount. The performance bond must be received by the Purchasing Division prior to Contract award. On construction contracts, the performance bond must be 100% of the Contract value.

LABOR/MATERIAL PAYMENT BOND: The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable. Notwithstanding the foregoing, West Virginia Code § 5-22-1 (d) mandates that a vendor provide a performance and labor/material payment bond for construction projects. Accordingly, substitutions for the performance and labor/material payment bonds for construction projects is not permitted.

MAINTENANCE BOND: The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

LICENSE(S) / CERTIFICATIONS / PERMITS: In addition to anything required under the Section entitled Licensing, of the General Terms and Conditions, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

BICSI-RCDD with OSP outside plant designation

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below prior to Contract award. Subsequent to contract award, and prior to the insurance expiration date, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies mandated herein, including but not limited to, policy cancelation, policy reduction, or change in insurers. The insurance coverages identified below must be maintained throughout the life of this contract. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed in this section.

Vendor must maintain:

Commercial General Liability Insurance in at least an amount of:

\$1,000,000.00 _____

Automobile Liability Insurance in at least an amount of: \$500,000.00 _____

Professional/Malpractice/Errors and Omission Insurance in at least an amount of:

Commercial Crime and Third Party Fidelity Insurance in an amount of:

Cyber Liability Insurance in an amount of: _____

Builders Risk Insurance in an amount equal to 100% of the amount of the Contract.

9. WORKERS' COMPENSATION INSURANCE: The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. LITIGATION BOND: The Director reserves the right to require any Vendor that files a protest of an award to submit a litigation bond in the amount equal to one percent of the lowest bid submitted or \$5,000, whichever is greater. The entire amount of the bond shall be forfeited if the hearing officer determines that the protest was filed for frivolous or improper purpose, including but not limited to, the purpose of harassing, causing unnecessary delay, or needless expense for the Agency. All litigation bonds shall be made payable to the Purchasing Division. In lieu of a bond, the protester may submit a cashier's check or certified check payable to the Purchasing Division. Cashier's or certified checks will be deposited with and held by the State Treasurer's office. If it is determined that the protest has not been filed for frivolous or improper purpose, the bond or deposit shall be returned in its entirety.

11. LIQUIDATED DAMAGES: Vendor shall pay liquidated damages in the amount of

_____ for _____

This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification.

14. PAYMENT: Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.

15. PURCHASING CARD ACCEPTANCE: The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card for payment of all orders under this Contract unless the box below is checked.

Vendor is not required to accept the State of West Virginia's Purchasing Card as payment for all goods and services.

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-6.1.e.

20. TIME: Time is of the essence with regard to all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments. Notwithstanding the foregoing, Purchasing Division approval may or may not be required on certain agency delegated or exempt purchases.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. BANKRUPTCY: In the event the Vendor files for bankruptcy protection, the State of West Virginia may deem this Contract null and void, and terminate this Contract without notice.

31. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

32. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

33. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

34. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

35. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

36. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

37. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

38. PURCHASING AFFIDAVIT: In accordance with West Virginia Code § 5-22-1(i), the contracting public entity shall not award a contract for a construction project to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees. Accordingly, prior to contract award, Vendors are required to sign, notarize, and submit the Purchasing Affidavit to the Purchasing Division affirming under oath that it is not in default on any monetary obligation owed to the state or a political subdivision of the state.

39. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE: This Contract may be utilized by other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts (“Other Government Entities”). Any extension of this Contract to the aforementioned Other Government Entities must be on the same prices, terms, and conditions as those offered and agreed to in this Contract, provided that such extension is in compliance with the applicable laws, rules, and ordinances of the Other Government Entity. If the Vendor does not wish to extend the prices, terms, and conditions of its bid and subsequent contract to the Other Government Entities, the Vendor must clearly indicate such refusal in its bid. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.

40. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

41. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.requisitions@wv.gov.

42. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision. The State reserves the right to prohibit a service provider’s employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

43. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.

b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:

c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or

d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

44. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

45. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$100,000, the vendor must submit to the Agency a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-award interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. "Interested parties" means: (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors; (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract; and (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency: Provided, That subdivision (2) shall be inapplicable if a business entity is a publicly traded company: Provided, however, That subdivision (3) shall not include persons or business entities performing legal services related to the negotiation or drafting of the applicable contract. The Agency shall submit a copy of the disclosure to the Ethics Commission within 15 days after receiving the supplemental disclosure of interested parties.

ADDITIONAL TERMS AND CONDITIONS (Construction Contracts Only)

1. CONTRACTOR'S LICENSE: West Virginia Code § 21-11-2 requires that all persons desiring to perform contracting work in this state be licensed. The West Virginia Contractors Licensing Board is empowered to issue the contractor's license. Applications for a contractor's license may be made by contacting the West Virginia Division of Labor. West Virginia Code § 21-11-11 requires any prospective Vendor to include the contractor's license number on its bid. If an apparent low bidder fails to submit a license number in accordance with this section, the Purchasing Division will promptly request by telephone and electronic mail that the low bidder and the second low bidder provide the license number within one business day of the request. Failure of the bidder to provide the license number within one business day of receiving the request shall result in disqualification of the bid. Vendors should include a contractor's license number in the space provided below.

Contractor's Name: Verizon Select Services Inc

Contractor's License No.: WV- 037918

The apparent successful Vendor must furnish a copy of its contractor's license prior to the issuance of a contract award document.

2. DRUG-FREE WORKPLACE AFFIDAVIT: W. Va. Code § 21-1D-5 provides that any solicitation for a public improvement contract requires each Vendor that submits a bid for the work to submit an affidavit that the Vendor has a written plan for a drug-free workplace policy. If the affidavit is not submitted with the bid submission, the Purchasing Division shall promptly request by telephone and electronic mail that the low bidder and second low bidder provide the affidavit within one business day of the request. Failure to submit the affidavit within one business day of receiving the request shall result in disqualification of the bid. To comply with this law, Vendor should complete the enclosed drug-free workplace affidavit and submit the same with its bid. Failure to submit the signed and notarized drugfree workplace affidavit or a similar affidavit that fully complies with the requirements of the applicable code, within one business day of being requested to do so shall result in disqualification of Vendor's bid. Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

2.1. DRUG-FREE WORKPLACE POLICY: Pursuant to W. Va. Code § 21-1D-4, Vendor and its subcontractors must implement and maintain a written drug-free workplace policy that complies with said article. The awarding public authority shall cancel this contract if: (1) Vendor fails to implement and maintain a written drug-free workplace policy described in the preceding paragraph, (2) Vendor fails to provide information regarding implementation of its drug-free workplace policy at the request of the public authority; or (3) Vendor provides to the public authority false information regarding the contractor's drug-free workplace policy.

Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

3. DRUG FREE WORKPLACE REPORT: Pursuant to W. Va. Code § 21-1D-7b, no less than once per year, or upon completion of the project, every contractor shall provide a certified report to the public authority which let the contract. For contracts over \$25,000, the public authority shall be the West Virginia Purchasing Division. For contracts of \$25,000 or less, the public authority shall be the agency issuing the contract. The report shall include:

- (1) Information to show that the education and training service to the requirements of West Virginia Code § 21-1D-5 was provided;
- (2) The name of the laboratory certified by the United States Department of Health and Human Services or its successor that performs the drug tests;
- (3) The average number of employees in connection with the construction on the public improvement;
- (4) Drug test results for the following categories including the number of positive tests and the number of negative tests: (A) Pre-employment and new hires; (B) Reasonable suspicion; (C) Post-accident; and (D) Random.

Vendor should utilize the attached Certified Drug Free Workplace Report Coversheet when submitting the report required hereunder. Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

4. AIA DOCUMENTS: All construction contracts that will be completed in conjunction with architectural services procured under Chapter 5G of the West Virginia Code will be governed by the AIA A101-2007 and A201-2007 or the A107-2007 documents, as amended by the Supplementary Conditions for the State of West Virginia, in addition to the terms and conditions contained herein.

5. GREEN BUILDINGS MINIMUM ENERGY STANDARDS: In accordance with § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July 1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: Provided, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.

6. LOCAL LABOR MARKET HIRING REQUIREMENT: Pursuant to West Virginia Code §21-1C-1 et seq., Employers shall hire at least seventy-five percent of employees for public improvement construction projects from the local labor market, to be rounded off, with at least two employees from outside the local labor market permissible for each employer per project.

Any employer unable to employ the minimum number of employees from the local labor market shall inform the nearest office of the bureau of employment programs' division of employment services of the number of qualified employees needed and provide a job description of the positions to be filled.

If, within three business days following the placing of a job order, the division is unable to refer any qualified job applicants to the employer or refers less qualified job applicants than the number requested, then the division shall issue a waiver to the employer stating the unavailability of applicant and shall permit the employer to fill any positions covered by the waiver from outside the local labor market. The waiver shall be either oral or in writing and shall be issued within the prescribed three days. A waiver certificate shall be sent to both the employer for its permanent project records and to the public authority.

Any employer who violates any provision of this article is subject to a civil penalty of one hundred dollars per day of violation. The West Virginia Division of Labor is responsible for establishing procedures for the collection of civil penalties.

The following terms used in this section have the meaning shown below.

(1) The term "construction project" means any construction, reconstruction, improvement, enlargement, painting, decorating or repair of any public improvement let to contract in an amount equal to or greater than \$500,000. The term "construction project" does not include temporary or emergency repairs;

(2) The term "employee" means any person hired or permitted to perform hourly work for wages by a person, firm or corporation in the construction industry; The term "employee" does not include:(i) Bona fide employees of a public authority or individuals engaged in making temporary or emergency repairs;(ii) Bona fide independent contractors; or(iii) Salaried supervisory personnel necessary to assure efficient execution of the employee's work;

(3) The term "employer" means any person, firm or corporation employing one or more employees on any public improvement and includes all contractors and subcontractors;

(4) The term "local labor market" means every county in West Virginia and any county outside of West

Virginia if any portion of that county is within fifty miles of the border of West Virginia;

(5) The term "public improvement" includes the construction of all buildings, roads, highways, bridges, streets, alleys, sewers, ditches, sewage disposal plants, waterworks, airports and all other structures that may be let to contract by a public authority, excluding improvements funded, in whole or in part, by federal funds.

7. DAVIS-BACON AND RELATED ACT WAGE RATES:

- The work performed under this contract is federally funded in whole, or in part. Pursuant to _____, Vendors are required to pay applicable Davis-Bacon wage rates.
- The work performed under this contract is not subject to Davis-Bacon wage rates.

8. SUBCONTRACTOR LIST SUBMISSION: In accordance with W. Va. Code § 5-22-1, the apparent low bidder on a contract valued at more than \$250,000.00 for the construction, alteration, decoration, painting or improvement of a new or existing building or structure shall submit a list of all subcontractors who will perform more than \$25,000.00 of work on the project including labor and materials. (This section does not apply to any other construction projects, such as highway, mine reclamation, water or sewer projects.) The subcontractor list shall be provided to the Purchasing Division within one business day of the opening of bids for review. If the apparent low bidder fails to submit the subcontractor list, the Purchasing Division shall promptly request by telephone and electronic mail that the low bidder and second low bidder provide the subcontractor list within one business day of the request. Failure to submit the subcontractor list within one business day of receiving the request shall result in disqualification of the bid.

If no subcontractors who will perform more than \$25,000.00 of work are to be used to complete the project, the apparent low bidder must make this clear on the subcontractor list, in the bid itself, or in response to the Purchasing Division's request for the subcontractor list.

a. Required Information. The subcontractor list must contain the following information:

- i. Bidder's name
- ii. Name of each subcontractor performing more than \$25,000 of work on the project.
- iii. The license number of each subcontractor, as required by W. Va. Code § 21-11-1 et. seq.
- iv. If applicable, a notation that no subcontractor will be used to perform more than \$25,000.00 of work. (This item iv. is not required if the vendor makes this clear in the bid itself or in documentation following the request for the subcontractor list.)

b. Subcontractor List Submission Form: The subcontractor list may be submitted in any form, including the attached form, as long as the required information noted above is included. If any information is missing from the bidder's subcontractor list submission, it may be obtained from other documents such as bids, emails, letters, etc. that accompany the subcontractor list submission.

c. Substitution of Subcontractor. Written approval must be obtained from the State Spending Unit before any subcontractor substitution is permitted. Substitutions are not permitted unless:

i. The subcontractor listed in the original bid has filed for bankruptcy;

ii. The subcontractor in the original bid has been debarred or suspended; or

iii. The contractor certifies in writing that the subcontractor listed in the original bid fails, is unable, or refuses to perform his subcontract.

Subcontractor List Submission (Construction Contracts Only)

Bidder's Name: Verizon Select Services Inc

Check this box if no subcontractors will perform more than \$25,000.00 of work to complete the project.

Subcontractor Name	License Number if Required by W. Va. Code § 21-11-1 et. seq.
Mon Valley Technologies LLC	WV-035204

Attach additional pages if necessary

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Sandra Hawkins, Senior Client Partner

(Name, Title) *Sandra Hawkins, Senior Client Partner*

(Printed Name and Title)
4700 MacCorkle Av SE., Charleston WV 25304

(Address)
304-356-3395/304-356-3590

(Phone Number) / (Fax Number)
sandra.k.hawkins@verizon.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Verizon Business Network Services Inc., on behalf of Verizon Select Services Inc

(Company)
Marsha K. Harrell

(Authorized Signature) (Representative Name, Title)
Marsha K Harrell
Senior Analyst
Contract Management

(Authorized Representative)
10/2/17

(Date)
304-356-3395/304-356-3590

(Phone Number) (Fax Number)

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REQUEST FOR QUOTATION
STRUCTURED CABLING FOR DISTRICT THREE

GENERAL CONSTRUCTION SPECIFICATIONS (No AIA Documents)

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Department of Transportation (WVDOT), the West Virginia Division of Highways (WVDOH), District Three (D-3), to establish a contract for the following:

The installation of structured cabling pathways and spaces systems. The Vendor shall furnish all materials, labor, and equipment necessary to complete all Construction Services. The Vendor shall furnish any incidental work, materials, labor, and equipment that are necessary to complete the Construction Services, even if such incidental work is not explicitly included in the Project Plans (Exhibit_B).

This work will be performed in WVDOH District 3 which is made up of Calhoun, Jackson, Pleasants, Ritchie, Roane, Wirt, and Wood Counties. It will include the Dist. HQ Complex, all County HQ facilities, and all Substations.

2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions and in the Project Plans as defined below.

2.1 **“Construction Services”** means installation, testing, and acceptance of a structured infrastructure cable telecommunications distribution system as more fully described in the Project Plans.

2.2 **“Pricing Page”** means the pages contained in wvOASIS, attached hereto as **Exhibit A**, or included in the Project Plans upon which Vendor should list its proposed price for the Construction Services.

2.3 **“Solicitation”** means the official notice of an opportunity to supply the State with Construction Services that is published by the Purchasing Division.

2.4 **“Project Plans”** means documents developed by an architect, an engineer, the Agency, or another design professional, which are attached hereto as **Exhibit B**, that provide detailed instructions on how the Construction Services are to be performed. In the event that Project Plans contain drawings or other documents too large to attach in **Exhibit B**, Vendors can obtain copies in accordance with Section 9 of these Specifications. Additional information regarding the locations and materials refer to **Exhibit C and Exhibit D**.

2.5 ABBREVIATIONS AND ACRONYMS

ADMIN	Administration
ANSI	American National Standards Institute
ASAP	As Soon As Possible

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ASTM	American Society for Testing and Materials
AWG	American Wire Gauge
BICSI	Building Industry Consulting Service International
Bldg.	Building
CAD	Computer Aided Drawing

Cat	Category
D-*	District-Number
DMV	Division of Motor Vehicles
DOH	Division of Highways
DOT	Department of Transportation
ECA	Electronic Components, Assemblies, Equipment & Supplies Association
EIA	Electronic Industries Alliance
FOB	Free On Board
NEC	<i>National Electrical Code</i> ®
NECA	National Electrical Contractors Association
NFPA	National Fire Protection Association
SRC	State Road Commission Building
TER	Telecommunications Equipment Room
TGB	Telecommunications Grounding Busbar
TIA	Telecommunications Industry Association
TMGB	Telecommunications Main Grounding Busbar
U/UTP	Unshielded Twisted Pair
UL	Underwriters Laboratories
ULC	Underwriters Laboratories of Canada
UPS	Uninterruptible Power Supply
VOL	Volume
WAP	Wireless Access Point
WVOT	WV Office of Technology
XHCR	Through penetration Firestop devices
XNEZ	Through Penetration Firestop Systems

2.6 “BICSI - RCDD” “or Equal” The RCDD credential demonstrates through certification the ability to integrate and implement Information and Communications Technology (ICT) and related infrastructure components across multiple disciplines and applications.

2.7 “RCDD-Outside Plant (OSP)” “or Equal” The OSP credential demonstrates knowledge through certification in Outside Plant (OSP) technology and the ability to implement aerial, underground and direct-buried infrastructures.

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REQUEST FOR QUOTATION
STRUCTURED CABLING FOR DISTRICT THREE

3. **ORDER OF PRECEDENCE:** This General Construction Specifications document will have priority over, and supersede, anything contained in the Project Plans.
4. **QUALIFICATIONS:** Vendor, or Vendor's staff if requirements are inherently limited to individuals rather than corporate entities, shall have the following minimum qualifications:
 - 4.1. **Experience:** Vendor, or Vendor's supervisory staff assigned to this project, must have successfully completed at least eight (8) projects that involved work similar to that described in these specifications or the Project Plans. Compliance with this experience requirement will be determined prior to contract award by the State through references provided by the Vendor upon request, through knowledge or documentation of the Vendor's past projects, through confirmation of experience requirements from the architect assisting the State in this project, or some other method that the State determines to be acceptable. Vendor must provide any documentation requested by the State to assist in confirmation of compliance with this provision. References, documentation, or other information to confirm compliance with this experience requirement may be requested after bid opening and prior to contract award.
 - 4.2. The Vendor must have a BICSI RCDD "or Equal" with OSP (Outside Plant) "or Equal" designation on staff that will be ultimately responsible for this project. The RCDD "or Equal" should have experience in the implementation and installation of structured cabling telecommunications distribution systems the size and scope as the one specified in this project. Should the RCDD "or Equal" assigned to this project change during the installation, the new RCDD "or Equal" assigned must meet all requirements of the RFQ.
 - 4.3. The installation work portion of the project must be performed by industry registered or certified installers and technicians.
 - 4.3.1. The Vendor must have BICSI Registered "or Equal" industry manufacture certification, installers, and technicians. Registration and/or certifications should be submitted with the bid or shall be available upon request.
 - 4.4. The Vendor must have CommScope "or Equal" manufacturer trained Installers and Technicians. Registration and/or certifications should be submitted with the bid or shall be available upon request.
5. **CONTRACT AWARD:** The Contract is intended to provide Agency with a purchase price for the Construction Services. The Contract will be awarded to the lowest qualified responsible bidder meeting the required specifications with the lowest lump sum bid. If the Pricing Pages contain alternates/add-ons, the Contract will be awarded based on the grand total of the base bid and any alternates/add-ons selected.

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- 6. SELECTION OF ALTERNATES:** If the Pricing Pages contain alternates/add-ons, the alternates/add-ons will be selected as follows. The alternate/add-on will be selected in the order of priority listed on the Pricing Pages. The first alternate/add-on must be selected before the second alternate/add-on can be selected and so on.
- 7. PERFORMANCE:** Vendor shall perform the Construction Services in accordance with this document and the Project Plans.
- 8. SUBSTITUTIONS:** Any substitution / “**or Equal**” requests must be submitted in accordance with the official question and answer period described in the INSTRUCTIONS TO VENDORS SUBMITTING BIDS, Paragraph 4. Vendor Question Deadline. Vendors submitting substitution requests should submit product brochures and product specifications during the official question and answer period.
- 9. PROJECT PLANS:** The checked box will apply to Project Plans for this solicitation.
- No Additional Project Plan Documents:** There are no additional Project Plans other than those attached hereto as **Exhibit B** or any subsequent addenda modifying **Exhibit B**.

10. CONDITIONS OF THE WORK

- 10.1. Permits:** The Vendor shall procure all necessary permits and licenses to comply with all applicable Federal, State, or Local laws, regulations and ordinances of any regulating body.
- 10.2. Existing Conditions:** If discrepancies are discovered between the existing conditions and those noted in the specifications, Vendor must immediately notify the Agency's representative. Vendor must also immediately notify the Agency if suspected hazardous materials are encountered.
- 10.3. Standard Work Hours:** The standard hours of work for this Contract will be 7:00AM to 5:00PM Monday through Friday excluding holidays recognized by the State of West Virginia. Any work outside of the standard hours of work must be approved in advance at the Agency's sole discretion. Authorization of work outside of the standard hours of work will not entitle Vendor to additional compensation.
- 10.4. Project Closeout:** Project Closeout shall include the following:
- 10.4.1. Final Cleanup:** Vendor shall perform the final cleanup activities listed below, along with any other final cleanup activities normally associated with the work performed under this Contract, prior to final inspection:
- 10.4.1.1.** Prior to final acceptance, the contractor is to submit to the WVDOT marked up drawings (As-Built) reflecting the work as constructed.

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The drawings shall be digitally submitted on a CDROM in both AutoCAD and PDF format.

10.4.2. Final Inspection: Vendor shall participate in a final inspection with the Agency's project manager. The purpose of the final inspection will be to identify deficiencies that need to be remedied prior to Agency's final acceptance of the work. Vendor shall at all times be obligated to perform in accordance with the Contract and must take all actions necessary to ensure that work complies with requirements of Contract prior to final acceptance. Final acceptance does not waive or release Vendor from its obligation to ensure that work complies with the Contract requirements. Vendor shall submit any warranty documents to the Agency project manager at final inspection.

11. FACILITIES ACCESS: Performance of Contract Services may require access cards and/or keys to gain entrance to Agency's facilities. In the event that access cards and/or keys are required:

11.1. Vendor must identify principal service personnel which will be issued access cards and/or keys to perform service.

11.2. Vendor will be responsible for controlling cards and keys and will pay replacement fee, if the cards or keys become lost or stolen.

11.3. Vendor shall notify Agency immediately of any lost, stolen, or missing card or key.

11.4. Anyone performing under this Contract will be subject to Agency's security protocol and procedures.

11.5. Vendor shall inform all staff of Agency's security protocol and procedures.

12. MISCELLANEOUS:

12.1. Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Sandra Hawkins

Telephone Number: 304-356-3395

Fax Number: 304-356-3590

Email Address: sandra.k.hawkins@verizon.com



State of West Virginia
PURCHASING DIVISION
Construction Bid Submission Review Form

This list has been provided for informational purposes only and is not to be construed as a complete list of request for quotation or bidding requirements for any individual construction project. This list does not and cannot include every item, mistake or oversight that could cause a contractor's bid to be disqualified. Rather, this list is intended to draw attention to some of the most common problems that the Purchasing Division encounters in the bidding process for construction projects. All potential bidders must read the request for quotation, all additional documents, and all instructions relating thereto ("Bid Documents") in their entirety to identify the actual request for quotation and bidding requirements. Failure to read the Bid Documents in their entirety and comply with the stated requirements contained therein may result in bid disqualification.

Errors That Shall Be Reason for Immediate Bid Disqualification

1. Failure to attend a mandatory pre-bid meeting
2. Failure to sign the bid
3. Failure to supply a valid bid bond or other surety approved by the State of West Virginia
4. Failure to meet any mandatory requirement of the RFQ
5. Failure to acknowledge receipt of Addenda (only if stipulated as mandatory)
6. Failure to submit bid prior to the bid opening date and time
7. Federal debarment
8. State of West Virginia debarment or suspension

Errors that May Be Reason for Bid Disqualification Before Contract Award

1. Debt to the State or Political Subdivision (must be cured prior to award)
2. Workers' Compensation or Unemployment Compensation delinquency (must be cured prior to award)
3. Not registered as a vendor with the State (must be cured prior to award)
4. Failure to obtain required bonds and/or insurance
5. Failure to provide the sub-contractor listing within one business day of bid opening or one business day of the request to do so by the Purchasing Division.
6. Failure to supply West Virginia contractor's license number with bid or within one day of Purchasing Division request to do so.
7. Failure to supply a signed drug free workplace affidavit with bid or within one day of Purchasing Division request to do so.
8. Failure to use the provided RFQ form (only if stipulated as mandatory).



State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5

Mississippi
~~STATE OF WEST VIRGINIA,~~
Hinds
COUNTY OF Kanawha, TO-WIT:

I, **Marsha K Harrell**
Senior Analyst
Contract Management, after being first duly sworn, depose and state as follows:

- 1. I am an employee of Verizon Select Services Inc; and,
(Company Name)
- 2. I do hereby attest that Verizon Select Services Inc
(Company Name)

maintains a written plan for a drug-free workplace policy and that such plan and policy are in compliance with **West Virginia Code §21-1D**.

The above statements are sworn to under the penalty of perjury.

Printed Name: _____
 Signature: Marsha K Harrell
 Title: **Marsha K Harrell**
 Senior Analyst
 Contract Management
 Company Name: _____
 Date: 10/2/17

Taken, subscribed and sworn to before me this 2nd day of October, 2017.

By Commission expires May 3, 2021

(Seal)

Karen Blue Johnson
(Notary Public)



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REQUESTED FOR QUOTATION
STRUCTURED CABLING DISTRIBUTION FOR DISTRICT THREE

EXHIBIT A – Pricing Page

Dated: October 12, 2017
(Bidder to insert date bid submitted)

SUBMITTED BY:
Verizon Business Network Svc Inc., on behalf of
Verizon Select Services Inc. (hereinafter called "Vendor")

SUBMITTED TO:

West Virginia Department of Transportation (hereinafter called "WV DOT")

The Bidder, being familiar with local conditions affecting the cost of the Work and the Contract Documents, including Instructions to Bidders, Bid Form, General Conditions, Drawings, Specifications, and any Addenda or Clarifications issued, hereby propose to furnish all labor, tools, taxes, transportation and expendable equipment necessary for the satisfactory and complete construction of in every detail and ready for operation, all in full accordance with, and in conformity to, the Contract Documents, for the stipulated sums as follows:

TOTAL BID AMOUNT (Show Bid Amount in both words and numbers.)

For the sum of: \$ 229,815.00

Two hundred twenty nine thousand, eight hundred and fifeten **Dollars.**

(Show Bid Amount in both words and numbers.)

(In the event of a difference between the written bid amount and the number bid amount, the written bid amount shall govern.)

EXHIBIT B – PROJECT PLANS

1. General Requirements and Installation Guidelines

1.1. Requirements and install guidelines for all specified and “or equal” submittals:

- 1.1.1.** Vendor shall provide all labor, materials, and equipment for the complete installation of work called for in the Contract Documents.
- 1.1.2.** This section includes the minimum requirements for Horizontal and Backbone cable terminations installed in communications equipment rooms (Telecommunications Rooms, Equipment Rooms, or “Telecommunications Closets”).
- 1.1.3.** Included in this section are the minimum composition requirements and installation methods for the termination blocks and patch panels.
- 1.1.4.** All cable and equipment shall be installed in a neat and workmanlike manner. All methods of construction that are not specifically described or indicated in the contract documents shall be subject to the control and approval of the WV DOT or WV DOT Representative. Equipment and materials shall be of the quality and manufacture indicated. The equipment specified is based upon the acceptable manufacturers listed. Where “or equal” is stated, equipment shall be equivalent in every way to that of the equipment specified and subject to approval.
- 1.1.5.** Adhere to all Electronic Industries Alliance (EIA), Telecommunications Industry Association (TIA) and Building Industry Consulting Service International (BICSI) recommended installation practices when installing communications/data cabling.
- 1.1.6.** Material and work specified herein shall comply with the applicable requirements of the current adopted revision of the following:
 - 1.1.6.1.** ANSI/TIA – 568 Series Commercial Building Telecom Cabling Standard,
 - 1.1.6.2.** TIA – 569 Commercial Building Standard for Telecom Pathways and Spaces,
 - 1.1.6.3.** ANSI/TIA – 606 Administration Standard for the Telecommunications Infrastructure of Commercial Buildings
 - 1.1.6.4.** ANSI-J-STD – 607 Joint Standard for Commercial Building Grounding and Bonding Requirements for Telecommunications
 - 1.1.6.5.** NFPA 70 – National Electric Code
 - 1.1.6.6.** ISO/IEC 11801 - Generic cabling for customer premises
 - 1.1.6.7.** BICSI – Telecommunications Distribution Methods Manual
 - 1.1.6.8.** ANSI/TIA – 568 Series Commercial Building Telecommunications Cabling Standard, TIA – 569 Commercial Building Standard for Telecommunications Pathways and Spaces
 - 1.1.6.9.** ANSI/TIA – 606 Administration Standard for the Telecommunications Infrastructure of Commercial Buildings
 - 1.1.6.10.** ANSI-J-STD – 607 Joint Standard for Commercial Building Grounding and Bonding Requirements for Telecommunications
 - 1.1.6.11.** NFPA 70 – National Electric Code
 - 1.1.6.12.** ISO/IEC 11801 - Generic cabling for customer premises
 - 1.1.6.13.** BICSI – Telecommunications Distribution Methods Manual

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REQUESTED FOR QUOTATION
STRUCTURED CABLING DISTRIBUTION FOR DISTRICT THREE

- 1.1.7. Product data for all “or equal” submittals:**
- 1.1.7.1. Vendors shall provide, for approval, manufacturers name, part number, cut sheets, and specifications, for all alternate products to be bid on this RFQ. This documentation must be submitted before or on the **VENDOR QUESTION DEADLINE** as specified in Section 4 of the RFQ **INSTRUCTIONS TO VENDORS SUBMITTING BIDS** document.
- 1.2. Category 6/Class E Patch Panels**
- 1.2.1. Patch panel shall be constructed of high strength steel and designed for wall or 19-inch rack mounting
- 1.2.2. Panels shall be available in 24-port and 48-port configurations, with height of 1 Rack Unit (RU) of 44.5 millimeters (1.75 inches) for each group of 24 ports.
- 1.2.3. Removable rear mounted cable management bar and front and rear identification labels.
- 1.2.4. Comply with the standards for Category 6/Class E patch panels listed in the TIA/EIA-568 Series Standards and ISO/IEC 11801.
- 1.2.5. All Patch Panels shall be installed in the racks installed in the telecommunications space.
- 1.2.6. Each patch panel shall be attached to the rack using the four (4) rack screws supplied with the panel.
- 1.2.7. All Patch Panels shall be installed level and plum within the racks.
- 1.2.8. CommScope Uniprise Patch Panels “or Equal”**
- 1.2.8.1. Uniprise Universal Cat6 Panel 1U 24 Port “or Equal”
760180042IUNP-U-610-1U-24 “or Equal”
- 1.2.8.1.1. Electrical Specifications
- 1.2.8.1.1.1. ANSI/TIA Category 6
- 1.2.8.1.1.2. Current Rating 1.5 A @ 20 °C | 1.5 A @ 68 °F
- 1.2.8.1.1.3. Dielectric Withstand Voltage, RMS, conductive surface 1500 Vac @ 60 Hz
- 1.2.8.1.1.4. Dielectric Withstand Voltage, RMS, contact-to-contact 1000 Vac @ 60 Hz
- 1.2.8.1.1.5. Insulation Resistance, minimum 500 MOhm
- 1.2.8.1.2. Environmental Specifications
- 1.2.8.1.2.1. Flammability Rating UL 94 V-0
- 1.2.8.1.2.2. Relative Humidity Up to 95%, non-condensing
- 1.2.8.1.3. General Specifications
- 1.2.8.1.3.1. Total Ports, quantity 24
- 1.2.8.1.3.2. Cable Type U/UTP (unshielded)
- 1.2.8.1.3.3. Rack Type EIA 19 in
- 1.2.8.1.4. Mechanical Specifications
- 1.2.8.1.4.1. Conductor Gauge, solid 22 AWG | 24 AWG
- 1.2.8.1.4.2. Conductor Gauge, stranded 22 AWG | 24 AW
- 1.2.8.1.4.3. Outlet/Module Contact Plating Precious metals
- 1.2.8.1.4.4. Plug Insertion Life, minimum 750 times
- 1.2.8.1.4.5. Plug Insertion Life, test plug IEC 60603-7 compliant plug
- 1.2.8.1.4.6. Plug Retention Force, minimum 30 lbf | 133 N

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- 1.2.8.1.4.7. Rear Termination Contact Plating Nickel
 - 1.2.8.1.4.8. Rear Termination Type IDC
 - 1.2.8.1.4.9. Wiring T568A | T568B
 - 1.2.8.2. Uniprise Universal Cat6 Panel 2U 48 Port **“or Equal”**
760180059|UNP-U-610-2U-48 **“or Equal”**
 - 1.2.8.2.1. Electrical Specifications
 - 1.2.8.2.1.1. ANSI/TIA Category 6
 - 1.2.8.2.1.2. Current Rating 1.5 A @ 20 ° C | 1.5 A @ 68 °F
 - 1.2.8.2.1.3. Dielectric Withstand Voltage, RMS, conductive surface 1500 Vac @ 60 Hz
 - 1.2.8.2.1.4. Dielectric Withstand Voltage, RMS, contact-to-contact 1000 Vac @ 60 Hz
 - 1.2.8.2.1.5. Insulation Resistance, minimum 500 MOhm
 - 1.2.8.2.2. Environmental Specifications
 - 1.2.8.2.2.1. Flammability Rating UL 94 V-0
 - 1.2.8.2.2.2. Relative Humidity Up to 95%, non-condensing
 - 1.2.8.2.3. General Specifications
 - 1.2.8.2.3.1. Total Ports, quantity 24
 - 1.2.8.2.3.2. Cable Type U/UTP (unshielded)
 - 1.2.8.2.4. Mechanical Specifications
 - 1.2.8.2.4.1. Conductor Gauge, solid 22 AWG | 24 AWG
 - 1.2.8.2.4.2. Conductor Gauge, stranded 22 AWG | 24 AW
 - 1.2.8.2.4.3. Outlet/Module Contact Plating Precious metals
 - 1.2.8.2.4.4. Plug Insertion Life, minimum 750 times
 - 1.2.8.2.4.5. Plug Insertion Life, test plug IEC 60603-7 compliant plug
 - 1.2.8.2.4.6. Plug Retention Force, minimum 30 lbf | 133 N
 - 1.2.8.2.4.7. Rear Termination Contact Plating Nickel
 - 1.2.8.2.4.8. Rear Termination Type IDC
 - 1.2.8.2.4.9. Wiring T568A | T568B
- 1.3. Copper Horizontal Cabling**
- 1.3.1. Work Includes
 - 1.3.1.1. Horizontal (to desktop) cable shall consist of Category 6 (CAT 6) copper cable for all Data and Voice applications.
 - 1.3.1.2. Horizontal cabling to typical work area outlets (including offices, cubicles, and conference rooms) shall consist of two Category 6 cables serving each outlet.
 - 1.3.1.3. Outlets for wall-mounted or other “telephone only” installations shall consist of one Category 6 cable as a minimum.
 - 1.3.1.4. Outlets for wireless access points (APs) shall consist of one Category 6 cable at a minimum.
 - 1.3.2. Cable Construction (by Type):
 - 1.3.2.2. Listed CMR cable: Solid copper conductors with high-density polyolefin insulation and an overall low smoke polyvinyl chloride (PVC) jacket to achieve a riser (i.e., non-plenum) rating by applicable NEC requirements.

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- 1.3.2.3. Listed CMP cable: Solid copper conductors with fluorinated ethylene propylene (FEP) insulation and an overall low smoke PVC jacket to achieve plenum rating by applicable NEC requirements.
- 1.3.2.4. OSP outdoor cable rated for wet locations: Solid copper conductors with polyethylene insulation, polyolefin fluted center member with flooding compound, and black polyethylene jacket
- 1.3.2.5. Comply with following general physical specifications:
 - 1.3.2.5.1. Maximum pulling tension: 110 Newton's (25 pound-force)
- 1.3.2.6. Coordination
 - 1.3.2.6.1. Coordinate layout and installation of cable tray with other trades.
- 1.3.3. CommScope Uniprise Data Communications Horizontal Cabling (Category 6/ClassE) **"or Equal"**
 - 1.3.3.1. Media 6@ 65N4+ Cat 6 U/UTP Cable, non-plenum **"or Equal"**
 - 1.3.3.2. Media 6@ 6504+ Cat 6 U/UTP Cable, plenum **"or Equal"**
 - 1.3.3.3. Media 6@ 6NF4+ Cat 6 U/UTP filled Cable, outdoor direct burial **"or Equal"**
 - 1.3.3.3.1. Cable shall be listed for the environment where it will be installed (Plenum, Outdoor, or Riser).
 - 1.3.3.3.2. Category 6 horizontal cabling shall provide the following margin to the specification when installed in a 4 connector Channel:

Electrical Parameter (1-250MHZ)	Guaranteed Margins to Category 6 Class E Channel Specifications
Insertion loss	5%
NEXT	6 dB
PSNEXT	7.5 dB
ELFEXT	6 dB
PSELFEXT	8 dB
Return Loss	4 dB

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1.3.3.3.3. Category 6 horizontal cabling shall meet or exceed the performance specifications listed in the following table when installed in a 4 connector Channel.

Guaranteed Channel Performance Specifications for 4-Connection U/UTP Systems										
Freq (MHz)	Insertion Loss (dB)	NEXT (dB)	ACR (dB)	PSNEXT T (dB)	PSAC R (dB)	ELFEXT T (dB)	PSELFEXT T (dB)	Return Loss (dB)	Delay (ns)	Delay Skew (ns)
1.0	2.0	71.0	69.0	69.5	67.5	69.3	68.3	23.0	580	30
4.0	3.8	69.0	65.2	68.0	64.2	57.2	56.2	23.0	562	30
8.0	5.4	64.2	58.8	63.1	57.7	51.2	50.2	23.0	557	30
16.0	7.6	59.2	51.6	58.1	50.4	45.2	44.2	22.0	553	30
31.25	10.8	54.4	43.6	53.2	42.4	39.4	38.4	20.5	550	30
62.5	15.6	49.4	33.7	48.1	32.4	33.3	32.3	18.0	549	30
100.0	20.2	45.9	25.7	44.6	24.3	29.3	28.3	16.0	548	30
200.0	30.0	40.8	10.8	39.4	9.4	23.2	22.2	13.0	547	30
250.0	34.1	39.1	5.0	37.7	3.5	21.3	20.3	12.0	546	30

- A. The table provides reference values only. All parameters comply with the governing equations over the entire frequency range.
- B. All values and equations apply to worst-case channels utilizing four-pair cables with full cross-connects, consolidation points and work area outlets (4 connectors in a channel) for any channel lengths up to 100 meters.

1.3.3.3.4. Category 6 horizontal cabling shall provide the following Margin to the specification when installed in a 6 connector Channel

Electrical Parameter (1-250MHZ)	Guaranteed Margins to Category 6 Class E Channel Specifications
Insertion loss	4%
NEXT	4 dB
PSNEXT	5.5 dB
ELFEXT	4 dB
PSELFEXT	6 dB
Return Loss	2 dB

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1.3.3.3.5. Category 6 horizontal cabling shall provide the following Margin to the specification when installed in a 6 connector Channel.

Guaranteed Channel Performance Specifications for 6-Connection U/UTP Systems										
Freq (MHz)	Insertion Loss (dB)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	PSACR (dB)	ELFEXT (dB)	PSELFEXT (dB)	Return Loss (dB)	Delay (ns)	Delay Skew (ns)
1.0	2.1	69.0	66.9	67.5	65.4	67.3	66.3	21.0	580	30
4.0	3.9	67.0	63.2	66.0	62.1	55.2	54.2	21.0	562	30
8.0	5.4	62.2	56.7	61.1	55.7	49.2	48.2	21.0	557	30
16.0	7.7	57.2	49.5	56.1	48.4	43.2	42.2	20.0	553	30
31.25	10.9	52.4	41.5	51.2	40.3	37.4	36.4	18.5	550	30
62.5	15.8	47.4	31.6	46.1	30.3	31.3	30.3	16.0	549	30
100.0	20.4	43.9	23.5	42.6	22.1	27.3	26.3	14.0	548	30
200.0	30.3	38.8	8.5	37.4	7.1	21.2	20.2	11.0	547	30
250.0	34.5	37.1	2.6	35.7	1.2	19.3	18.3	10.0	546	30

- A. The table provides reference values only. All parameters comply with the governing equations over the entire frequency range.
- B. All values and equations apply to worst-case channels utilizing four-pair 71E series cables with up to 6 embedded connections in a channel for any channel lengths up to 100 meters.

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1.4. Copper Jack/Information Outlets and Connectors

1.4.1. Scope of Work

- 1.4.1.1. This section includes the minimum requirements for jack/information outlets and connectors.
- 1.4.1.2. The channel performance for the installation shall meet or exceed the requirements of ANSI/TIA-568 and ISO/IEC 11801 for the specified Category.
- 1.4.1.3. The jack/information outlets shall match the category of the cabling
- 1.4.1.4. All jacks/information outlets shall meet UL 94 V-O

1.4.2. General

- 1.4.2.1. All products will be compliant to RoHS 2002/95/EC
- 1.4.2.2. All products will be designed, manufactured, and/or distributed under this quality management system: ISO 9001:2008
- 1.4.2.3. Telecommunications jacks shall be 8-position/8-conductor modular outlets accepting industry standard modular RJ45 type plugs and insulation displacement conductor (IDC) terminations.
- 1.4.2.4. The Universal design shall support T568A and T568B wiring and shall have universal wiring labels, including color-coded insert identification labels to ensure accurate identification.
- 1.4.2.5. Provide crosstalk cancellation with compensation and alien crosstalk mitigation using printed wiring board materials and compensation technology.
- 1.4.2.6. Jack shall be backward compatible with lower category cords and cables.
- 1.4.2.7. Installation without special faceplates at either 45- or a 90-degree angle in manufacturer's modular faceplates and frames, including those on surface-mounted boxes.

1.4.3. Uniprise UNJ600 Category 6 U/UTP Information Outlet, blue “or Equal”

1.4.3.1. Electrical Specifications

- 1.4.3.1.1. Contact Resistance Variation, maximum: 20 mOhm
- 1.4.3.1.2. Contact Resistance, maximum: 100 mOhm
- 1.4.3.1.3. Current Rating: 1.5 A @ 20 °C, 1.5 A @ 68 °F
- 1.4.3.1.4. Dielectric Withstand Voltage, RMS, conductive surface: 1500 Vac @ 60 Hz
- 1.4.3.1.5. Dielectric Withstand Voltage, RMS, contact-to-contact: 1000 Vac @ 60 Hz
- 1.4.3.1.6. Insulation Resistance, minimum: 500 MOhm

1.4.3.2. Environmental Specifications

- 1.4.3.2.1. Flammability Rating: UL 94 V-0
- 1.4.3.2.2. Relative Humidity: Up to 95%, non-condensing
- 1.4.3.2.3. Safety Standard: cUL, UL

1.4.3.3. Mechanical Specifications

- 1.4.3.3.1. Conductor Type: Solid, Stranded (7 strands)
- 1.4.3.3.2. Material Type: Copper alloy, High-impact, flame retardant, thermoplastic
- 1.4.3.3.3. Outlet/Module Contact Plating: Precious metals
- 1.4.3.3.4. Plug Insertion Life, minimum: 750 times

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- 1.4.3.3.5. Plug Insertion Life, test plug: IEC 60603-7 compliant plug
- 1.4.3.3.6. Plug Retention Force, minimum: 30 lbf, 133 N
- 1.4.3.3.7. Rear Termination Contact Plating: Precious metals
- 1.4.3.3.8. Rear Termination Type: IDC
- 1.4.3.3.9. Wiring: T568A or T568B

1.5. Copper Category 6 /Class E Patch Cords

1.5.1. Work Includes

- 1.5.1.1. Provide all labor, materials, and equipment for the installation of all copper patch cords into the approved patch panels called for in the Bid Documents.

1.5.2. Scope of Work

- 1.5.2.1. This section includes the minimum requirements for copper patch cords.
- 1.5.2.2. All Patch/Equipment Cords shall be new.
- 1.5.2.3. Patch/Equipment Cords shall be made by the same manufacturer as the Horizontal Cable used in the new installation.
- 1.5.2.4. All Patch/Equipment Cords shall be factory manufactured and tested for compliance to the appropriate standards and performance.
- 1.5.2.5. Patch/Equipment Cords shall be installed using proper cable management
- 1.5.2.6. Minimum bend radius shall not be exceeded.

1.5.3. General

- 1.5.3.1. The Modular Patch Cords shall meet or exceed TIA ANSI/TIA-568-C.2 Category 6 and ISO/EIC Category 6/Class E specifications and shall be fully backward compatible with Category 5e and 5 connectors.

1.5.4. Uniprise Category 6 U/UTP Patch Cord, Non-Plenum, Blue “or Equal”

1.5.4.1. Electrical Specifications

- 1.5.4.1.1. ANSI/TIA Category 6
- 1.5.4.1.2. dc Resistance, maximum 0.30 ohm
- 1.5.4.1.3. Safety Voltage Rating 300 V

1.5.4.2. Environmental Specifications

- 1.5.4.2.1. Environmental Space Non-plenum
- 1.5.4.2.2. Flammability Rating UL 94 V-0
- 1.5.4.2.3. Safety Standard cETL | ETL

1.5.4.3. Mechanical Specifications

- 1.5.4.3.1. Conductor Type Stranded
- 1.5.4.3.2. Material Type Copper alloy | Polycarbonate
- 1.5.4.3.3. Outlet/Module Contact Plating Precious metals
- 1.5.4.3.4. Plug Insertion Life, minimum 750 times
- 1.5.4.3.5. Plug Retention Force, minimum 133 N | 30 lbf
- 1.5.4.3.6. Wiring T568B

1.5.5. Uniprise Category 6 U/UTP Patch Cord, 4-pair, Plenum, Blue “or Equal”

1.5.5.1. Electrical Specifications

- 1.5.5.1.1. ANSI/TIA Category 6
- 1.5.5.1.2. dc Resistance, maximum 0.30 ohm
- 1.5.5.1.3. Safety Voltage Rating 300 V

1.5.5.2. Environmental Specifications

- 1.5.5.2.1. Environmental Space Plenum

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- 1.5.5.2.2. Flammability Rating UL 94 V-0
- 1.5.5.2.3. Safety Standard cETL | ETL
- 1.5.5.3. Mechanical Specifications
 - 1.5.5.3.1. Conductor Type Solid
 - 1.5.5.3.2. Material Type Copper alloy | Polycarbonate
 - 1.5.5.3.3. Precious metals
 - 1.5.5.3.4. Plug Insertion Life, minimum 750 times
 - 1.5.5.3.5. Plug Retention Force, minimum 133 N | 30 lbf
 - 1.5.5.3.6. Wiring T568B
- 1.6. Single-Mode Optical Fiber Backbone
 - 1.6.1. Work Includes
 - 1.6.1.1. Provide all labor, materials, and equipment for the complete installation of all Optical Fiber Backbone Cables called for in the Contract Documents.
 - 1.6.1.2. Included in this section are the minimum composition requirements and installation methods for the following:
 - 1.6.1.3. Intra Building Backbone (Inside buildings (ISP))
 - 1.6.1.4. Inter Building Backbone (Between buildings (OSP))
 - 1.6.2. General Specifications
 - 1.6.2.1. Cables shall be designed for Point to Point applications and shall provide a high level of protection for optical fiber installed in building applications.
 - 1.6.2.2. Higher optical fiber count cables shall utilize a sub-unitized design with color-coded subunits for easy identification.
 - 1.6.3. Cable Performance Standards
 - 1.6.3.1. Cables shall comply with the applicable standards per cable type:
 - 1.6.3.2. Bellcore, fiber distributed data interface (FDDI), and EIA standards
 - 1.6.3.3. ANSI/ICEA S-87-640, Standard for Optical Fiber Outside Plant Communications Cable
 - 1.6.3.4. Telcordia, GR-20-CORE, Generic Requirements for Optical Fiber and Optical Fiber Cable
 - 1.6.3.5. Telcordia, GR-409-CORE, Generic Requirements for Indoor Fiber Optic Cables
 - 1.6.3.6. Telcordia requirements for superior armored cable
 - 1.6.3.7. TIA/EIA-568-C .1
 - 1.6.3.8. TIA/EIA-568-C.3
 - 1.6.3.9. ISO/IEC 11801
 - 1.6.3.10. CENELEC EN-50173
 - 1.6.3.11. EN 187105

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1.6.4. OS2 Single-mode 8.3 Micrometer Fiber

- 1.6.4.1. OS2 Single-mode Fiber SCS shall comply with the following standards
 - 1.6.4.1.1. ISO/IEC 11801:2010
 - 1.6.4.1.2. EN 50173-1:2011
 - 1.6.4.1.3. EN 50173-2:2010
 - 1.6.4.1.4. ANSI/TIA-568-C
 - 1.6.4.1.5. IEC 60603-7-4
 - 1.6.4.1.6. IEEE 802.3 applications as outlined in section (iii)
- 1.6.4.2. OS2 optical fiber glass shall be manufactured from ultra-pure synthetic silica glass. Single-mode fibers manufactured from natural quartz will not be accepted.
- 1.6.4.3. OS2 Single-mode fiber shall be capable of supporting, at minimum, the following IEEE Ethernet applications:

100M	100BASE-LX10
1G	1000BASE-LH
	1000BASE-BX10
	1000BASE-LX10
	1000BASE-PX10-D
	1000BASE-PX10-U
	1000BASE-PX20-D
	1000BASE-ZX
10G	10GBASE-LR
	10BASE-LX4
	10GBASE-ER
40G	40GBASE-LR4
100G	100GBASE-LR4

- 1.6.4.4. OS2 single-mode Fiber SCS shall be capable of supporting the following Fiber Channel Applications Standards, per Technical Committee 11 of INCITS:

1GFC
2GFC
4GFC
8GFC
10GFC
16GFC

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1.6.4.5. OS2 single-mode fibers shall fully meet or exceed the specifications in:

- 1.6.4.5.1. EN 50173-1:2011
- 1.6.4.5.2. ISO/IEC 11801:2010
- 1.6.4.5.3. IEC/EN 60793-2-50 (b1.3 fiber)
- 1.6.4.5.4. ANSI/TIA-492CAAB
- 1.6.4.5.5. ITU-T G.652.D

1.6.4.6. OS2 single-mode fiber physical specifications:

Physical Characteristics	
Cladding Diameter	125.0 ± 0.7 μm
Core/Clad Offset	≤ 0.5 μm
Coating Diameter (Uncolored)	245.0 ± 10 μm
Coating Diameter (Colored)	254.0 ± 7 μm
Coating/Cladding Concentricity Error, Max.	12 μm
Clad Non-Circularity	≤ 1.0 %

1.6.4.7. OS2 single-mode fiber mechanical specifications:

Mechanical Characteristics	
Proof Test	100 kpsi (0.69 Gpa)
Coating Strip Force	0.3 – 2.0 lbf (1.3 – 8.9 N)
Fiber Curl	≥ 4 m
Dynamic fatigue Parameter (nd)	≥ 18
Macrobending, Max. (100 turns)	0.05 dB (1,310/1550 nm @50mm) 0.05 dB (1,625 nm @ 60 mm)
Macrobending, Max. (1 turn @32 mm mandrel)	0.05 @1,550 nm

1.6.4.8. Optical Characteristics, Wavelength specific:

Optical Characteristics, Wavelength Specific			
	1310 nm	1385 nm	1550 nm
Max Attenuation Loose-Tube Cable	0.34 dB/km	0.31 dB/km	0.22 dB/km
Max Attenuation Tight-Buffer Cable	0.50 dB/km	0.50 dB/km	0.50 dB/km
Mode Field Diameter	9.2 ± 0.3 μm	9.6 ± 0.6 μm	10.4 ± 0.5 μm
Group Refractive Index	1.467	1.468	1.468
Dispersion, Max.	3.5 ps/(nm-km) from 1,285 to 1,330 nm		18 s/(nm-km)

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1.6.4.9. Optical specifications:

Optical Characteristics, General	
Points defects, Max.	0.10dB
Cut-Off Wavelength	≤ 1260
Zero Dispersion Wavelength	1,302 – 1,322 nm
Zero Dispersion Slope, max.	0.090 ps/[km-nm-nm]
Polarization Mode Dispersion Link Design Value	≤ 0.06 ps/sqrt (km)
Backscatter Coefficient	-79.6/-82.1 dB @ 1310/1550 nm
Index of Refraction	1.466/ 1.467 @ 1310/1550 nm

1.6.4.10. Environmental specifications

Environmental Characteristics	
Temperature Dependence -76°F to 185°F (-60°C to 85°C)	≤ 0.05dB
Temperature humidity Cycling 14°F to 185°F (-10°C to 85°C) up to 95% RH	≤ 0.05dB
Water Immersion, 73.4°F (23°C)	≤ 0.05dB
Heat Aging, 185°F (85°C)	≤ 0.05dB

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1.6.5. Inter and Intra Building Fiber Backbone

- 1.6.5.1. Indoor/Outdoor, Single Jacket All-Dielectric, Plenum Rated, Gel-Free, Stranded Loose-Tube Cable
- 1.6.5.2. Contractor shall comply applicable codes, standards and with all local codes and requirements. It is the responsibility of the contractor to identify and adhere to any unique codes or requirements governed by the region where the work is to be performed.
- 1.6.5.3. Provide all necessary products for installation of Fiber Backbone cabling to include cable attachments, etc.
- 1.6.5.4. Backbone cable shall be installed following industry standard practices.
- 1.6.5.5. Contractor shall not exceed the maximum pulling tension or the minimum bending radius for fiber cables per manufacturer's specifications.
- 1.6.5.6. All installations shall comply with:
 - 1.6.5.6.1. ANSI/TIA/EIA – 568 Series Commercial Building Telecommunications Cabling Standard,
 - 1.6.5.6.2. TIA – 569 Commercial Building Standard for Telecommunications Pathways and Spaces,
 - 1.6.5.6.3. ANSI/TIA/EIA – 606 Administration Standard for the Telecommunications Infrastructure of Commercial Buildings
 - 1.6.5.6.4. ANSI-J-STD – 607 Joint Standard for Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications
 - 1.6.5.6.5. NFPA 70 – National Electric Code
 - 1.6.5.6.6. BICSI – Telecommunications Distribution Methods Manual

1.6.6. Backbone Cable Testing

- 1.6.6.1. Complete end-to-end test results for all Fiber Optic cables installed are required.
- 1.6.6.2. All fiber optic cable must be visually inspected and optically tested on the reel upon delivery to the installation site. Using an Optical Time Domain Reflectometer (OTDR), an access jumper with like fiber, a pigtail, and a mechanical splice, all fibers shall be tested for continuity and attenuation.
- 1.6.6.3. Testing for continuity and attenuation on the reel must confirm factory specifications to ensure that the fiber optic cable was not damaged during shipment. The test results must match the results of the factory-attached tag on the reel, or the fiber shall not be used. Reel data sheet must be provided showing test results.
- 1.6.6.4. End to end (bi-directional) test measurements shall be provided for single-mode fibers (2 wavelengths per test are required).
- 1.6.6.5. Testing shall be performed on 100% of the fibers in the completed end-to-end system. ANSI/TIA-568-A, Annex H, provides the technical criteria and formulae to be used in fiber optic testing. Additionally, all fiber optic cable links must pass all installation and performance tests mandated by the cable manufacturer.

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- 1.6.6.6. The WV DOT or WV DOT Representative is to be notified at least 24 hours prior to testing to allow observation at the WV DOT or WV DOT Representative's discretion. If the WV DOT or WV DOT Representative confirms his intention to observe, a reasonable starting time shall be agreed upon. Should the WV DOT or WV DOT Representative not be present at the scheduled commencement time, the Contractor may begin testing as scheduled.
- 1.6.6.7. Testing Format: Test Results must be submitted in two (2) formats. First, must be original file(s) down loaded from tester. Second, the file must be cohesively placed in Excel format.
- 1.6.6.8. All test results are to be recorded and submitted to the WV DOT or WV DOT Representative.
- 1.6.7. 360G2 Cartridge 12 LC TeraSPEED® Blue with Pigtails “or Equal”**
 - 1.6.7.1. Construction Materials
 - 1.6.7.1.1. Fiber Type TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1 or G.652.D,
 - 1.6.7.1.2. G.657.A1 | OS2)
 - 1.6.7.1.3. Total Fibers, quantity 12
 - 1.6.7.2. Dimensions
 - 1.6.7.2.1. Depth 119.38 mm | 4.70 in
 - 1.6.7.2.2. Height 30.48 mm | 1.20 in
 - 1.6.7.2.3. Pigtail Length 1.5 m | 4.9 ft
 - 1.6.7.2.4. Width 91.44 mm | 3.60 in
 - 1.6.7.3. General Specifications
 - 1.6.7.3.1. Product Type Cartridge
 - 1.6.7.3.2. Interface, front LC
 - 1.6.7.3.3. Adapter Color Blue
 - 1.6.7.3.4. Intelligence Type iPatch® ready
 - 1.6.7.3.5. Interface Feature, front Standard
 - 1.6.7.3.6. Package Quantity 1
 - 1.6.7.3.7. Total Ports, quantity, front 12
 - 1.6.7.4. Optical Performance
 - 1.6.7.4.1. Insertion Loss Change, mating 0.30 dB
 - 1.6.7.4.2. Insertion Loss Change, temperature 0.30 dB
 - 1.6.7.4.3. Insertion Loss, typical 0.30 dB
 - 1.6.7.4.4. Return Loss, minimum 55.0 dB
 - 1.6.7.5. Regulatory Compliance/Certifications
 - 1.6.7.5.1. Agency Classification
 - 1.6.7.5.2. RoHS 2011/65/EU Compliant
 - 1.6.7.5.3. ISO 9001:2008 Designed, manufactured and/or distributed under this quality management system
- 1.6.8. RoloSplice Kit with 2 fusion splice trays “or Equal”**
 - 1.6.8.1. Fusion splice kit Application for G2 1U shelves and surface mount enclosures
Splice Trays Included Splice Trays, quantity 2 Splices, quantity 32

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REQUESTED FOR QUOTATION
STRUCTURED CABLING DISTRIBUTION FOR DISTRICT THREE

- 1.6.9. SYSTIMAX 360G2 1U Sliding Modular Cassette Shelf “or Equal”**
 - 1.6.9.1. Dimensions
 - 1.6.9.2. Depth 457.20 mm | 18.00 in
 - 1.6.9.3. Height 44.45 mm | 1.75 in
 - 1.6.9.4. Width 482.60 mm | 19.00 in
 - 1.6.9.5. Accepts four G2 modular cassettes
 - 1.6.9.6. Accepts two RoloSplices with three trays each
- 1.6.10. TeraSPEED® LC to LC, Fiber Patch Cord, 1.6 mm Duplex “or Equal”**
 - 1.6.10.1. Cord Length, maximum 999 ft | 999 m
 - 1.6.10.2. Cord Length, minimum 2 ft | 1 m
 - 1.6.10.3. Diameter Over Jacket 1.60 mm | 0.06 in
 - 1.6.10.4. General Specifications
 - 1.6.10.4.1. Color, connector A Blue
 - 1.6.10.4.2. Color, connector B Blue
 - 1.6.10.4.3. Construction Type Duplex patch cord
 - 1.6.10.4.4. Interface, connector A LC
 - 1.6.10.4.5. Interface, connector B LC
 - 1.6.10.4.6. Interface Feature, connector A Standard
 - 1.6.10.4.7. Interface Feature, connector B Standard
- 1.7. Chatsworth CUBE-iT PLUS® Cabinet System “or Equal”**
 - 1.7.1. Height 36" (910 mm) 18U
 - 1.7.2. Width 24" (610 mm)
 - 1.7.3. Depth 30" (760 mm)
 - 1.7.4. Door Style: Plexiglass Door
 - 1.7.5. Equipment Load Rating: Up to 200 lb (90.7 kg)
 - 1.7.6. Quantity: EA
 - 1.7.7. Material: Steel
 - 1.7.8. UL: UL
 - 1.7.9. RoHS: Y
- 1.8. Chatsworth CUBE-iT PLUS® Fan Kits “or Equal”**
 - 1.8.1. Attaches over the vents in the side of the Cube-iT Plus Cabinet
 - 1.8.2. Draws air into the cabinet, pressurizing the cabinet and forcing warm air out of the side vents
 - 1.8.3. 115 VAC, 50/60 Hz, 37 dB Fan with 6'L (1.8 m) attached power cord and NEMA 5-15P plug
 - 1.8.4. 230 VAC, 50/60 Hz, 37dB Fan with 6'L (1.8 m) attached power cord and NEMA 6-15P plug
- 1.9. Chatsworth Velocity Standard Pack “or Equal”**
 - 1.9.1. Velocity® Standard Pack includes a 45U x 19" EIA Standard Rack, a double-sided Velocity vertical cable manager and concrete floor installation hardware.
 - 1.9.2. Numbered rack-mount spaces on Standard Rack are printed on the equipment mounting channels, providing the installer a way of positioning equipment in planned spaces.
 - 1.9.3. Includes bonded assembly and a built-in attachment point for a ground (earthing) connection on Standard Rack for attachment to the Telecommunications Ground.

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REQUESTED FOR QUOTATION
STRUCTURED CABLING DISTRIBUTION FOR DISTRICT THREE

- 1.10. TrippLite -SU1000RTXL2UA SmartOnline 120V 1kVA 800W Double-Conversion UPS, 2U **“or Equal”**
 - 1.10.1. 1000VA / 1kVA / 800 watt on-line double-conversion 2U rack/tower UPS
 - 1.10.2. 100/110/120V +/-2% output at 50/60Hz, high efficiency
 - 1.10.3. Economy Mode Option
 - 1.10.4. Expandable runtime, Hot-swap batteries;
 - 1.10.5. 13.5 in / 34.3cm installed depth
 - 1.10.6. USB, RS232 & EPO ports; slot for Network Management Card options
 - 1.10.7. Front panel status LEDs with detailed load and battery metering
 - 1.10.8. 2 independently switchable output load banks
 - 1.10.9. NEMA 5-15P input; 5-15R outlets
- 1.11. TrippLite -SNMPWEBCARD **“or Equal”**
 - 1.11.1. Enables remote UPS management via SNMP, Web, SSH or telnet
 - 1.11.2. Ability to send user-configurable alerts via SNMP, SMS or email
 - 1.11.3. Ability to reboot unresponsive equipment without requiring a site visit
 - 1.11.4. Ability to provide mass configuration and updating of multiple units
 - 1.11.5. Store logs of power events, alerts and electrical data
- 1.12. TrippLite BP24V15RT2U External 24V 2U Rack/Tower Battery Pack **“or Equal”**
 - 1.12.1. Extends the runtime of expandable 24V DC Tripp Lite UPS Systems
 - 1.12.2. Includes mounting accessories for 2U rackmount installation in 2 or 4 post racks
 - 1.12.3. Includes tower support brackets
- 1.13. TrippLite EnviroSense Rack Environment Sensor, Temperature, Humidity **“or Equal”**
 - 1.13.1. Ability to provide remote temperature/humidity monitoring in network environments
- 1.14. TrippLite 2-9USTAND **“or Equal”**
 - 1.14.1. 2U to 9U Tower Stand Kit for select Rack-Mount UPS Systems
- 1.15. Geist RCURN082-101D15ST5-OD **“or Equal”**
 - 1.15.1. Switched, Outlet Level Monitoring, + Environmental Monitoring -- 15A, 120V
 - 1.15.2. Horizontal, (8) NEMA 5-15R, 10 ft power cord with 5-15P, Input, per Circuit/Breaker
 - 1.15.3. Outlet power monitoring with Outlet switching.
 - 1.15.4. Environmental monitoring via optional remote sensors.
 - 1.15.5. Ethernet connectivity.
 - 1.15.6. Local LCD display.
- 1.16. Geist RTAFHD3-12 **“or Equal”**
 - 1.16.1. Remote Temperature, Airflow, Humidity, Dew Point) all-in-one sensor
 - 1.16.1.1. Specifications
 - 1.16.1.1.1. Normal operating range: 5 to 60 °C (41 to 140 °F), 20-80% RH
 - 1.16.1.1.2. Maximum Operating Range: -40 to 85 °C (-40 to 185 °F), 0-100% RH
 - 1.16.1.1.3. Accuracy: +/-0.5 °C (0.9 °F), +/-2% RH (over normal operating range)
 - 1.16.1.1.4. +/-1 °C (1.8 °F) and +/-5% RH (outside of normal operating range)
 - 1.16.1.1.5. Humidity: Normal operating range: 20% to 80% RH
 - 1.16.1.1.6. Accuracy (normal range): +/- 2% RH at 25°C

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STRUCTURED CABLING DISTRIBUTION FOR DISTRICT THREE

- 1.16.1.1.7. Extended range: 0% to 100% RH
- 1.16.1.1.8. Dew Point: -40 to 185 °F (-40 to 85 °C)
- 1.16.1.1.9. Air Flow: 0 to 100 (relative value)
- 1.17. HARGER GBI14420TMGBKT 1/4" X 4" X 20" TMGB KIT "or Equal"**
 - 1.17.1. 1/4"x 4" x 20" ground bar kit
 - 1.17.2. Kit Includes:
 - 1.17.3. Insulators & shelter brackets.
 - 1.17.4. BICSI pattern. 24 pair 5/16" & 6 pair 3/16" holes.
 - 1.17.5. Includes antioxidant tube.
- 1.18. HARGER RGBHKIT14119.25 1/4" X 1" X 19" RACK MOUNT KIT "or Equal"**
 - 1.18.1. 1/4" x 1" x 19-1/4" horizontal equipment rack ground bar.
 - 1.18.2. Kit Includes:
 - 1.18.2.1. (1) 1/4" electrolytic tough pitch copper alloy 110 ground bar,
 - 1.18.2.2. (1) 3" bar splice plate with 2 slotted holes
 - 1.18.2.3. (2) 11/16" WINS: white delrin insulator
 - 1.18.2.4. (2) SMS0126SHWZ
 - 1.18.2.5. 12-24 x 5/8" hex washer head screw
 - 1.18.2.6. (2) #12-24 x 3/4" copper flashed brass screw
 - 1.18.2.7. (2) #12 copper flat washer
 - 1.18.2.8. (8) #6-32 x 1/4" copper flashed brass screw
 - 1.18.2.9. (8) #6 ring terminal

2. Scope of Work Inter Building (CAN) Single-Mode Optical Fiber Backbone

- 2.1. Vendor is responsible for all materials, measurements, and equipment for the complete installation of the Optical Fiber Backbone. Vendor must notify the WV DOT or WV DOT Representative if discrepancies are discovered between the existing conditions and those noted in the specifications,
- 2.2. This Optical Fiber Backbone install requires but will not be limited to the following:
 - 2.2.1. Internal pathways
 - 2.2.2. Aerial span sections
 - 2.2.3. Underground sections in conduit
 - 2.2.4. External attachments and penetrations includes but will not be limited to the following:
 - 2.2.4.1. Aerial and Underground to building attachments
 - 2.2.4.2. Wooden attachments
 - 2.2.4.3. Steel attachments
 - 2.2.4.4. Masonry attachments
 - 2.2.4.5. Utility pole
 - 2.2.4.6. Aerial and Underground to building entrance penetrations
 - 2.2.4.7. Wooden penetrations
 - 2.2.4.8. Steel penetrations
 - 2.2.4.9. Masonry penetrations
 - 2.2.4.10. Utility pole

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STRUCTURED CABLING DISTRIBUTION FOR DISTRICT THREE

2.3. District HQ Building to the Materials Lab

2.3.1. Install 1 (one) 12 (twelve) strand indoor / outdoor single mode fiber from the Main Telecom Room in the District 3 HQ Building to the Materials Lab Telecom Room.

2.4. Materials Lab to the Materials Office

2.4.1. Install 1 (one) 12 (twelve) strand indoor / outdoor single mode fiber from the Materials Lab Telecom Room to the Materials Office Telecom Room.

2.5. District HQ Building to the Equipment Office

2.5.1. Install 1 (one) 12 (twelve) strand indoor / outdoor single mode fiber from the Main Telecom Room in the District 3 HQ Building Equipment Office Telecom Room.

2.6. Equipment Office to the Nelson Building

2.6.1. Install 1 (one) 12 (twelve) strand indoor / outdoor single mode fiber from the Equipment Office Telecom Room to the Nelson Building.

2.7. District HQ Building the Equipment Shop

2.7.1. Install 1 (one) 12 (twelve) strand indoor / outdoor single mode fiber from the Main Telecom Room in the District 3 HQ Building to the Equipment Shop Telecom Room.

2.8. Equipment Shop to the Buildings and Grounds Building

2.8.1. Install 1 (one) 12 (twelve) strand indoor / outdoor single mode fiber from the Equipment Shop Telecom Room to the Building and Grounds Building Telecom Room.

2.9. Buildings and Grounds Building to the Construction Satellite Office

2.9.1. Install 1 (one) 12 (twelve) strand indoor / outdoor single mode fiber from the Building and Grounds Telecom Room to the Construction Satellite Office Telecom Room.

2.10. Construction Satellite Office to the Sign Shop

2.10.1. Install 1 (one) 12 (twelve) strand indoor / outdoor single mode fiber from the Construction Satellite Telecom Room to the Sign Shop Telecom Room

Exhibit_C

CRFQ 0803 DOT1800000016

Department of Transportation Division of Highways Work Locations	Telecom Equip Rooms	Rack	Work Areas Dual Drops	48 Port Ptch Pnl	24 Port Ptch Pnl	12 Port Ptch Pnl	Cat 6 WA-Outlet	Cat 6 Cable	Cat 6 Outside Cable
DOH DISTRICT 3 HEADQUARTERS									
Headquarters Building	1	1	107	8	1		214	37450	750
Materials Office	1	1	9		1		18	3150	
Materials Lab	1	1	3			1	6	1050	
Equipment Office	1	1	13	1			26	4550	
Equipment Shop	1	1	15	1			30	5250	500
Buildings and Grounds Office	1	1	2			1	4	700	
Nelson Building	1	1	27	1			54	9450	500
Sign Shop	1	1	3			1	6	1050	
Construction Satellite	1	1	7		1		14	2450	
DOH COUNTY HQ OFFICES									
Calhoun	1	1	20	1			40	7000	250
Jackson	1	1	20	1			40	7000	250
Pleasants	1	1	20	1			40	7000	255
Ritchie	1	1	20	1			40	7000	250
Roane	1	1	20	1			40	7000	250
Wirt	1	1	20	1			40	7000	250
Wood	1	1	20	1			40	7000	250
DOH SUBSTATIONS									
Corridor D, Section 1 (Pennsboro) Substation	1	1	9		1		18	3150	750
I-77, Section 2 (Medina) Substation	1	1	12	1			24	4200	500
Southern Roane Substation	1	1	8		1		16	2800	
Section 1 / Corridor D, Section 0 Substation	1	1	15	1			30	5250	500
Totals	20	20	370	20	5	3	740	129500	5255

Exhibit_D

CRFQ 0803 DOT1800000016

Department of Transportation Division of Highways Work Locations	Telecom Equip Rooms	Rack	Work Areas Dual Drops	48 Port Ptch Pnl	24 Port Ptch Pnl	12 Port Ptch Pnl	Cat 6 WA-Outlet	Cat 6 Cable	Cat 6 Outside Cable
DOH DISTRICT 3 HEADQUARTERS									
Headquarters Building	1	1	107	8	1		214	37450	750
Materials Office	1	1	9		1		18	3150	
Materials Lab	1	1	3			1	6	1050	
Equipment Office	1	1	13	1			26	4550	
Equipment Shop	1	1	15	1			30	5250	500
Buildings and Grounds Office	1	1	2			1	4	700	
Nelson Building	1	1	27	1			54	9450	500
Sign Shop	1	1	3			1	6	1050	
Construction Satellite	1	1	7		1		14	2450	
DOH COUNTY HQ OFFICES									
Calhoun	1	1	20	1			40	7000	250
Jackson	1	1	20	1			40	7000	250
Pleasants	1	1	20	1			40	7000	255
Ritchie	1	1	20	1			40	7000	250
Roane	1	1	20	1			40	7000	250
Wirt	1	1	20	1			40	7000	250
Wood	1	1	20	1			40	7000	250
DOH SUBSTATIONS									
Corridor D, Section 1 (Pennsboro) Substation	1	1	9		1		18	3150	750
I-77, Section 2 (Medina) Substation	1	1	12	1			24	4200	500
Southern Roane Substation	1	1	8		1		16	2800	
Section 1 / Corridor D, Section 0 Substation	1	1	15	1			30	5250	500
Totals	20	20	370	20	5	3	740	129500	5255

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(f), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL OTHER CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Verizon Business Network Services Inc on behalf of Verizon Select Services Inc

Authorized Signature: Marsha K. Harrell Date: 10/2/17

State of Mississippi

Marsha K Harrell
Senior Analyst
Contract Management

County of Hinds, to-wit:

Taken, subscribed, and sworn to before me this 2 day of October, 2017

My Commission expires May 3, 2021.

AFFIX SEAL HERE



NOTARY PUBLIC

Karen Blue Johnson

Purchasing Affidavit (Revised 07/07/2017)

AGREEMENT ADDENDUM

In the event of conflict between this addendum and the agreement, this addendum shall control:

1. **DISPUTES** – Any references in the agreement to arbitration or to the jurisdiction of any court are hereby deleted. Disputes arising out of the agreement shall be presented to the West Virginia Court of Claims.
2. **HOLD HARMLESS** – Any clause requiring the Agency to indemnify or hold harmless any party is hereby deleted in its entirety.
3. **GOVERNING LAW** – The agreement shall be governed by the laws of the State of West Virginia. This provision replaces any references to any other State's governing law.
4. **TAXES** – Provisions in the agreement requiring the Agency to pay taxes are deleted. As a State entity, the Agency is exempt from Federal, State, and local taxes and will not pay taxes for any Vendor including individuals, nor will the Agency file any tax returns or reports on behalf of Vendor.
5. **PAYMENT** – Any reference to prepayment are deleted. Payment will be in arrears.
6. **INTEREST** – Any provision for interest or charges on late payments is deleted. The Agency has no statutory authority to pay interest or late fees.
7. **NO WAIVER** – Any language in the agreement requiring the Agency to waive any rights, claims or defenses is hereby deleted.
8. **FISCAL YEAR FUNDING** – Service performed under the agreement may be continued in succeeding fiscal years for the term of the agreement, contingent upon funds being appropriated by the Legislature or otherwise being available for this service. In the event funds are not appropriated or otherwise available for this service, the agreement shall terminate without penalty on June 30. After that date, the agreement becomes of no effect and is null and void. However, the Agency agrees to use its best efforts to have the amounts contemplated under the agreement included in its budget. Non-appropriation or non-funding shall not be considered an event of default.
9. **STATUS OF LIMITATIONS** – Any clauses limiting the time in which the Agency may bring suit against the Vendor, lessor, individual, or any other party are deleted.
10. **SIMILAR SERVICES** – Any provisions limiting the Agency's right to obtain similar services or equipment in the event of default or non-funding during the term of the agreement are hereby deleted.
11. **FEES OR COSTS** – The Agency recognizes an obligation to pay attorney's fees or costs only when assessed by a court of competent jurisdiction. Any other provision is invalid and considered null and void.
12. **ASSIGNMENT** – Notwithstanding any clause to the contrary, the Agency reserves the right to assign the agreement to another State of West Virginia agency, board or commission upon thirty (30) days written notice to the Vendor and Vendor shall obtain the written consent of Agency prior to assigning the agreement.
13. **LIMITATION OF LIABILITY** – The Agency, as a State entity, cannot agree to assume the potential liability of a Vendor. Accordingly, any provision limiting the Vendor's liability for direct damages to a certain dollar amount or to the amount of the agreement is hereby deleted. Limitations on special, incidental or consequential damages are acceptable. In addition, any limitation is null and void to the extent that it precludes any action for injury to persons or for damages to personal property.
14. **RIGHT TO TERMINATE** – Agency shall have the right to terminate the agreement upon thirty (30) days written notice to Vendor. Agency agrees to pay Vendor for services rendered or goods received prior to the effective date of termination.
15. **TERMINATION CHARGES** – Any provision requiring the Agency to pay a fixed amount or liquidated damages upon termination of the agreement is hereby deleted. The Agency may only agree to reimburse a Vendor for actual costs incurred or losses sustained during the current fiscal year due to wrongful termination by the Agency prior to the end of any current agreement term.
16. **RENEWAL** – Any references to automatic renewal is hereby deleted. The agreement may be renewed only upon mutual written agreement of the parties.
17. **INSURANCE** – Any provision requiring the Agency to purchase insurance for Vendor's property is deleted. The State of West Virginia is insured through the Board of Risk and Insurance Management, and will provide a certificate of property insurance upon request.
18. **RIGHT TO NOTICE** – Any provision for repossession of equipment without notice is hereby deleted. However, the Agency does recognize a right of repossession with notice.
19. **ACCELERATION** – Any reference to acceleration of payments in the event of default or non-funding is hereby deleted.
20. **CONFIDENTIALITY** – Any provision regarding confidentiality of the terms and conditions of the agreement is hereby deleted. State contracts are public records under the West Virginia Freedom of Information Act.
21. **AMENDMENTS** – All amendments, modifications, alterations or changes to the agreement shall be in writing and signed by both parties. No amendment, modification, alteration or change may be made to this addendum without the express written approval of the Purchasing Division and the Attorney General.
22. **DELIVERY** – All deliveries under the agreement will be FOB Destination unless otherwise stated in the State's original solicitation. Any contrary delivery terms are hereby deleted.

ACCEPTED BY:

State of West Virginia

Spending Unit: _____

Signed: _____

Title: _____

Date: _____

Verizon Business Network Services Inc. on behalf of
Verizon Select Services Inc.

Company Name: _____
Signed: Marsha K. Harrell

Title: **Marsha K Harrell**
Senior Analyst
Date: _____
Contract Management

10/2/17

BID BOND PREPARATION INSTRUCTIONS

AGENCY (A) _____
RFQ/RFP# (B) _____

Bid Bond

- (A) WV State Agency
(Stated on Page 1 "Spending Unit")
- (B) Request for Quotation Number (upper right corner of page #1)
- (C) Your Business Entity Name (or Individual Name if Sole Proprietor)
- (D) City, Location of your Company
- (E) State, Location of your Company
- (F) Surety Corporate Name
- (G) City, Location of Surety
- (H) State, Location of Surety
- (I) State of Surety Incorporation
- (J) City of Surety's Principal Office
- (K) Minimum amount of acceptable bid bond is 5% of total bid. You may state "5% of bid" or a specific amount on this line in words.
- (L) Amount of bond in numbers
- (M) Brief Description of scope of work
- (N) Day of the month
- (O) Month
- (P) Year
- (Q) Name of Business Entity (or Individual Name if Sole Proprietor)
- (R) Seal of Principal
- (S) Signature of President, Vice President, or Authorized Agent
- (T) Title of Person Signing for Principal
- (U) Seal of Surety
- (V) Name of Surety
- (W) Signature of Attorney in Fact of the Surety

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, _____ (C) of _____ (D) _____ (E) as Principal, and _____ (F) of _____ (G) _____ (H), a corporation organized and existing under the laws of the State of _____ (I) with its principal office in the City of _____ (J) _____, as Surety, are held and firmly bound unto The State of West Virginia, as Obligee, in the penal sum of _____ (K) (\$ _____ (L) _____) for the payment of which, well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the Department of Administration a certain bid or proposal, attached hereto and made a part hereof to enter into a contract in writing for _____ (M) _____

NOW THEREFORE

(a) If said bid shall be rejected, or
(b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the agreement created by the acceptance of said bid then this obligation shall be null and void, otherwise this obligation shall remain in full force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated

The Surety for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of time within which the Obligee may accept such bid; and said Surety does hereby waive notice of any such extension.

WITNESS, the following signatures and seals of Principal and Surety, executed and sealed by a proper officer of Principal and Surety, or by Principal individually if Principal is an individual, the (N) day of (O) _____, 20 (P) _____.

Principal Seal _____ (Q)
(Name of Principal)
(R) By _____ (S)
(Must be President, Vice President, or Duly Authorized Agent)

(T)
Title
Surety Seal _____ (V)
(Name of Surety)

(W)
Attorney-in-Fact

NOTE 1: **Dated Power of Attorney with Surety Seal must accompany this bid bond.**

IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance, must affix its seal, and must attach a power of attorney with its seal affixed.

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, _____
of _____, _____, as Principal, and _____
of _____, _____, a corporation organized and existing under the laws of the State of _____
with its principal office in the City of _____, as Surety, are held and firmly bound unto the State
of West Virginia, as Obligee, in the penal sum of _____ (\$ _____) for the payment of which,
well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for

NOW THEREFORE,

- (a) If said bid shall be rejected, or
- (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal
attached hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform
the agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in
full force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no
event, exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no
way impaired or affected by any extension of the time within which the Obligee may accept such bid, and said Surety does hereby
waive notice of any such extension.

WITNESS, the following signatures and seals of Principal and Surety, executed and sealed by a proper officer of Principal and
Surety, or by Principal individually if Principal is an individual, this _____ day of _____, 20_____.

Principal Seal

(Name of Principal)

By _____
(Must be President, Vice President, or
Duly Authorized Agent)

(Title)

Surety Seal

(Name of Surety)

Attorney-in-Fact

**IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance, must affix its seal, and
must attach a power of attorney with its seal affixed.**

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Verizon Select Services Inc.
of 6665 N McArthur, Irving, TX 75038, as Principal, and Liberty Mutual Insurance
Company of 175 Berkeley Street, Boston, MA 02116, a corporation organized and existing under the laws of the State of MA
with its principal office in the City of Boston, as Surety, are held and firmly bound unto the State
of West Virginia, as Obligee, in the penal sum of Five Percent of Bid Amount (\$ 5%) for the payment of which,
well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for
Structured Cabling - District 3 - DOT 1800000016

NOW THEREFORE,

- (a) If said bid shall be rejected, or
- (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal
attached hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform
the agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in
full force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no
event, exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no
way impaired or affected by any extension of the time within which the Obligee may accept such bid, and said Surety does hereby
waive notice of any such extension.

WITNESS, the following signatures and seals of Principal and Surety, executed and sealed by a proper officer of Principal and
Surety, or by Principal individually if Principal is an individual, this 2nd day of October, 2017.

Principal Seal

Verizon Select Services Inc.
(Name of Principal)
By [Signature]
(Must be President, Vice President, or
Duly Authorized Agent)
Vice President - TAXES
(Title)

Surety Seal

Liberty Mutual Insurance Company
(Name of Surety)
[Signature]
Attorney-in-Fact

**IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance, must affix its seal, and
must attach a power of attorney with its seal affixed.**

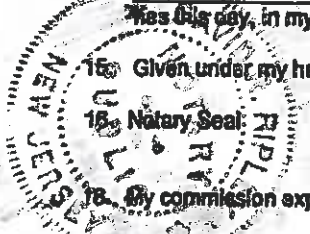
ACKNOWLEDGEMENTS

Acknowledgement by Principal if Individual or Partnership

- 1. STATE OF N/A
- 2. County of _____ to-wit:
- 3. I, _____, a Notary Public in and for the
- 4. county and state aforesaid, do hereby certify that _____ whose name is signed to the foregoing writing, has this day acknowledged the same before me in my said county.
- 5. Given under my hand this _____ day of _____.
- 6. Notary Seal
- 7. _____ (Notary Public)
- 8. My commission expires on the _____ day of _____.

Acknowledgement by Principal if Corporation

- 9. STATE OF New Jersey
- 10. County of Somerset to-wit:
- 11. I, David R. Ripley, a Notary Public in and for the
- 12. county and state aforesaid, do hereby certify that Scott Cordy
- 13. who as, V.P. TAXES signed the foregoing writing for
- 14. Verizon Select Services Inc. a corporation,

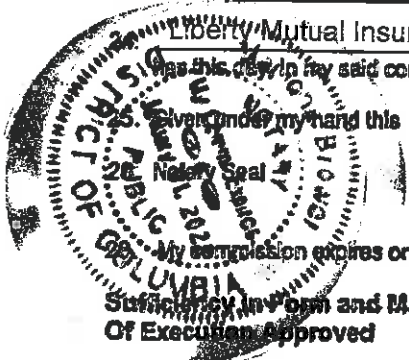


David R Ripley
Notary Public of New Jersey
Commission Expires 10/05/2019

- 15. Given under my hand this 2nd day of October 2017.
- 16. Notary Seal
- 17. David R. Ripley (Notary Public)
- 18. My commission expires on the 5th day of October 2019.

Acknowledgement by Surety

- 19. STATE OF District of Columbia
- 20. County of _____ to-wit:
- 21. I, Marlena Brower, a Notary Public in and for the
- 22. county and state aforesaid, do hereby certify that Christine Hession
- 23. who as, Attorney-in-Fact signed the foregoing writing for
- Liberty Mutual Insurance Company a corporation,



- 24. Given under my hand this 2nd day of October 2017.
- 25. Notary Seal
- 26. _____ (Notary Public)
- 27. My commission expires on the 1st day of January 2022.

Sufficiency in Form and Manner Of Execution Approved

Attorney General

This _____ day of _____ By _____ (Assistant Attorney General)

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7553812

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Christine Hession; David A. Wysong; Elvia E. Foil; Kim Sullivan; Lori Baybutt; Manuel L. Jones

all of the city of Washington, state of DC each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 28th day of November, 2016



The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 28th day of November, 2016, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2017
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts - SECTION 5 Surety Bonds and Undertakings Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 2 day of October, 2017.



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

VERIZON BUSINESS SERVICE AGREEMENT

Verizon Business Network Services Inc. on behalf of Verizon Select Services Inc. One Verizon Way Basking Ridge, NJ 07920	State of West Virginia ("Customer") WV Dept. of Transportation, WV Division of Highways – District Three
By: <u>Marsha K. Harrell</u>	By: _____
Name: _____	Name: _____
Title: Marsha K Harrell	Title: _____
Senior Analyst	
Date: _____	Date: _____
Contract Management	

TERMS AND CONDITIONS

This Verizon Business Service Agreement ("Agreement") is made by and between "Verizon," which refers to Verizon Business Network Services Inc., on behalf of Verizon Select Services Inc. and the West Virginia State Treasurer's Office. This Agreement is binding upon execution by the parties named above. The pricing in this Agreement is effective when Service (defined below) is installed following execution and delivery of this Agreement by Customer to Verizon, except where a Service Attachment indicates otherwise for a particular service ("Effective Date"). Pricing and/or promotional benefits in this Agreement may not be available if it is signed and delivered to Verizon after the dates, if any, set forth in attachments or exhibits to this Agreement.

Customer Consent to Use of CPNI (Not Applicable to Arizona Customers). In order to better serve Customer by offering additional products and services, Verizon, Verizon Wireless and their affiliates (the "Verizon Companies") may need to use and share certain Customer information as described herein. The Federal Communications Commission ("FCC") and various states require the Verizon Companies to protect information relating to the quantity, technical configuration, type, destination, location, and amount of use of their customers' telecommunications and interconnected VoIP services purchased from the Verizon Companies, and related local and toll billing information ("CPNI"). The Verizon Companies acknowledge that, under law, they have a duty to protect, and Customer has a right to protection of, the confidentiality of CPNI. By signing this Agreement, Customer grants the Verizon Companies permission to use, to permit access to, and to disclose Customer's CPNI and other Confidential Information among the Verizon Companies and to their agents, contractors and partners, solely so they can offer Customer their current and future products and services. Customer represents that it has the authority to consent, and does consent, on behalf of its current and future affiliates that receive services and products from the Verizon Companies, that the Verizon Companies may use, disclose, and permit access to CPNI and Confidential Information as stated above; and may disclose CPNI and Confidential Information of any affiliate participating hereunder to Customer upon Customer's request. Customer may withdraw or limit its consent at any time via email at cpni-notices@verizon.com. This is the only way to withdraw consent for the Verizon Companies' use and sharing of Customer's CPNI and Confidential Information, as described above, and all other notices and elections for consenting or withdrawing consent are superseded by this notice and consent. Customer's consent will remain valid until Verizon receives a notice withdrawing consent. Withdrawal or limitation of consent will not affect the provision of services to Customer.

ILECS and Verizon Wireless. The Terms and Conditions below do not apply to Services provided by Verizon incumbent local exchange carriers ("ILECs") or by Cellco Partnership and its affiliates d/b/a Verizon Wireless ("Verizon Wireless"), which are governed solely by the Service Attachments for such Services and, in the case of ILEC Services, applicable Tariffs (defined below). A Verizon Wireless Service Attachment becomes a part of this Agreement only once it is executed by Verizon Wireless and the Customer.

- 1. Services.** Verizon will provide the products and services ("Services") in the Service Attachments. Each Verizon entity contracting under this Agreement is only responsible for the performance of its Services as set forth in this Agreement and the relevant Service Attachment(s), and is not responsible for performance of any other entity's obligations thereunder.
- 2. Term and Survival.** The "Initial Term" begins on the Effective Date and ends upon the completion of thirty (30) days, at which time the Agreement is automatically extended ("Extended Term") on a month-to-month basis until either party terminates it upon 60 days prior written notice. The terms of this Agreement will continue to apply during any service-specific commitments that extend beyond the Term. "Term" means the Initial Term and Extended Term.
- 3. Tariff and Guide.** DELETED
- 4. Rates and Charges; Governmental Charges; Taxes.** Customer agrees to pay the rates and charges specified in the RFQ response.

5. **Annual Volume Commitment.** Customer agrees to pay Verizon no less than Zero Dollars (\$0.00) in Total Service Charges (defined below) in each twelve-month period during the Initial Term ("Contract Year"), which is the annual volume commitment ("AVC"). "Total Service Charges" means all charges, after application of all discounts and credits, incurred by Customer for Services provided under this Agreement, excluding Taxes, Governmental Charges, equipment, Verizon ILEC, Verizon Wireless, non-recurring, goods and services acquired by Verizon as Customer's agent, international access that is passed-through (Type 3/PTT) or provided by Verizon (Type 1) and other charges expressly excluded by this Agreement.

6. **Underutilization and Early Termination Charges.** If Customer's Total Service Charges do not reach the AVC in any Contract Year during the Term, Customer shall pay an "Underutilization Charge" equal to 0% of the unmet AVC. If: (a) Customer terminates this Agreement before the end of the Term for reasons other than Cause; or (b) Verizon terminates this Agreement for Cause pursuant to the Section entitled "Termination; Disconnection Notice," then Customer will pay, within thirty (30) days after such termination: (i) an amount equal to 0% of the unsatisfied AVC remaining during the year of termination, and for each subsequent Contract Year remaining in the Term, plus (ii) a pro rata portion of any and all credits received by Customer.

7. **Payment.** Customer will pay all Verizon charges (except Disputed amounts) within 30 days of invoice date. Customer will pay a late payment charge on any amount not paid or Disputed within such 30 days, equal to the lesser of: (a) 1.5% per month, or (b) the maximum amount allowed by applicable law. If Customer's account(s) reflect a credit balance, Customer must designate, in writing, within such 30 days the account(s) and charges to which such credit balances are to be applied; Verizon may elect to apply any undesignated credit balance(s) to the account(s) with the oldest unpaid charges. For the avoidance of doubt, the foregoing credit balances will only be applied to accounts for the same Customer entity. A "Disputed" amount is one for which Customer has given Verizon written notice, adequately supported by bona fide explanation and documentation. Any invoiced amount not Disputed within 6 months of the invoice date is deemed correct and binding on Customer. Customer is liable for all fees and expenses, including attorney's fees, reasonably incurred by Verizon in attempting to collect any charges owed under this Agreement.

8. **Termination; Disconnection Notice.** Either party may terminate this Agreement for Cause. "Cause" means (a) Customer's failure to pay any invoice (excluding Disputed amounts) within 10 days of receiving notice that payment is overdue, or (b) for all other matters, breach by a party of a material provision of this Agreement that the breaching party has not cured within 30 days of receiving notice from the non-breaching party. Verizon may interrupt Service without notice if necessary to prevent or protect against fraud or otherwise protect Verizon's personnel, facilities or services. Customer must provide prior written notice for the disconnection of Service.. Notwithstanding such notice, Customer remains liable for any applicable early termination charges in this Agreement.

9. **Confidential Information.** Except as required by law or regulation, each party promises that during the Term and for three years after, it will use the other party's Confidential Information only for purposes of this Agreement, not disclose it to third parties except as provided below, and protect it from disclosure using the same degree of care it uses for its own similar Confidential Information (but no less than a reasonable degree of care). Such a party may disclose the other party's Confidential Information only to its employees, agents and subcontractors (including professional advisors and auditors), and to those of its Affiliates, who have a need to know for purposes of this Agreement, and who are bound to protect it from unauthorized use and disclosure under the terms of a written agreement at least as protective of the other party's Confidential Information as the related terms of this Agreement. In any case, a party is responsible for the treatment of Confidential Information by any third party to whom it discloses it under the preceding sentence. "Confidential Information" means information (in whatever form) (i) designated as confidential; (ii) relating to this Agreement or potential changes to it; (iii) relating to the other party's business affairs, customers, products, developments, trade secrets, know-how or personnel; or (iv) received or discovered at any time that this Agreement is in effect, or otherwise in connection with this Agreement, by a party (including through an affiliate or other agent), which information should reasonably have been understood as Confidential Information of the party (or one of its affiliates or subcontractors), either because of legends or other markings, the circumstances of disclosure or the nature of the information itself. Confidential Information does not include information that: (a) is in the possession of the receiving party free of any obligation of confidentiality at the time of its disclosure; (b) is or becomes publicly known other than by a breach of this provision; (c) is received without restriction from a non-party free to disclose it; or (d) is developed independently by the receiving party without reference to the Confidential Information. In addition, information, whether or not Confidential Information, may be disclosed by a receiving party as may be required or authorized by applicable law, rule, regulation, or lawful process provided that the receiving party, to the extent practicable and permitted by applicable law, rule, regulation, or lawful process, first notifies the disclosing party in order to permit the disclosing party to seek reasonable protective arrangements. Verizon may share Confidential Information for the purposes described in the paragraph entitled "Customer Consent to Use of CPNI" above. Confidential Information (excluding CPNI that is also Confidential Information) remains the property of the disclosing party and, upon request of the disclosing party, must be returned or destroyed at the end of this Agreement or the applicable Contract. If there is a breach or threatened breach of this confidentiality provision, the disclosing party will be entitled to seek specific performance and injunctive or other equitable relief as a non-exclusive remedy. This clause does not prevent a party from announcing the existence of the terms of this Agreement or the applicable Contract internally (e.g., to its employees and Affiliates). Verizon shall not be deemed to have received, obtained, discovered, processed, stored, maintained, been given or

required access to Customer Confidential Information or Customer sensitive personal data, solely by virtue of the fact that (i) Customer receives, transmits, obtains or otherwise exchanges such information through its use of the Services (including without limitation any of Verizon's voice, data, and/or Internet services included in the Services) or (ii) Verizon's Services to Customer may involve the hosting, collocation, transport or other similar handling of such information. Customer is responsible for taking steps to protect the confidentiality and integrity of information, including without limitation Customer Confidential Information or Customer sensitive personal data, that it receives, transmits, obtains or otherwise exchanges with third parties through its use of the Services, by using, for example, encryption or other security measures for its network transmissions.

10. Protection of Customer CPNI and Provision of Customer CPNI to Authorized Customer Representatives.

10.1 Verizon will protect the confidentiality of Customer CPNI in accordance with applicable laws, rules and regulations. Verizon may access, use, and disclose Customer CPNI as permitted or required by applicable laws, rules, and regulations or this Agreement.

10.2 Provided that Customer is served by at least one dedicated Verizon representative under the Service Agreements (that can be reached by Customer by means other than calling through a call center) and as permitted or required by applicable law, Verizon may provide Customer CPNI (including, without restriction, call detail) to representatives authorized by Customer ("Authorized Customer Representatives" as defined below) in accordance with the following.

10.3 Verizon may provide Customer CPNI to Authorized Customer Representatives via any means authorized by Verizon that is not prohibited by applicable laws, rules, or regulations, including, without restriction: to the Customer's email address(es) of record (if any) or other email addresses furnished by Authorized Customer Representatives, to the Customer's telephone number(s) of record or other telephone numbers provided by Authorized Customer Representatives, to the Customer's postal (US Mail) address(es) of record or to other postal addresses furnished by Authorized Customer Representatives, or via Verizon's on-line customer portal or other on-line communication mechanism.

10.4 Authorized Customer Representatives include Customer employees, Customer agents, or Customer contractors, other than Verizon, who have existing relationships on behalf of Customer with Verizon customer service, account, or other Verizon representatives and all other persons authorized in written notice(s) (including email) from Customer to Verizon. Authorized Customer Representatives shall remain such until Customer notifies Verizon in writing that they are no longer Authorized Customer Representatives as described below. Customer agrees, and will cause Authorized Customer Representatives, to abide by reasonable authentication and password procedures developed by Verizon in connection with disclosure of Customer CPNI to Authorized Customer Representatives.

10.5 Customer's notices of authorization or deauthorization must be sent to your service or account manager, and must contain the following information:

- the name, title, postal address, email address, and telephone number of the person authorized or deauthorized
- that the person is being authorized, or is no longer authorized, (as applicable) to access CPNI
- the full corporate name of the Customer whose CPNI (and whose affiliates' CPNI) the person can access (or can no longer access, if applicable)

10.6 During the Service Agreements, Customer will at all times have designated, below, in an attachment containing the same data elements listed below, or in a separate writing sent to the service manager or account manager, up to three representatives ("CPNI Authorizers") with the power to authorize Customer representatives to access CPNI under this Agreement. Additions or removals of CPNI Authorizers will be effective within a reasonable period after Verizon has received a signed writing of the change, including the affected person(s)' name, title, postal address, email address and telephone number.

Name	Title	Tel. No.	Email	Postal Address

11. DISCLAIMER OF WARRANTIES. EXCEPT AS SPECIFICALLY SET FORTH IN THIS AGREEMENT, VERIZON MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO ANY VERIZON SERVICES, SOFTWARE OR DOCUMENTATION. VERIZON SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NONINFRINGEMENT OF THIRD-PARTY RIGHTS, OR ANY WARRANTIES ARISING FROM A COURSE OF DEALING, USAGE OR TRADE PRACTICE.

12. Disclaimer of Certain Damages/Limitation of Liability.

12.1 **Disclaimer of Certain Damages.** No party to this Agreement is liable to any other for any indirect, consequential, exemplary, special, incidental or punitive damages, or for loss of use or lost business, revenue, profits, savings, or goodwill, arising in connection with this Agreement, the Services, related products, or documentation, even if the party has been advised, knew or should have known of the possibility of such damages. Nonetheless, each party is liable to the other party for consequential damages resulting from a breach of its confidentiality obligations under Section 9 (Confidential Information) of this Agreement.

12.2 **Limitation of Liability.** Without limiting the provisions of the Disclaimer of Certain Damages sub-section above, the total liability of either Customer or Verizon in connection with this Agreement and the Services is limited to the lesser of (i) direct damages proven by the claiming part(ies) or (ii) the aggregate amounts paid by Customer to Verizon under this Agreement for the six months prior to accrual of the latest cause of action for which the limitation of liability under this sub-section is being calculated (excluding amounts for equipment and the Services of Verizon ILECs, Cybertrust, and Verizon Wireless). Verizon's liability with respect to individual Services may also be limited pursuant to other terms and conditions of this Agreement.

12.3 **Exclusions.** The Limitation of Liability sub-section above does not limit (A) any party's liability: (i) in tort for damages proximately caused by its willful or intentional misconduct, or by its gross negligence, or (ii) where mandatory local law does not allow the limitation, (B) Customer payment obligations under this Agreement, (C) Verizon obligations to provide credits and waivers under this Agreement or (D) any party's indemnification obligations under this Agreement. The liability restrictions in this section apply whether liability is asserted in contract, warranty, tort or otherwise (including negligence, strict liability, misrepresentation, and breach of statutory duty). The liability restrictions in this section, and the disclaimer of warranties in the preceding section, apply equally to Verizon's suppliers and contractors as they do to Verizon.

13. **Assignment.** Either party may assign this Agreement or any of its rights hereunder to an affiliate or successor upon notice to the other party. A Customer affiliate or successor must meet Verizon's creditworthiness standards for the assignment to become effective. All other assignments without prior written consent are void.

14. **Service Marks, Trademarks and Name.** Neither Verizon nor Customer may: (a) use any service mark or trademark of the other party; or (b) refer to the other party in connection with any advertising, promotion, press release or publication unless it obtains the other party's prior written approval.

15. **Compliance with Law; Governing Law; Dispute Resolution.** Each party represents and warrants that it will comply with all federal, state, and local laws applicable to the provision or performance of the Services under this Agreement. This Agreement is governed by the laws of the State of West Virginia without regard to its choice of law principles. Non-U.S. Services are subject to applicable local laws and regulations in any countries where those Services originate or terminate, including applicable locally filed Tariffs. .

16. **Notice.** Except as otherwise set forth in any other clause of this Agreement, any notice required to be given under this Agreement will be in writing, and transmitted via any of email, overnight courier, hand delivery, a class of certified or registered mail, that includes return of proof of receipt, to Customer at the address set out in page 1 of the Agreement, and to Verizon at the addresses below. Notice sent in accordance with this clause will be deemed effective when received, except for email notice which will be deemed effective the day after being sent. A party may from time to time designate another address or addresses by written notice to the other party in compliance with this clause.

Verizon Business Services
6415-6455 Business Center Drive
Highlands Ranch, CO 80130
Attn: Customer Service

Verizon Business Services
500 Summit Lake Drive - Office 4-04
Valhalla, NY 10595
Attn: Vice President, Legal

Email: notice@verizon.com with a subject of 'OFFICIAL LEGAL NOTICE'

17. **Acceptable Use.** DELETED

18. **Entire Agreement.** This Agreement (including Service Attachments and Exhibits referenced herein, and other documents incorporated by reference) constitutes the entire agreement between the parties with respect to the subject matter of this Agreement and supersedes all other prior or contemporaneous representations, understandings or agreements. Except as otherwise expressly stated herein, no amendment to this Agreement is valid unless in writing and signed by both parties.

**VOICE AND DATA EQUIPMENT AND
RELATED SERVICES ATTACHMENT**

Part I: Rates and Charges.

1. Customer will pay all charges for the System and CPE Services as set forth on the applicable quote or SOW, subject to additions and deductions made by written Change Order(s). System and CPE Services rates and charges do not contribute to the annual volume commitment ("AVC") of the Agreement or any other minimum purchase requirement. Terms not defined herein are defined pursuant to the Agreement.
 - 1.1 **Service Provider.** The products and services under this Voice and Data Equipment and Related Services Attachment (the "CPE Service and System Terms") and any related Statements of Work ("SOW") are provided by the entities indicated in the applicable quote (referred to herein, individually and collectively, as "Verizon") except as otherwise explicitly noted.
 - 1.2 **Landed Costs.** Customer will pay charges including but not limited to any and all import duties, freight, shipping, and delivery charges or charges arising in connection with the delivery of the System, as well as tax charges, if applicable (collectively "Landed Costs"). The invoice for Landed Costs may be delivered as a separate invoice.
 - 1.3 **Quoted Charges.** Customer will pay the charges stated on Verizon's documentation of an Order for a System or CPE Services provided that the charges are current. For purposes of this provision, "current" means (a) for CPE Services and for a System quoted in the same currency that the ordered System or CPE Services has been purchased in (the "Vendor Currency"), that the charges were first quoted within 45 days of the Order's acceptance; (b) for a currency that is not the Vendor Currency that the charges were first quoted within 14 days of the Order's acceptance; for charges first quoted between 15 and 45 days of order submission, charges may be adjusted to reflect currency changes up to the time of Order acceptance. Verizon will not change a Customer's quote based on any non-currency-related change (e.g., the underlying vendor's price) for 45 days in any case.
 - 1.4 **Re-initiation Fees.** Customers ordering Maintenance Service for Systems not currently under Maintenance Service may be subject to re-initiation fees.

Part II: Service Description and Requirements.

1. **CPE and CPE Services.** Customer may place an Order for the purchase of customer premises equipment ("CPE") and Software (individually and collectively the "System") pursuant to the terms hereof, including the purchase of CPE for delivery to certain international locations. Where available, Customer may also order CPE Deployment Services, maintenance, lease or finance of a System or CPE services, each as further defined below, and other services pursuant to a Schedule (individually and collectively "CPE Services") CPE Services. CPE Services may be detailed in a SOW or a specific CPE Service schedule ("Schedule"). Terms for CPE Services may be further supplemented by service descriptions, end user license agreements and terms set forth by the respective equipment manufacturer, third party supplier, finance entity, or other third party providing services to Customer (collectively and individually referred to as "Third Party Services Agreement") generally available on their respective websites or set forth herein. Any such SOW, Schedule and applicable Third Party Services Agreement shall become incorporated as part of the Agreement.
 - 1.1 Customer may also Order one or more of the following CPE Services at certain international locations provided that i) Verizon has approved each location and ii) such location has Verizon Managed Service and Verizon transport: a) CPE Solutions Financing; b) CPE Deployment Services, c) Maintenance Service; and d) Maintenance Takeover Service (collectively, "International CPE Services").
2. **Customer Responsibilities.** As applicable for System or CPE Services orders and as offered by each region, Customer will:
 - 2.1 Notify Verizon of any site-specific requirements that might impact Verizon's ability to access such site, e.g. safety or security training ("Training"). Verizon will comply with such Training requirements, however, Verizon reserves the right to bill Customer for the time required for Training at Verizon's then current labor rate. Customer will provide necessary badges, escorts, etc. required for site access per Customer's security and safety policies.
 - 2.2 Provide suitable building facilities for the System including but not limited to equipment rack space, ducting, conduit, structural borings, etc. for cable and conductors in floors, ceilings and walls; electrical service with suitable terminals and power surge protection devices; and metallic grounds with sufficient slack in the equipment room, installed in conformity with applicable electrical codes, regulations, and laws, including but not limited to electrical, building, safety, and health and as required by Verizon and manufacturer specifications, as applicable.
 - 2.3 Provide a suitable environment in which the System can operate, including, but not limited to, necessary power conditioning, heating, cooling, humidity and dust control, and accessibility for the System as required by Verizon and manufacturer specifications.
 - 2.4 Remove existing equipment or cables that interfere with the provision of CPE Services.

- 2.5 Identify and disclose to Verizon concealed equipment, wiring or conditions that might be affected by or might affect the CPE Services. If during the provision of CPE Services, Verizon encounters any concealed or unknown condition not expressly set forth in an SOW, and such condition affects the charges or schedule for performance of CPE Services, the charges and/or the schedule will be equitably adjusted using the Change Order procedure.
 - 2.6 Customer will provide System interconnection requirements, non-Verizon transport, out of band connectivity, and carrier circuit facilities, as required, including obtaining telephone service for testing where necessary or authorize Verizon, at Customer's expense, to make service requests upon third parties for such System requirements, pursuant to a letter of authorization or similar document.
 - 2.7 Upon Verizon's request, where Customer has purchased maintenance from third parties, Customer will authorize Verizon to engage such third party on behalf of Customer pursuant to a letter of authorization or similar document.
 - 2.8 Designate waste deposit points on each floor on which the System is to be installed where Verizon will place waste for removal by Customer.
 - 2.9 Cooperate with Verizon's requests for assistance.
 - 2.10 Be responsible for providing adequate back-up of data and software and for restoring data and software to any system that is or may be impacted by a CPE Service, including but not limited to drivers applications, and operating systems as required prior to Verizon provision of the CPE Service.
 - 2.11 Be solely responsible for selection, implementation and maintenance of security features for defense against unauthorized long distance calling, and for payment of long distance, toll and other telecommunications charges incurred through use of the System.
 - 2.12 Be responsible for the accuracy and completeness of all information it provides. If information is incomplete or incorrect, or if information is discovered during the course of the performance of CPE Services that could not be reasonably anticipated by Verizon, any additional work required will be treated as a change to the scope of the System or CPE Services and will require a Change Order.
 - 2.13 Designate a single point of contact ("SPOC") who will be responsible and authorized to (i) make all decisions and give all approvals which Verizon may need from Customer, and (ii) provide Verizon's personnel on a timely basis with all information, data, access and support reasonably required for its performance under these CPE Service and System Terms or the applicable SOW, including, but not limited to, making available appropriate personnel to work with Verizon as Verizon may reasonably request.
 - 2.14 Provide, at no charge to Verizon, office space and equipment, including but not limited to copy machines, fax machines and modems, high speed Internet access and adequate secure area for storage of related equipment.
 - 2.15 Comply with all obligations set forth in any applicable Third Party Services Agreements.
 - 2.16 Immediately notify Verizon of any anticipated delay including a delay in building availability or inability to meet any of the above listed requirements. Where Verizon is unable to provide CPE Services due to a Customer related delay Verizon shall be entitled to invoice additional charges at its then current time and material rates and/or rescheduling fees, as applicable, (each available on request) for any time and resources expended by Verizon.
3. **CPE Deployment Services.** Where available, Verizon can provide CPE Deployment Services as described in this section below. Verizon will provide CPE Deployment Services in accordance with any applicable quote, these CPE Service and System Terms, and any applicable SOWs. Verizon will furnish all supervision, labor, equipment, materials and supplies required to complete CPE Deployment Services.
 - 3.1 **Basic Staging.** Verizon will stage and then ship a System to Customer designated locations as shown in the applicable Order. Verizon will work remotely with the SPOC to coordinate staging and delivery of the System and activation of Verizon maintenance, if applicable. Staging occurs within the location designated by Verizon in cooperation with Customer. Verizon will, as applicable, unpack and verify CPE with package documentation, record serial numbers, load operating system and incremental operating system changes, apply Customer-provided asset tags, power-up test, repackage, and ship.
 - 3.2 **Enhanced Staging.** Verizon will configure the System with Customer provided configurations in addition to the activities of Basic Staging
 - 3.3 **Installation.** After completion of the Basic or Enhanced Staging services, as applicable, Verizon will deliver the System to the Customer designated locations as shown in the applicable Order and install the System on Customer-provided racks or other facilities. Verizon will verify System power-up and operation of network interfaces. No demarc extension is provided with Installation. Remote activation of the System and transport connectivity will be provided with Verizon transport services only or in certain locations where Verizon has specifically pre-approved remote activation. Local area network configuration or activation is not included with Installation.
 - 3.4 **Equipment Implementation.** In addition to the activities shown in the Installation section above, for Equipment Implementation Verizon will install Verizon-provided Service equipment required for the relevant Verizon Managed Network Services including out of band access devices, routers, switches, wireless access points, etc. Verizon will also perform on-site tests to ensure equipment, circuit configurations, management applications are properly working and interface with Verizon Managed Network Services to ensure management applications are properly applied, operational, and ready for remote Verizon Managed

- Network Services remote support.
- 3.5 **Custom.** Custom Services are provided pursuant to an SOW for System implementations beyond or different than provided by Staging, Installation, or Equipment Implementation.
- 3.6 **MAC (Move, Add, Change).** Verizon will verify equipment power-up, operation of network interfaces at Customer's designated locations as shown in the applicable Order. No demarc extension is provided with MAC. Remote activation of the equipment and transport connectivity will be provided with Verizon transport services only or in certain locations where Verizon has specifically pre-approved remote activation. Local area network configuration or activation is not included with MAC. MACs are:
- 3.6.1 **Move.** For moves, Verizon will de-install the Customer designated equipment from the current designated Customer location and then install the same equipment in the new designated Customer location within the same building as shown in the applicable Order. Customer must provide packaging to protect the equipment to be moved.
- 3.6.2 **Add.** Adds are available via installation service described above.
- 3.6.3 **Change.** For changes, Verizon will deliver the System components and/or software required to implement the requested change to the Customer designated location as shown in the applicable Order.
- 3.7 **De-installation.** For De-Installation, Verizon will de-install equipment at Customer's designated locations as shown in the applicable Order. Verizon will power down and pack equipment in Customer provided packaging. At Customer's request and expense Verizon will move the equipment to a new location within the same building but will not unpack or re-install the equipment. Premises cables will be left in place and not removed or changed. Equipment or packaging disposal is not included as part of De-installation.
- 3.8 **CPE Deployment Service Provisions.**
- 3.8.1 CPE Deployment Services are available within the 48 contiguous United States. CPE Deployment Services in Alaska, Hawaii, and other countries are available with Verizon pre-approval.
- 3.8.2 CPE Deployment Services are performed between the hours of 8:00 a.m. and 5:00 p.m. local time, during a business day, excluding Verizon observed and local holidays ("Business Hours"). Work extending beyond Business Hours and work on the first day of a weekend (according to local custom) is considered "Overtime" work. All other periods of work is "Weekend and Holiday Hours" work. If Customer requests that CPE Deployment Services be performed during Overtime or Weekend and Holiday Hours, Customer will pay Verizon its then current time and material labor rate. Unless Customer otherwise requests in writing Verizon will, at Customer's expense, apply for permits necessary for CPE Deployment Services. Verizon will provide Customer written notice indicating the date CPE Deployment Services are complete (the "In-Service Date"). Should Customer request delay of CPE Deployment Services, or should CPE Deployment Services be delayed as a result of Customer's action or inaction, Verizon may store the System, or any portion thereof, at Customer's risk and expense. Wait time in excess of 30 minutes at Customer's site may result in an additional charge at Verizon's current time and material rate.
- 3.8.3 Verizon will attempt to meet Customer's requested In-Service Dates, however, Verizon cannot guarantee any In-Service Date. In-Service Dates are subject to the availability of materials and resources.
- 3.8.4 Verizon will use reasonable efforts to avoid interruption of Customer's network service during Business Hours. If it is necessary to interrupt network service during Business Hours, Verizon will notify the SPOC at least 48 hours in advance.
- 3.8.5 Customer will have five business days after the In-Service Date to test the System (the "Test Period"). Customer may indicate its approval of the System by its signature on the Verizon-provided acceptance document or other mutually agreed upon means ("Customer Acceptance") which Customer Acceptance will not be unreasonably withheld. Customer will document any issues with the System in writing to Verizon and provide those issues to Verizon within the Test Period. Upon receipt of the issues list, Verizon will have ten business days to respond and remediate any issues, as required. Customer's use of the System for any other purpose than testing will be deemed to constitute Customer Acceptance. Additionally, Customer Acceptance for a System will be deemed to have occurred if the Test Period passes without notification of issue or acceptance by Customer. The service activation date for a System occurs upon Customer Acceptance.
- 3.9 **Customer Responsibilities.** As applicable, Customer is responsible to:
- 3.9.1 Provide configuration(s), and asset tags as required;
- 3.9.2 Provide licensed copies of operating system and applications software, as applicable;
- 3.9.3 Install or re-install software not provided by Verizon. Customer has all responsibility for such software (e.g., charges and license fees, version level maintenance and upgrade, resolution of problems, etc.) unless otherwise provided in an SOW;
- 3.9.4 Control all activities associated with the existing Customer equipment, including without limitation changes, additions or deletions of devices made by any non-Verizon provided technicians.
- 3.9.5 Properly dispose of or in the European Union return to Verizon for disposal as per Verizon's instructions, of all decommissioned equipment in accordance with applicable law.
- 3.9.6 Comply with Verizon's reasonable instructions for the modification of Customer's equipment, at

Customer's own expense, to enable installation of the System. If such modification has occurred, Verizon has no obligation to restore that Customer site.

4. **Customer Furnished Equipment.** Equipment furnished by Customer ("CFE") is Customer-provided and Verizon-approved equipment outlined in a detailed bill of materials ("BOM") provided by Customer and approved by Verizon from time to time.
 - 4.1 **CFE Installation.** For CFE Installation services, a Verizon technician installs Customer provided equipment on Customer-provided racks, backboards, or other facilities. Verizon will verify equipment power-up, operation of network interfaces. No demarc extension is provided with CFE Installation. Remote activation of the equipment and transport connectivity will be provided with Verizon transport services only or in certain locations where Verizon has specifically pre-approved remote activation. Local area network configuration or activation is not included with CFE Installation. CFE Installation is performed at Customer designated locations as shown in the applicable Order.
 - 4.2 **Customer Responsibilities.** Customer will:
 - 4.2.1 Complete the BOM with the detailed information required by Verizon including manufacturer's part number, description, and quantity.
 - 4.2.2 Obtain CFE from the equipment providers.
 - 4.2.3 Notify Verizon in writing (including email), and ship CFE to the Verizon-designated facility with the Verizon-provided inbound delivery number and according to the shipping instructions and Customer-provided BOM.
 - 4.2.4 Work with CFE equipment and maintenance providers, as required, to cause the repair or replacement of any missing, defective or damaged CFE, including CFE "dead on arrival" at the Verizon facility.
 - 4.2.5 Provide for CFE support and maintenance each site, unless the applicable Order provides for support and maintenance.
 - 4.3 **Verizon Responsibilities.** Verizon will:
 - 4.3.1 Review Customer's BOM for completeness and provide the necessary shipping address, shipping instructions, and inbound delivery number.
 - 4.3.2 Acknowledge Customer's CFE shipments when received.
 - 4.3.3 Notify Customer in the event no CFE inventory exists to support a new order.
 - 4.3.4 Provide Basic Staging, Enhanced Staging, or Installation for CFE, as applicable.
 - 4.3.5 Credit Customer for the repair or replacement cost, or provide repaired or replaced CFE, for any loss or damage of CFE that occurs when Verizon has risk of loss.
5. **CPE Solutions Financing Program Options.** Where available, Customer may obtain use of a System and/or CPE Service from Verizon or a Third Party Finance Company (the "Monthly Recurring Plan" or "MRP") or directly through a third party of Customer's choice ("Third Party Leasing/Financing"), each as provided below.
 - 5.1 **Monthly Recurring Plan.** The following terms and conditions apply to Orders by a Customer for the right to i) use a System with a monthly recurring payment and, when applicable, and/or ii) receive the provision of CPE Services. A quote will be provided to Customer indicating the terms and conditions related to a specific transaction prior to the issuance of any Order for a System or CPE Services for MRP. When Customer accepts the quote, a Order will be issued for Customer's review and acceptance. The quote and Order will both show the System or CPE Service elements, location of such System or CPE Services, associated monthly recurring charges, whether a TPFC, as defined below, has been engaged for each System or CPE Service element, and the Financing Commitment (as defined below)). Notwithstanding any unsigned ordering or similar process, or as agreed to by Verizon, Customer will indicate its acceptance of the Order by its physical signature on such Order.
 - 5.1.1 **MRP General Terms.**
 - 5.1.1.1 With MRP, Customer will have the right to use Systems and be provided with CPE Services (when applicable), as indicated on the quote and Order as Monthly Recurring Plan. The Order will also indicate whether title to the System will be held by Verizon or by a third party financing company, including a Verizon Affiliate ("TPFC") by stating "TPFC Engaged" for each System or CPE Service element where Verizon is acting as an agent for the TPFC for the purpose of billing and collecting payments from Customer under MRP and title to the System is being held by the TPFC.
 - 5.1.1.2 Customer may only use a System on a Customer location or co-located in Verizon's facilities. The System must be dedicated to use for Customer's benefit and only for Verizon services in accordance with Verizon's reasonable instructions from time to time. All moves, modifications, or relocations of a System must be performed by Verizon for an additional cost provided by a quote and Order. After a move, modification or relocation, the MRC for the System may change as a result of tax or other considerations from such move, modification or relocation and such change will be shown on the quote and Order. Systems may not be moved across international borders. MRP requires Customer to purchase Verizon Maintenance Service, Enhanced Staging and Installation, where available and as applicable.
 - 5.1.1.3 Pursuant to the Verizon Assignment Under MRP section below, Verizon reserves the right in its sole discretion to assign certain of its rights, remedies and obligations with respect to a System to

the TPFC including the right to exercise remedies contained therein directly against Customer. Notwithstanding such assignment, Verizon will continue to interact directly with Customer on behalf of the assignee TPFC as an agent for the TPFC for the purpose of billing and collecting payments from Customer under MRP, subject to the provisions of the Events of Default section below becoming operative. Customer will receive written notice at such time when, or if, the assignee TPFC will exercise such assigned rights directly with Customer. A credit check of Customer may be conducted at any time and, at such time, Customer will provide any financial, System and CPE Service-related information reasonably requested by Verizon.

5.2 **Direct Third Party Leasing/Financing Option.** Where available, Customer may obtain a System and/or CPE Service from Verizon through a direct financing arrangement with a third party financing company approved by Verizon pursuant to the terms of a Schedule and/or other relevant terms provided by such third party. Notwithstanding any terms provided by such third party, Customer will remain responsible for performance of all of its obligations under these terms. In the event the third party financing company fails to pay for the System and/or CPE Services in accordance with the terms of the financing agreement, purchase order or any other terms between such third party financing company and Customer related to an order, Customer shall pay Verizon directly.

6. **Maintenance Service.** Verizon will provide Maintenance Services where available in accordance with these CPE Service and System Terms.

6.1 **Maintenance Service Provisions.**

6.1.1 If, i) Verizon did not install the equipment or software intended to be covered by maintenance, ii) the equipment or software is out of warranty or out of third party maintenance coverage, or iii) Verizon has not provided Maintenance Service on the equipment or software for more than 60 days, then the equipment or software must be accepted by Verizon prior to being eligible for Maintenance Service. Customer warrants that such equipment or software is in good working order and meets all applicable manufacturer specifications. Verizon may recommend corrections or improvements to operating environments or configuration to be performed at Customer's cost and expense. Failure to comply with Verizon's recommended corrections or improvements may cause Verizon to reject the specific part or equipment or software and remove it from the Maintenance Service. If the equipment or software is found not to be in good working order and/or not in compliance with all applicable manufacturer specifications, Verizon will be under no obligation to provide Maintenance Service; provided however, Customer may, upon written notice, request Verizon to upgrade and/or repair such equipment or software at Verizon's then current time and material rate.

6.1.2 In the event the manufacturer of the System covered by maintenance, discontinues a piece of the System, and/or the associated support of such System, Verizon will only be obligated to provide the Maintenance Services on the affected System for the period of time that the manufacturer continues to support such System. At the end of such period Verizon will cease to support such System in accordance with the service description, but will use commercially reasonable efforts to provide Maintenance Service on the affected System until Customer upgrades or replaces such System. In such case, Verizon reserves the right to impose additional charges on Customer for Maintenance Service (e.g., for manufacturer imposed charges or additional level of effort).

6.1.3 Maintenance Services that include repair or replacement of System components will be provided with new or like new parts, as applicable, to restore the System to the level of working condition existing prior to the fault or problem; provided, however that, unless Customer provides the most current configuration, the software will be configured to the level that was last implemented by Verizon.

6.1.4 If Verizon determines that the trouble identified is a Customer network condition instead of a problem with the System covered under Maintenance Service, and if Verizon has preapproved written authorization Verizon will coordinate the resolution of the trouble and charge its then prevailing time and material labor rate to coordinate the resolution.

6.1.5 Maintenance Service is available for Systems located within a specified service area related to a Verizon facility or an authorized Verizon service provider's facility. Verizon reserves the right to charge Customer its then prevailing labor rate for travel to Customer sites that are outside of the specified service area.

6.2 **Customer Responsibilities.**

6.2.1 Customer will allow Verizon (using reasonable efforts to do so without undue delay or undue impact to Customer's network) to suspend normal operations of the System to inspect, test and/or repair it.

6.2.2 Remote connectivity for diagnostic purposes is a prerequisite for all applicable Systems covered by a Maintenance Service. Customer must provide connectivity, as specified and approved by Verizon, to the maintained System or Maintenance Service response times will be void. Customer further agrees that if Customer does not provide remote connectivity into the applicable System the following applies:

6.2.2.1 If Verizon is required to dispatch an engineer to Customer's site to troubleshoot an outage, Customer may incur a time and material charge at Verizon's then current rate.

- 6.2.3 Customer will notify Verizon immediately in writing in the event that any substantial or material modifications are made to Customer's network, and shall provide Verizon with such information as it may reasonably request, in order for Verizon to perform the Maintenance Service. In the event such modifications to Customer's network or any of its component parts causes Verizon to incur any increased burden in its performance of the Maintenance Service, Customer acknowledges and agrees that Verizon may increase the fees upon prior written notice to Customer.
- 6.2.4 In the event Verizon or the manufacturer ships a replacement part to Customer, Customer is responsible for returning the defective part, in accordance with the instructions contained in the replacement part packaging, to Verizon within 15 business days of receipt of the replacement part. If Verizon does not receive the defective part within 15 business days, Customer may be billed for the list price of the replacement part.
- 6.2.5 Customer must maintain back-up copies of the original software, current platform configurations, and operating system. Such back-up copies must be available to Verizon when requested to aid in troubleshooting and/or problem resolution.
- 6.2.6 Customer may only move, modify, relocate or in any way interfere with the System that is under maintenance (or any words or labels on the System) with Verizon's prior written approval. Customer will not cause the System to be repaired or serviced except by an authorized representative of Verizon or its subcontractors.
- 6.3 **Exclusions. Maintenance Service does not include:**
 - 6.3.1 Additions, changes, relocations, removals, operating supplies or accessories.
 - 6.3.2 Services necessitated by accident, casualty, neglect, misuse, intentional acts or any cause other than normal use of the System.
 - 6.3.3 Repairs or replacements necessitated by lightning, radio frequency interference, power disturbances, fire, flood, earthquake, excessive moisture, Harmful Code or any event occurring external to the System that directly or indirectly causes a malfunction in the System, a private network to which the System is connected, or in telephone lines, cable or other equipment connecting the System to the public telephone network or to other Customer equipment. Harmful Code means any virus or machine-readable instructions and data designed to intentionally disrupt the operation of the System or intentionally destroy or damage System or data contained therein.
 - 6.3.4 Services necessitated by use of the System with any other device or system not supplied or approved as to such combined use by Verizon, or use of any part of the System in a manner not specified by Verizon.
 - 6.3.5 Repair or maintenance or increase in normal service time resulting from Customer's failure to provide a suitable environment for the System or any other failure of Customer to perform its responsibilities.
 - 6.3.6 Loss or recovery of Customer data.
 - 6.3.7 Upgrades, enhancements or new releases of software or firmware, and configurations, except as specifically indicated in the Order, these CPE Service and System Terms and any service description.
 - 6.3.8 Operator, system administrator and end user training except as specifically identified.
 - 6.3.9 Repair or replacement of Customer-owned outside plant cable unless specifically set forth in the Order or the applicable SOW.
 - 6.3.10 Services resulting from Customer installation, configuration or other Customer changes to device software.
 - 6.3.11 Application development, scripting, software backups, software customization, application evaluation or troubleshooting, and engineering services.
 - 6.3.12 Damage to the System which is caused by (a) the act or omission of Customer or Customer's breach of the terms of these CPE Service and System Terms; or (b) malfunction or failure of any equipment or facility provided by Customer or its agents, employees, or suppliers, including but not limited to Customer's equipment. Verizon is not liable for any costs incurred arising out of any malfunction or failure of any such equipment or facility.
- 6.4 **Maintenance Service Provisions.**
 - 6.4.1 **Term and Termination.**
 - 6.4.1.1 Maintenance Services will become effective 30 days after Verizon accepts Customer's Maintenance only Order as applicable and shall remain in effect for the period set forth in the Order as applicable ("Maintenance Service Period"). After the Maintenance Service Period, and if Customer has not renewed for a new Maintenance Service Period, Verizon or Customer may terminate the Maintenance Service upon not less than 60 days prior written notice and the Maintenance Service will be provided at Verizon's then current undiscounted rate, unless terminated in accordance with this Attachment.
 - 6.4.1.2 Customer may terminate the Maintenance Service during the Maintenance Service Period (in whole or in part) only for default as defined in this Attachment. If Customer has pre-paid the Maintenance Service and terminates the Maintenance Service (in whole or in part) prior to the end of the applicable term due to Verizon default, Customer will be

reimbursed for the unused portion of the terminated Maintenance Service, less any discount received unless a relevant Third Party Services Agreement or Maintenance Service provided via a third party through Verizon does not allow for such reimbursement.

- 6.4.2 **General Maintenance Service Terms.**
 - 6.4.2.1 The determination to order maintenance replacement parts is made by Verizon.
- 6.4.3 **Verizon Data Maintenance – Network.** “Verizon Data Maintenance - Network” means Verizon will do the following:
 - 6.4.3.1 Use commercially reasonable efforts to isolate any problems with the System following receipt of Customer’s notification that the System is inoperative.
 - 6.4.3.2 Investigate trouble reports initiated by Customer and repair or replace, at Verizon’s sole discretion, any of the System which fails to meet the manufacturer’s published operating specifications for the System.
 - 6.4.3.3 Replace Systems it determines needs to be replaced with equipment of like kind and functionality from a manufacturer of Verizon’s choice at the time of replacement (“Exchange Unit”). Before replacing the System, Verizon will attempt to contact Customer to schedule the replacement. The replaced unit will be returned to Verizon at Verizon’s expense. For Systems to which Customer holds title, upon replacement, Customer will obtain title to the Exchange Unit and Verizon will obtain title to the replaced System.
 - 6.4.3.4 **Maintenance Takeover Service.** “Maintenance Takeover Service” means Verizon will provide Verizon Data Maintenance - Network for CPE supplied by Customer (rather than ordered from Verizon) and identified in an Order accepted by Verizon (“Customer-supplied CPE”). Verizon approval of Customer-supplied CPE is required before ordering. For purposes of Maintenance Takeover Service, Customer-supplied CPE will be treated as a System.
- 6.5 **CPE Related Assessment Services.** Verizon will provide on-site assessment services in accordance with one or more SOWs, which are incorporated herein by reference (hereinafter “CPE Related Assessment Services”).

Part III: Terms and Conditions.

1. Orders/Changes In/Additions to System.

- 1.1 **Orders:** Customer may order CPE Services or a System, or make a change to an order for CPE Services or a System as specified below. For purposes of this section, writings include email and other electronic forms.
 - 1.1.1 **Signed orders:** Customers may order CPE Services or a System through a signed writing. Verizon may accept electronic writings and electronic signatures at its discretion.
 - 1.1.2 **Unsigned orders:** In addition to the above, for Orders (as defined below) placed to Verizon, Customer may order CPE Services or a System, or make a change to an order for CPE Services or a System orally or by an unsigned writing (collectively, inclusive of signed orders, an “Order”), if the Order is confirmed. Customer is bound by Verizon documentation of an Order that has been confirmed the same as it would be to an Order the Customer has signed. An Order or Change Order (defined below) is deemed confirmed if (a) Verizon sends to Customer written documentation of each specific item of the CPE Service or a System ordered, its current price, and the Customer location, and (b) Customer does not promptly notify Verizon that the documentation is not correct. A Customer purchase order or similar document is evidence only of Customer’s intention to purchase CPE Services or a System. Except for provisions evidencing an intent to be bound by the terms and conditions of an agreement between Customer and Verizon, the terms and conditions of a Customer purchase order or similar document will be disregarded and have no force or effect; instead, the terms and conditions of the Agreement and these CPE Services and System Terms between Customer and Verizon will govern.
 - 1.1.3 Verizon must confirm the availability of International CPE Services for each Order and certain CPE Services may not be available in all countries. Countries may be added or deleted from time to time at Verizon’s discretion. Customer acknowledges that countries may impose restrictions or requirements from time to time that may cause Verizon to in turn impose restrictions or requirements on Customer, or suspend an International CPE Service
- 2. **Change Orders.** Verizon will comply, to the extent it deems feasible and reasonable, with any proposed changes to the System or CPE Services under these CPE Service and System Terms and any order or any applicable SOW (“Change Orders”). No Change Order will become effective, and no changes in the System or CPE Services will be initiated, until the Change Order is accepted by Verizon. Change Orders are accepted by the same process as orders are accepted. If changes result in an increase or decrease in charges or time needed for performance, such adjustments will be reflected in a written Change Order.
- 3. **Risk of Loss.** Risk of loss or damage to a System passes to Customer upon the earlier of i) delivery of the System to the Customer site, and ii) when Customer takes shipping responsibility (e.g. when Customer takes over shipping

from point of import). Customer shall provide notice of loss or damage to the System as soon as Customer receives notice of such loss or damage.

3.1 **Risk of Loss for Customer Furnished Equipment.** Risk of loss or damage to CFE passes to Verizon upon the earlier of i) delivery of the CFE (including portions thereof) to the Verizon-designated location, and ii) when Verizon takes shipping responsibility. After delivery to the Verizon-designated location, risk of loss or damage to CFE passes back to Customer upon the earlier of i) delivery of the CFE (including portions thereof) to the Customer-designated location, and ii) when Customer takes shipping responsibility.

4. **Resale Title and Security Interest.**

4.1 For Customer purchases where the System is purchased and delivered within the same jurisdiction and Verizon is incorporated in such jurisdiction, Verizon will retain title to the applicable System elements until full payment for the same has been rendered. Upon final payment, title will pass to Customer. Customer will not grant or convey to any other person or entity a security interest in, or permit placement of a lien on, the System unless and until Customer has paid Verizon in full for such System. As between Verizon (including its suppliers) and Customer, Verizon (or its ultimate suppliers or licensors, as applicable) retains all right, title and interest in and to all software provided by Verizon. Until final payment is received from Customer, Customer grants Verizon a security interest or lien in the System, or similar or equivalent interest pursuant to local law, and agrees that Verizon may file all documents necessary to perfect that interest. At Verizon's request, the Customer will provide all assistance required for the enforceability of retention of title. Upon final payment Verizon will release its security or other interest.

4.2 **Title for Customer Furnished Equipment.** Title to CFE remains with Customer at all times.

4.3 **Title for MRP CPE.** Terms and conditions for title and security interests for MRP transactions are located in and subject to the "Title and Security for Systems Under MRP" section below

4.4 **Title for US Sold Internationally Delivered CPE.** Title to the System will pass to Customer at time of shipment of the System from Verizon's or its third-party vendor's warehouse to Customer, or at the time indicated on the quote (including attachments to the quote) if different from the time of shipment.

5. **Delivery.** In those jurisdictions where Verizon has an established legal presence and except as otherwise provided in the order, delivery of the System will be "DDP", "Delivered Duty Paid" to the Customer's sites as defined by "Incoterms 2010" published by the International Chamber of Commerce, together with the terms and conditions set forth herein. In those situations where delivery under the DDP term is not available delivery of the System will be "DAP", "Delivered At Place", to the Customer's locations as defined by "Incoterms 2010" published by the International Chamber of Commerce, together with the terms and conditions herein.

6. **Taxes.** All charges are exclusive of applicable taxes, tax-like charges, and tax-related and other surcharges ("Tax(es)"), which Customer must pay. In the event that Customer provides Verizon with a valid, duly executed exemption certificate, Verizon will exempt Customer in accordance with the law, effective on the date Verizon receives the exemption certificate. If Customer disputes the application of any Tax, Customer must give Verizon written notice of the dispute within six months of the date of the invoice. Otherwise, such application of Taxes, as between Verizon and Customer, will be deemed correct and binding on Customer. If Customer is required by law to make any deduction or withholding from any payment due hereunder to Verizon, then, notwithstanding anything to the contrary contained herein, the gross amount payable by Customer to Verizon will be increased so that, after any such deduction or withholding for taxes, the net amount received by Verizon will not be less than Verizon would have received had no such deduction or withholding been required.

7. **Import of Equipment.** Customer will provide such assistance to Verizon as may be necessary in connection with the importation of the System into the countries in which the Customer sites are located, and as required in accordance with local regulations. Such assistance may include but not be limited to acting as the importer of record and paying import duties, fees and taxes, if any, using Customer's Tax Registration Number. Upon becoming the importer of record, Customer may be subject to the obligations placed on 'Producers' as defined and set out in the Waste Electrical and Electronic Equipment Directive 2002/96/EC or any equivalent local directive, or the relevant local legislation implementing the provisions of any such directive.

8. **Cancellation.** Prior to Customer Acceptance, either party may cancel an Order or a SOW for convenience, in whole or in part. A Customer cancelling any Order or a SOW for convenience before it has been accepted is subject to cancellation charges, based on the stage the CPE Service or System has reached toward such acceptance, which may include charges: (i) for all System elements and CPE Services provided up to the date of cancellation; (ii) for all expenses incurred up to the date of cancellation, including but not limited to the costs of cancelling purchase orders, shipping charges for the return of System elements, if permitted by Verizon, removal of System elements and other contractual obligations made by Verizon to meet its obligations under the Order, and (iii) a minimum restocking fee of 35% of the price of the System, as shown on the applicable Order or SOW, for any System elements returned, provided such return is permitted by the provider of the System element, and as authorized by Verizon.

9. **Termination.** Subject to the MRP Service Terms and Conditions section below, after Customer Acceptance, either party may terminate an Order for CPE Services for convenience, in whole or in part upon 30 days prior written notice to the other party. If a CPE Service is terminated by Customer pursuant to this Section, Verizon has no further responsibility under the Order and Customer will promptly pay Verizon an amount up to the full amount of the remaining payments due under the Order as if not terminated and any expenses incurred by Verizon. Where multiple SOWs are associated with these CPE Service and System Terms, the termination of one or fewer than all

of the SOWs will only affect the terminated SOWs, and any additional SOWs will remain in effect.

- 9.1 **Termination for Cause.** If either party fails to perform material terms of these CPE Service and System Terms and (i) such failure is not cured within 30 calendar days following receipt of a default notice in writing from the other party; or (ii) if such failure cannot reasonably be cured within such 30 calendar days, and the defaulting party fails to use commercially reasonable efforts to cure such breach as soon as practicable, but in any event within 90 calendar days following written notice, then the non-defaulting party may suspend its performance of and/or terminate the affected CPE Services or System order to which the default pertains. Upon termination of such CPE Service or System order, Customer is liable for any unpaid charges for the terminated CPE Service incurred up to the time of termination of such CPE Service and for any System element provided up to such termination. These CPE Service and System Terms will not be terminated, and will continue in effect, with respect to all other CPE Services and Systems that are not the subject of such default. Termination of any CPE Service or System will be in addition to and not in substitution of any other rights and remedies available to the non-defaulting party under these CPE Service and System Terms applicable law, or otherwise.
10. **Confidentiality.** Notwithstanding any contrary term in the Agreement and consistent with applicable law, Verizon may disclose the terms of these CPE Service and System Terms, in whole or in part, to: (a) Verizon Affiliates; (b) Verizon's or Verizon's Affiliate suppliers and/or subcontractors that offer (including new offers or renewal offers), provide, repair, maintain, bill, collect, or perform other functions in connection with Verizon or Verizon Affiliate products or services, including the financing thereof, under or in connection with these CPE Service and System Terms; (c) successors in interest to Verizon or Verizon Affiliates (by merger or otherwise); and/or (d) persons to whom Verizon or Verizon Affiliates may sell all or part of their respective businesses or assets.
11. **Warranty.** Verizon warrants it will perform the CPE Services provided by Verizon under these CPE Service and System Terms in a good and workmanlike manner. Unless otherwise set forth herein or in an SOW, Verizon is not the manufacturer or licensor of the System but will transfer or pass through to Customer the benefit of any and all manufacturer warranties on the same terms as offered by such manufacturers which are capable of being transferred or passed through.
- 11.1 **UNAUTHORIZED ACCESS.** IN ADDITION TO DISCLAIMERS IN THE AGREEMENT, VERIZON WILL NOT BE LIABLE FOR UNAUTHORIZED ACCESS TO VERIZON'S OR CUSTOMER'S TRANSMISSION FACILITIES OR EQUIPMENT OR FOR UNAUTHORIZED ACCESS TO OR ALTERATION, THEFT OR DESTRUCTION OF CUSTOMER'S DATA FILES, PROGRAMS, PROCEDURES OR INFORMATION THROUGH ACCIDENT, FRAUDULENT MEANS OR DEVICES, OR ANY OTHER METHOD.
- 11.2 **Third Party Services.** Verizon is not the provider of Third Party Services, as defined below, therefore Verizon provides no warranties, guarantees and assurances of quality that apply to Third Party Services but will transfer or pass through to Customer the benefit of any and all third party warranties on the same terms as offered by such third parties which are capable of being transferred or passed through. THE WARRANTIES SET FORTH IN THESE CPE SERVICE AND SYSTEM TERMS ARE IN LIEU OF ALL OTHER WARRANTIES FROM VERIZON TO THE EXTENT PERMITTED BY LAW. Notwithstanding the foregoing, Verizon warrants that the System will be free from defects for 12 months from delivery (the "Warranty Period"). Should the System become defective within this period, Customer shall initially only be entitled to subsequent performance. For the purpose of such subsequent performance Verizon will be subject to receiving notification of the defect within the Warranty Period, comply with the obligations set out in the third party supplier's warranty supplied with the System or otherwise repair or replace the System within a reasonable time period. All other warranty claims regarding the System may only be asserted if subsequent performance has failed. Verizon does not give a warranty for merely immaterial deviations from the agreed condition of the System and fitness for any particular purpose. Customer shall examine the System without undue delay upon delivery with respect to the amount, condition and quality. Obvious defects must be reported to Verizon within 10 business days; claims for warranties for such defects shall be excluded thereafter.
12. **Limitation of Liability.**
- 12.1 **ENTIRE LIABILITY.** SUBJECT TO THE EXCLUSIONS SECTION OF THE AGREEMENT, VERIZON'S AND ANY VERIZON ASSIGNEE'S ENTIRE LIABILITY FOR ANY OTHER DAMAGE WHICH MAY ARISE HEREUNDER, FOR ANY CAUSE WHATSOEVER, AND REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT OR IN TORT, INCLUDING VERIZON'S AND ANY VERIZON ASSIGNEE'S NEGLIGENCE, OR OTHERWISE, WILL BE LIMITED TO THE LESSER OF I) THE PURCHASE PRICE OF THE SPECIFIC ORDER GIVING RISE TO THE CLAIM; AND II) THE LIMITATION OF LIABILITY IN THE AGREEMENT.
- 12.2 **EXCLUSIONS.** VERIZON AND ANY VERIZON ASSIGNEE WILL BEAR NO LIABILITY FOR USE OF THE SYSTEM OR CPE SERVICES PROVIDED UNDER THIS ATTACHMENT IN CONNECTION WITH LIFE SUPPORT SYSTEMS OR DEVICES OR PUBLIC SAFETY SYSTEMS. EXCEPT AS EXPRESSLY STATED OTHERWISE HEREIN, VERIZON AND ANY VERIZON ASSIGNEE WILL HAVE NO LIABILITY OR RESPONSIBILITY FOR INTEROPERABILITY OR COMPATIBILITY OF THE SYSTEM WITH THIRD-PARTY PRODUCTS OR SYSTEMS THAT CUSTOMER MAY UTILIZE IN CONJUNCTION WITH THE SYSTEM OR TO WHICH CUSTOMER MAY CONNECT EQUIPMENT.
- 12.3 **Acknowledgement.** Customer and Verizon acknowledge that the warranties, limits on liability and

exclusions set out in these CPE Service and System Terms fairly allocate the risk between Customer and Verizon and any Verizon assignee and are reflected in the charges for the System and/or CPE Services.

13. Insurance

- 13.1 Customer shall maintain in full force and effect, at its own cost and expense, during the Financing Commitment, the following insurance coverage:
- 13.2 Commercial General Liability insurance with a minimum combined single limit of \$2,000,00 per occurrence for bodily injury and property damage and \$2,000,000 general aggregate including but not limited to premises-operations; products/completed operations; contractual liability; independent contractors and personal and advertising injury.
- 13.3 Commercial Automobile Liability insurance with a minimum combined single limit of \$2,000,000 each accident for bodily injury and property damage. Coverage shall include owned, non-owned, leased and hired vehicles.
- 13.4 Workers' Compensation in compliance with the statutory requirements of the state(s) of operation and Employer's Liability with a minimum limit of \$1,000,000 each employee-accident/each employee-disease/policy limit.
- 13.5 A combination of primary and excess/umbrella liability policies will be acceptable as a means to meet the limits specifically required hereunder. The required minimum limits of coverage shown above, however, will not in any way restrict or diminish company's liability under this agreement.
- 13.6 Errors & Omissions liability in the amount of \$2,000,000 each claim covering the acts, errors or omissions of Customer under this agreement.
- 13.7 All insurance coverage required herein, excluding Workers' Compensation, Employer's liability and Errors & Omissions liability shall name Verizon Communications Inc., its Affiliates and Subsidiaries as additional insured by means of an unrestricted endorsement to the above policies with regard to any liability arising out of Customer's operations, products or completed operations.
- 13.8 All policies required herein shall (i) contain waivers of subrogation in favor of Verizon (ii) be primary and non-contributory with any insurance or program of self-insurance that may be maintained by Verizon (iii) shall be issued by companies that are licensed, authorized or permitted to conduct business in the jurisdiction in which the work is to be performed (iv) must have an A.M. Best rating of A-; VII or better.
- 13.9 Prior to commencement of work, Customer shall provide Verizon with certificate(s) of insurance that evidence the coverage required by this agreement. Verizon shall receive 30 days prior written notice of intent to non-renew, cancellation or material adverse change, except 10 day notice for nonpayment of premium shall apply. In the event any of the above policies is cancelled, Customer shall immediately submit documentation to Verizon verifying that Customer has obtained alternative insurance in conformance with these CPE Service and System Terms.

14. Intellectual Property Infringement Indemnity.

- 14.1 **Verizon CPE Indemnity.** Verizon is not the manufacturer of the CPE or the owner of any third party software provided for use with the CPE, which CPE and software comprising the System are provided hereunder pursuant to the standard terms and conditions of the respective third party manufacturer and/or owner(s) thereof. Except for such manufacturers' or owners' indemnities applicable to the CPE and/or software that Verizon is authorized to pass through for the benefit of Customer, which such indemnities Verizon hereby agrees to pass through to Customer, the CPE, including software used therewith, is provided to Customer on an AS IS basis, without any express or implied warranties of any type, and without any obligation to defend or indemnify for any infringement.
- 14.2 **Verizon CPE Services Indemnity.** Except as provided below, Verizon will defend Customer against any claim, suit, action or proceeding alleging that the purchase or use by Customer of any CPE Services infringes a valid U.S. patent or copyright ("Services Claim"), and Verizon will indemnify and hold harmless Customer against any and all finally awarded costs and expenses, including attorneys' fees, in connection with any such Services Claim.
 - 14.2.1 If the use of any CPE Services is enjoined or subject to a Services Claim, Verizon may, at its option and expense, either procure for Customer the right to continue to use the affected CPE Services, replace the affected CPE Services with substantially equivalent, non-infringing service, or modify the affected CPE Services so that it becomes non-infringing. In the event that none of the foregoing options is commercially reasonable, Verizon may terminate the CPE Services.
 - 14.2.2 Verizon shall have no obligation to defend, indemnify or hold harmless Customer for any Services Claim or portion thereof that arises from (i) any negligent or willful act or omission by or attributable to Customer or, with the exception of Verizon, any agents, contractors, or suppliers acting on behalf of Customer; (ii) any combination, use or operation of any CPE Services with equipment or services provided by Customer or any third party; (iii) any addition to or modification of the CPE Services by Customer, any third party or Verizon at Customer's request; (iv) use of other than the then current unaltered release of any Verizon-provided software used in the CPE Services provided Verizon has made such release available to Customer; (v) any equipment, system, product, process, method or service of Customer which otherwise infringed any U.S. patent or copyright asserted against Customer prior to the supply of the CPE Services to Customer hereunder; (vi) functionality provided by Verizon at the direction of Customer, its agents, employees, or other contractors (including the

provision of functionality in accordance with technical specifications provided by Customer); or (vii) use or operation, by Customer, its agents, employees or other contractors, of CPE Services other than as specified in these CPE Service and System Terms.

- 14.3 The foregoing states the entire obligation of Verizon to Customer and is Customer's sole and exclusive remedy with respect to any claim of infringement of any intellectual property right of any kind, including the manufacturer's(s') or owner's(s') indemnities applicable to the CPE and software that Verizon is authorized to pass through for the benefit of Customer, if any, and Verizon disclaims all other warranties and obligations with respect thereto.
- 14.4 Each party (the "indemnitor") will defend, indemnify, and hold harmless the other party (the "indemnitee") against all claims and liabilities for direct damages imposed on the indemnitee for bodily injuries, including death, and for damages to real or tangible personal property to the extent caused by the negligent or otherwise tortious acts or omissions of the indemnitor, its agents or employees in the course of performance of these CPE Service and System Terms.
- 14.5 The defense and indemnification obligations set forth in this Section are contingent upon (1) the indemnitee providing the indemnitor prompt, written, and reasonable notice of the claims, demands, and/or causes of action subject to indemnification, (2) the indemnitee granting the indemnitor the right to control the defense of the same, and (3) the indemnitee's full cooperation with the indemnitor in defense of the claim, including providing information and assistance in defending the claim. Nothing herein, however, will restrict the indemnitee from participating, on a non-interfering basis, in the defense of the claim, demand, and/or cause of action at its own cost and expense with counsel of its own choosing. No settlement may be entered into by the indemnitor on behalf of the indemnitee that includes obligations to be performed by the indemnitee (other than payment of money that will be fully paid by the indemnitor under Sections above) without indemnitee's prior written approval.
15. **Disclosure Indemnification.** If Customer fails to identify and disclose to Verizon concealed Customer equipment, wiring or conditions, as required under these CPE Service and System Terms, then Customer will defend and hold Verizon harmless from any claim, damage or liability resulting from a failure to disclose this information.
16. **Hazardous Substances.** Except as disclosed to and acknowledged in writing by Verizon, Customer certifies that it is not aware of the presence of any asbestos or other hazardous substance (as defined by any applicable hazardous waste or environmental law or regulation) at any site where Verizon is to perform CPE Services under these CPE Service and System Terms. If during such performance Verizon employees or agents encounter any such substance, Customer agrees to take all necessary steps, at its own expense, to remove or contain the asbestos or other hazardous substance and to test the premises to ensure that exposure does not exceed the lowest exposure limit for the protection of workers. Verizon may suspend performance under these CPE Service and System Terms until the removal or containment has been completed and approved by the appropriate governmental agency and Verizon. Performance obligations under these CPE Service and System Terms will be extended for the period of delay caused by said cleanup or removal. Customer's failure to remove or contain hazardous substances will entitle Verizon to terminate by virtue of law, without Court intervention, delay, or other formality and liability, these CPE Service and System Terms, an order, or an SOW at Verizon's option. Upon such termination, Customer will permit Verizon to remove any System that has not been accepted, will reimburse Verizon for expenses incurred in performing these CPE Service and System Terms, order, or SOW until termination (including but not limited to expenses associated with such termination, such as removing a System, terminating leases, demobilization, etc.), and will complete payment for any portion of a System or CPE Services that has been accepted.
17. **Export and Legal Compliance.** Customer acknowledges that the export, import, and use of certain hardware, software, and technical data provided under the Agreement is regulated by the United States and other governments and agrees to comply with all applicable laws and regulations, including the U.S. Export Administration Act, the regulations promulgated thereunder by the U.S. Department of Commerce, and any other applicable laws or regulations of the United States or other relevant jurisdictions (collectively, "Export Laws"). Without limiting the generality of the foregoing the parties further agree:
- 17.1 Customer shall not export, re-export, release, transfer or allow the diversion of any items, hardware, software, technology, or the direct product of such technology obtained by Customer under these CPE Service and System Terms without first complying fully with all applicable Export Laws and obtaining any and all required licenses from United States and other governmental authorities.
- 17.2 Customer shall not conduct business with any company, individual, organization or country that is subject to trade sanctions, embargoes, or other restrictions under applicable Export Laws, nor any entity that is involved in an end use prohibited under Export Laws including but not limited to chemical or biological weapons proliferation of nuclear or missile technology proliferation, in either case without complying fully with all applicable Export Laws and obtaining any and all required licenses from United States and other governmental authorities.
- 17.3 Customer shall cooperate with and provide all necessary information to Verizon in order to facilitate full compliance with all trade-related laws and regulations.
- 17.4 Unless prohibited by law, Customer agrees to provide notice to Verizon of trade compliance related communications received from and/or actions taken by government export officials and/or customs authorities, as relate specifically to the System and/or CPE Services provided herein by or to Customer. Notice shall be provided to Verizon within 10 days of receiving the above referenced communications or

notice of actions to be taken by government officials. Such notice shall include the details of any pending investigation and to what extent Verizon items, hardware, technology, or services are involved.

- 17.5 Customer further agrees to release, hold harmless, defend, and indemnify Verizon, its officers, directors, shareholders, agents, and employees, from and against any claims, breaches of the representations, costs, damages, penalties, fines or liabilities (including attorneys fees) arising out of, or in connection with any violation or alleged violation by Customer of Export Laws.
- 17.6 Verizon may refuse to proceed with any transaction contemplated hereunder where it determines such transaction may violate Export Laws. The obligations in this section survive the expiration or early termination of these CPE Service and System Terms.
18. **Order of Precedence.** In the event of conflicts among the terms of the Agreement, these CPE Service and System Terms, an Order, a SOW and any Schedule, the following order of precedence will apply: (i) the Schedule; (ii) Order; (iii) these CPE Service and System Terms; (iii) the Agreement; and (iv) the SOW.
19. **Exclusion of CISG.** The United Nations Convention for the International Sale of Goods shall not apply.
20. **Third Party Services.** In addition to the terms of the Agreement, any third party maintenance and services will be provided on a Subscription basis in accordance with (i) the Third Party Services Agreement generally available on their respective websites or attached as an exhibit and (ii) the relevant terms and conditions of these CPE Service and System Terms, specifically excluding the termination for convenience provisions in the first subsection of the Termination section in this Part III, above. A subscription ("Subscription") means the agreement by which Customer purchases, and Verizon resells, certain CPE Services provided by third parties ("Third Party Services"). The charges and/or the terms and conditions applicable to the Subscription(s) may change at Customer's renewal or extension of such Subscription(s). Information concerning some Third Party Services Agreements is provided below, however, additional Third Party Services Agreements may be provided from Verizon from time to time as required by an order.
- 20.1 **Cisco Services.** When ordering Cisco products or services, Customer acknowledges having read and understood the applicable End User Obligations and service descriptions found at <http://www.cisco.com/go/servicedescriptions/> or other URL as may be provided by Cisco from time to time. Further, Customer agrees to the terms and conditions of Cisco's Software License Agreement, available via the web URL shown above. Further, Customer agrees to the terms and conditions of Cisco's Software License Agreement.
- 20.2 **Juniper Services.** When ordering Juniper products or services, Customer acknowledges having read and understood the applicable End User Obligations and service descriptions found at <http://www.juniper.net/support/guidelines/990216.pdf> or other URL as provided by Juniper Networks from time to time.
- 20.3 **Polycom Services.** When ordering Polycom products or services, Customer acknowledges having read and understood the applicable End User Obligations and service descriptions found at <http://www.portal.polycom.com> or other URL as provided by Polycom from time to time.
- 20.4 **Riverbed Services.** When ordering Riverbed products or services, Customer acknowledges having read and understood the applicable end user obligations and license agreements, and service descriptions found at www.riverbed.com/license or other URL as provided by Riverbed from time to time.
- 20.5 **Sonus Services.** When ordering Sonus products or services, Customer acknowledges having read and understood the applicable end user obligations and license agreements, and service descriptions found at <http://www.sonusnet.com/global-services/customer-support/maintenance-plans.aspx> and <http://www.sonusnet.com/Products/Sonus-Software-EULA.aspx> or other URL as provided by Sonus from time to time.
- 20.6 **MobileIron.** MobileIron server software may only be installed in Customer owned, maintained and/or controlled servers housed on Customer's premise, or in data center space controlled by a third party, located within the United States.
- 20.7 **AirWatch.** AirWatch software is subject to the manufacturer's license and support terms and conditions, which are available at http://www.air-watch.com/downloads/legal/20130815_AirWatch_EULA.pdf (the "AirWatch EULA). Customer's acceptance of an Order containing AirWatch software represents agreement to license such AirWatch software under the AirWatch EULA. Maintenance and Support is included as part of manufacturer's subscription license plan or at an additional annual fee under a perpetual license model as shown in an Order. In the case of a perpetual license, annual Maintenance and Support commences upon delivery of the software. Additional licenses can be purchased under a separate or supplemental Order.
21. **Greece.** For CPE Services and Systems provided in Greece, for the avoidance of doubt, Verizon shall bear the after sales responsibilities according to the provisions of article 5 of LAW 2251/2004, as in force.
- 21.1
22. **Additional Service Terms and Conditions for the provision of CPE and CPE Services.**
- 22.1 **MRP Service Terms and Conditions.**
- 22.1.1 **Term.** The term of the financing commitment for each System is specified in the related Order ("Financing Commitment") and commences on Customer Acceptance. Except in the case of Cause attributable to Verizon, Customer's payment obligation as provided in the Order for such System

and CPE Service is absolute and unconditional after Customer Acceptance, without set-off, abatement, or deduction. Customer hereby further waives any recoupment, cross-claim, counterclaim, or any other defense at law or in equity to any such payment or other amount due with respect hereto, whether any such defense arises out of these Service Terms, the Agreement, any Statements of Work, or Order, any claim by Customer against Verizon, its assignees or supplier, or otherwise.

- 22.1.2 **Customer Acceptance.** In addition to the Customer Acceptance procedures in the CPE Deployment Services section, Customer must indicate its approval of the System by a Customer-authorized signature on the Verizon-provided acceptance document.
- 22.1.3 **Title and Security for Systems Under MRP.** With MRP, Customer will not have title to the System or any sub-element thereof. Verizon or a TPFC will have title. Customer waives and releases any right, title and interest that it may have in a System. In the event that MRP is determined to be an extension of credit, Customer hereby grants a security interest in Customer's right, title and interest, now existing and hereafter arising, in and to any System, including all insurance, warranty, and chattel paper arising out of a System to secure payment of all amounts due. Verizon assignee TPFC may, at its option, perfect ownership in a System by filing a registration or financing statement (e.g., in the United States, a Uniform Commercial Code filing) naming Customer as the debtor and identifying the ownership or security interest in the System, as applicable.
- 22.1.4 **Verizon Assignment Under MRP.** When the assignee TPFC holds title to a System, Verizon will, at Customer Acceptance, assign certain of its rights with respect to such System and related CPE Service, each as indicated on the order, to such TPFC assignee, including without limitation: (a) the right to receive a portion of the payments due hereunder that relate to the System and CPE Services under MRP; (b) the benefits, in addition to any such benefits not assigned and thus retained by Verizon, of (i) any indemnity and/or limitations of liability with respect to the System and CPE Services, and (ii) Customer's representations and warranties with respect to the System and CPE Services, in either case contained herein or the Agreement; and (c) in the case of a Customer Event of Default (as defined below), the right, in addition to any such rights not assigned and thus retained by Verizon, to enforce on its own behalf any of its assigned rights, including the right to enforce payment of amounts relating to the System and CPE Services, or to take possession of or enforce title to the System.
- 22.1.5 **Event of Loss.** Customer will promptly notify Verizon in writing if any item of the System becomes unfit or unavailable for use (e.g. lost, stolen, damaged, or destroyed) (an "Event of Loss"). Customer may choose to repair or restore the System to the condition it had prior to such Event of Loss, or replace such damaged System with Like Equipment, as defined below, each at Customer's cost and expense. Otherwise, Customer will pay to Verizon within sixty (60) days after such Event of Loss the System Casualty Value (as defined below) associated with such System as of the date of the Event of Loss, and title to the damaged System will pass to Customer upon such payment. "Like Equipment" is equipment which (a) has been manufactured by the same manufacturer as the System; (b) is of the same type and model as the System (or the manufacturer's equivalent type and model), with all engineering changes incorporated as specified by the manufacturer; (c) has an equal or greater market value as the System Element replaced by Like Equipment; and (d) meets all requirements for the System as set forth in the Order or herein. "System Casualty Value" is an amount equal to (i) the present value of all remaining MRC for such System, or element thereof, from the date of the Event of Loss through the end of the Financing Commitment, discounted at a rate equal to the rate in effect for U.S. Treasuries, as of the date of the Customer Acceptance, with a term equal to the Financing Commitment, plus (ii) for MRP, the purchase price as of the date of the Event of Loss for such System, or element thereof, as provided by Verizon promptly after receipt by Verizon of a notice of Event of Loss.
- 22.1.6 **Customer Responsibilities.**
- 22.1.6.1 **Condition of the System.** Customer will ensure that the System is covered by Verizon Maintenance for the duration of the Financing Commitment or any renewal thereof.
- 22.1.6.2 **No Customer Assignment; Lien.** Customer will not: (a) assign, transfer or otherwise dispose of any System or individual element thereof, or any right or obligation hereunder as it relates to the System or CPE Services or any rights or obligations with respect thereto, (b) provide a right of use of any of the System and CPE Services to any person other than Customer, (c) permit the System and CPE Services to be under the dominion and control of any other person or party, other than Customer, or any maintenance provider acting on behalf of Customer other than Verizon or (d) create, incur, or permit to exist any security interest, lien or encumbrance with respect to any of the System.
- 22.1.6.3 **Insurance.** Customer shall obtain and maintain for the duration of the Financing Commitment, including any extension thereof, at its own expense, commercial general liability insurance, and special risk insurance against loss or damage to the System as a result of fire, explosion, theft, vandalism and such other risks of loss as are normally maintained on equipment of the type financed hereunder by companies carrying on the

business in which Customer is engaged, in the minimum amount of the full replacement cost value, in such form and with such insurers as shall be satisfactory to Verizon. Each insurance policy shall name Customer as insured and Verizon and its successors and assigns as additional insureds and loss payees thereof as their interests may appear, and shall provide that it may not be cancelled or materially altered without at least thirty (30) days' prior written notice thereof being given to Verizon (or ten (10) days in the event of non-payment of premium). Customer shall provide Verizon with a certificate of insurance evidencing the coverage required by these MRP terms. If at any time Customer fails to provide the necessary insurance and Customer does not provide insurance from another insurance company, the foregoing insurance may be provided on behalf of Customer at Customer's sole cost and expense, i.e., "forced place" insurance.

- 22.1.7 **Hold Harmless.** Customer agrees to indemnify and hold Verizon and its assignees harmless from any and all liability, loss, damage, expense, and causes of action arising from or based upon the System under this MRP, or actual or alleged use of same except, with respect to Verizon, for action, suits, claims or judgments covered under the relevant Verizon indemnifications to Customer in the Master Terms.
- 22.1.8 **Events of Default.** The following shall constitute a "Customer Event of Default" under these MRP terms and Cause under the Master Terms: (i) failure by Customer to pay any amounts due under these MRP terms; (ii) Customer fails to maintain insurance as required under these MRP terms or to pay for "forced place" insurance; (iii) failure to return a System to Verizon as provided herein; or (iv) bankruptcy, receivership, insolvency, reorganization, dissolution, liquidation or other similar proceedings are instituted by or against a Customer or any guarantor of a Customer, or all or any part of such person's property, under the United States Federal Bankruptcy Code or other law of the United States or of any other jurisdiction in which Systems are located or being used, and, if such proceeding is brought against such person, it consents thereto or fails to cause the same to be discharged within sixty (60) days after it is filed; or (v) Customer or any guarantor of Customer terminates its existence by merger, consolidation, sale of substantially all of its assets or otherwise, unless the surviving entity or purchaser of such assets is (1) approved in writing by Assignor (after receipt of written approval from Assignee) prior to such termination or sale, which approval shall not be unreasonably withheld, conditioned or delayed, or (2) of a credit rating as rated by Standard and Poor's of BBB- or better or by Moody's Investors' Service of Baa3 or better after such sale or termination. Customer shall reimburse Verizon for all reasonable and necessary charges, costs, expenses and attorney's fees incurred by Verizon or the assignee in exercising any remedy against Customer hereunder.
- 22.1.9 **Termination.** Notwithstanding any other provision in these CPE Service and System Terms, in the event of any termination of a MRP by Customer for convenience or for any other reason (including without limitation Customer's invocation of a Force Majeure Event pursuant to a Order or the Agreement) except for Cause, or in the event of any termination by Verizon for Cause, Customer will pay to Verizon (i) an amount equal to the aggregate of all remaining monthly recurring charges for the System as set forth in the order from the date of termination through the end of the Financing Commitment, plus (ii) in the case of TPFC financing, the fair market value as of the date of termination for the System as provided by Verizon promptly after termination, or regardless of financing entity and at Verizon's discretion, return of the System as provided below. Customer agrees that as between Verizon and Customer Verizon shall have the right to determine which portion of Customer's MRP charges represents Services and which represent the System.
- 22.1.9.1 Upon such termination of a MRP and if Verizon requires the return of the System, Customer shall return the System at its expense, to Verizon or Verizon's designee, and such returned System shall be shipped to be received: (i) no later than 15 business days after the termination is effective; and (ii) at the location as provided in writing by Verizon and in the condition provided below. If Customer fails to return the System within the above time period, then such failure shall constitute a "Customer Event of Default" hereunder and Cause under the Master Terms.
- 22.1.9.2 **Condition of Returned Equipment.** When a System is returned to Verizon or its designee, Verizon will cause the System to be inspected and certified acceptable for the manufacturer's maintenance service. If any of the System is not in good repair, condition and working order, ordinary wear and tear excepted, Customer will pay Verizon the reasonable out-of-pocket expenses incurred in bringing such System up to such status, but not in excess of the System Casualty Value.
- 22.1.10 **End of MRP Financing Commitment.** At the end of the Financing Commitment, the term will continue until terminated by either party, with or without Cause, effective 90 days after written notice of termination is given to the other party. Upon such termination, Customer shall return the System as provided in the Termination section above.
- 22.1.11 **Disputed Claims.** Notwithstanding the Dispute Resolution provision in the Agreement, a TPFC is entitled to enforce, outside of arbitration, all rights held by or assigned to such TPFC following the

negotiation period applicable to Disputed Claims (as defined in the Agreement), unless Verizon or such TPFC determines in its sole discretion to submit the issue to arbitration and notifies the Customer in writing within thirty days following the end of such negotiation period. Nothing herein or in the Agreement shall be construed to preclude immediate enforcement outside of arbitration by a TPFC of its rights to enforce its security interests in the event of a Customer Event of Default.

- 22.1.12 **Property Taxes.** In addition to any Taxes or Governmental Charges, Customer will pay to Verizon the amount of any personal property taxes incurred on the System. Such personal property taxes will be included in the charges shown in the Order, provided however, that changes to such taxes (e.g. for tax rate increases) may require that a new Order be issued.
 - 22.1.13 **No Warranties or Representations.** Under this MRP, Verizon or its assignee makes no warranty or representation, express or implied, including but not limited to fitness for a particular purpose, merchantability, quality, design, condition, capacity, suitability or performance of the System, the material and workmanship thereof or as to intellectual property rights, it being agreed that all such risks as between Verizon and Customer are to be borne by Customer alone and at Customer's expense. To the extent deemed applicable and to the extent permitted by applicable law, Customer waives any and all rights or remedies conferred upon a "lessee" under section 2a-508 through 2a-522 of the uniform commercial code or similar provisions under another commercial code or statute with respect to a default by a "lessor" as such sections may be applied to a MRP.
- 22.2 **CPE Deployment Services Terms and Conditions in the United States.**
- 22.2.1 **Warranty.**
 - 22.2.1.1 **Voice Equipment.** In addition to other applicable warranties contained herein, for voice Systems installed by Verizon, the warranty period begins on the In-Service Date and continues for 12 months
 - 22.2.1.2 **CPE Deployment Services Warranties.** Verizon warrants that any cables and connectors between the System and any other equipment on Customer's premises that are provided by Verizon will be in good working order for a period of thirty days after installation unless the failure of such cables and connectors is caused by Customer's misuse or abuse.
 - 22.2.1.3 These warranties do not cover damage to or malfunction of the System caused in whole or in part by Customer or third parties through other than normal use of the System or caused by an event external to the System.
 - 22.2.2 **Customer Furnished Equipment Terms and Conditions.** Verizon is not responsible for implementation delays, loss, or damage to equipment when equipment is shipped to Verizon without a detailed BOM or inbound delivery number or to the extent CFE shipments are not consistent with the BOM.
- 22.3 **Maintenance Terms and Conditions.**
- 22.3.1 Verizon reserves the right to change the rates, terms and conditions of Maintenance Service under these CPE Service and System Terms to be effective upon the commencement of any renewal term and without formal amendment of these CPE Service and System Terms by providing Customer written notice thereof prior to the expiration of the then-current term. If Customer is unwilling to accept such amended rates, terms and conditions, Customer will provide Verizon written notice thereof prior to the expiration of the then-current term, in which event the maintenance service will terminate upon expiration of the then-current term. Verizon may terminate the Maintenance Service at the end of the then current term upon 60 days written notice. Otherwise the Maintenance Service will continue to be provided at the then current undiscounted rate. If Customer has pre-paid the Maintenance Service and terminates prior to the end of the term, Customer will be reimbursed for the unused portion of the Maintenance Service, less any applicable cancellation charge and discount received unless a relevant Third Party Services Agreement does not allow for such reimbursement.
 - 22.3.2 **Data Maintenance Terms.** Verizon warrants that Verizon Data Maintenance - Network and Maintenance Takeover Service will be performed in a good and workmanlike manner. CUSTOMER'S SOLE REMEDY FOR A BREACH OF THIS WARRANTY IS FOR VERIZON TO REPERFORM THE DEFECTIVE WORK.
- 22.4 **CPE Related Assessment Services Terms and Conditions in the United States.**
- 22.4.1 **Term of Services.** The CPE Related Assessment Services will commence as set forth in the applicable SOW and will continue in effect for the period of time required for Verizon to provide such CPE Related Assessment Services, or otherwise as specified in such SOW.
 - 22.4.2 **Warranties and Disclaimer.**
 - 22.4.2.1 **Verizon Warranty.** Verizon warrants that it will perform CPE Related Assessment Services in a good and workmanlike manner substantially in accordance with accepted industry standards, and that any deliverables will comply with the specifications agreed to by the parties in a SOW.
 - 22.4.2.2 **Customer Warranty.** Customer warrants that it owns all right, title, and interest in and to, or has the license for and the right to grant Verizon access to, any programs, systems,

data, materials, IP addresses, domains or other information furnished by Customer to Verizon for the purpose of enabling Verizon to perform the Professional Services. Customer hereby assumes the sole responsibility for the accuracy of the IP addresses, domains, programs, systems, data, materials or other information furnished by Customer to Verizon.

22.4.2.3 **Verizon's Disclaimer of Warranties.** Without limiting anything else in this Service Attachment, the disclaimer of warranties in the Agreement applies to this Service Attachment. Any Verizon warranty applies to Customer only.

22.4.3 **Deliverables.** Any deliverable related to the provision of CPE Related Assessment Services will be set forth in a SOW. Customer's use of the deliverables, unless otherwise specified in the applicable SOW, is as follows:

22.4.3.1 **License to use Deliverables.** Verizon grants to Customer a non-exclusive, nontransferable, license to use any deliverables solely for Customer's internal business purposes during the term of any related Verizon service, including the right to make a reasonable number of copies of such deliverables, if applicable, except as otherwise agreed to in a SOW.

22.4.3.2 **Ownership and Confidentiality of Deliverables.** As between Verizon and Customer, all right, title and interest in any deliverable is owned by Verizon and both the deliverable and any information, materials, methodologies or know-how used by Verizon in connection with any deliverable, is the Confidential Information of Verizon, except for (a) any Customer-owned information or materials that pre-existed the signing of the applicable SOW, and (b) as otherwise agreed to in a SOW.

22.4.3.3 **Verizon Reservation of Rights.** Except as expressly granted herein, Customer receives no ownership, license, or other interest in any intellectual property or proprietary information created or delivered by Verizon, whether in connection with its performance of the Agreement or otherwise.

22.4.4 **General Provisions.** Except with the prior written consent of the other party, both parties agree that, during the term of CPE Related Assessment Services and for a period of 12 months thereafter, they shall not directly solicit, divert or recruit any employee of the other, who is or was involved in the performance of the CPE Related Assessment Services at any time during the term of the CPE Related Assessment Services, to leave such employment. This restriction does not prevent a party from considering for employment any individual, whether or not an employee of the other party, who has responded to a general public solicitation.

**STATEMENT OF WORK (SOW) NO. 1
TO VERIZON VOICE AND DATA EQUIPMENT AND
RELATED SERVICES ATTACHMENT
Structured Cabling Services**

Customer: State of West Virginia	Quote: 1-19N7SAN
Contract ID: DOT1800000016	Date:

Verizon Business Network Services Inc., on behalf of Verizon Select Services Inc.
One Verizon Way
Basking Ridge, N.J. 07920

By: Marsha K. Harrell
Name: **Marsha K Harrell**
Title: Senior Analyst
Date: 10/2/17
Contract Management

CUSTOMER'S LEGAL NAME:
State of West Virginia
Address
Department of Administration
1900 Kanawha Blvd East
Building 15,
Charleston, WV 25305

By: _____
Name: **Mark A. Adkins, Buyer**
Title: _____
Date: _____

This Statement of Work ("SOW") amends and is a part of the Voice and Data Equipment and Related Services Attachment and related Verizon master services agreement (collectively "Agreement"), entered between Verizon Select Services Inc. ("Verizon"), and State of West Virginia ("Customer"), Contract ID number as shown above, if applicable, executed by both parties as of _____, 20____.

Description of Project

1. Services.

This SOW defines the structured cabling services and deliverables that Verizon will provide to Customer under the terms of the Agreement ("Structured Cabling Services") and forms the basis for the pricing in the quote referenced above (the "Quote"). Verizon will perform the Structured Cabling Services at the locations listed in the Quote. Certain Structured Cabling Services detail may be provided for Customer's reference in additional documentation separate from this Agreement.

2. Scope of Work.

Verizon proposes the following structured cabling installation services for Customer. Verizon has based the Quote on the cabling solution and technical specifications* described below. Structured Cabling Services will include the installation of Cat-6 and fiber optic cable and associated support structure as described in State of WV RFQ - DOT1800000016 - WV DOT District 3 Cabling.

The "System", as used within this SOW, means the structured cabling solution provided under this SOW, e.g. CPE, including without limitation, cables and other related materials.

3. Deliverables and Documentation (if any) to be Produced by Verizon and Verizon Obligations.

Verizon will:

- 3.1. Provide installation which complies with standards and codes, including as applicable:
 - NFPA 70 – National Electric Code
 - ANSI/TIA-568-C.0 – Generic Telecommunications Cabling for Customer Premises
 - ANSI/TIA-568-C.1 – Commercial Building Telecommunications Cabling Standard
 - TIA-569-B – Commercial Building Standard for Telecommunications Pathways and Spaces
 - ANSI/TIA-606-A – Administration Standard for Commercial Telecommunications Infrastructure
 - ANSI-J-STD-607-A – Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications
 - TIA-526-7 – Measurement of Optical Power Loss of Installed Single-Mode Fiber Cable Plant
 - TIA-526-14-A – Optical Power Loss Measurements of Installed Multimode Fiber Cable Plant
 - ANSI/TIA-758-A – Customer-Owned Outside Plant Telecommunications Infrastructure Standard
 - ANSI/TIA-942 – Telecommunications Infrastructure Standard for Data Centers
- 3.2. Provide a single point of contact (“SPOC”) who will be responsible and authorized to (i) make all decisions and give all approvals which Customer may need from Verizon, and (ii) provide Customer’s personnel on a timely basis with all information, data, and support reasonably required for its performance under this SOW, including but not limited to making available appropriate personnel to work with the Customer as the Customer may reasonably request. (iii) manage and participate in the kickoff discussion, schedule coordination, and acceptance testing.
- 3.3. Deliver the System to the Customer’s site(s) shown on the Quote;
- 3.4. Contact the Customer prior to install in order to confirm site readiness;
- 3.5. Provide the labor to complete the project in a good and workmanlike manner ;
- 3.6. Provide progress updates to review actual progress with the Customer SPOC;
- 3.7. Provide a schedule indicating general project deadlines with specific dates relating to the installation of the System;
- 3.8. Coordinate access to the building, daily parking, access to materials, and material storage with the Customer SPOC;
- 3.9. Additional Verizon Deliverables and Documentation:

The structured cabling installed will be documented and delivered to the customer in the form of an As-built Drawing

Documentation to be Produced by Customer and Customer Obligations.

Customer must:

- 4.1 Designate a SPOC who will be responsible and authorized to (i) make all decisions and give all approvals which Verizon may need from Customer, and (ii) provide Verizon’s personnel on a timely basis with all information, data, access and support reasonably required for its performance under this SOW, including but not limited to making available appropriate personnel to work with Verizon as Verizon may reasonably request.
- 4.2 Confirm and agree to the schedule indicating general project deadlines with specific dates relating to the installation of the System as provided by Verizon;
- 4.3 Provide a soft copy of all related plans clearly depicting installation locations and features that is sufficiently recent, accurate, and detailed to allow Verizon to install the System;
- 4.4 Provide the appropriate security clearances, access badges, and access to buildings and any other structures related to the Project (“Locations”) and Training as defined below, if required.. It is the Customer’s sole responsibility to provide the necessary means of access to Locations;
- 4.5 Provide prompt physical and electronic access to Locations where Verizon will install the System. NOTE: Wait time in excess of 60 minutes may result in a time and material charge. Verizon will coordinate Project activities in advance in order to allow for timely access and avoid delay.
- 4.6 Remove or move any obstacles required to implement this Project at a Location in a timely manner.

- 4.7 Provide loading dock space and freight elevators at no expense to Verizon. Verizon deliveries shall be scheduled during Office Hours as defined below;
- 4.8 Control all activities associated with the existing Customer equipment, including without limitation changes, additions or deletions of devices made by any non-Verizon provided technicians.
- 4.9 Provide adequate and secure storage space for the Verizon equipment, tools, and materials at the Location;
- 4.10 Unless otherwise provided for in Section 2, Scope of Work, provide sufficient rack space or other appropriate installation location for the System;
- 4.11 Ensure that the Customer's ground meets the recommendations of the System manufacturer. If a new ground work is required, Verizon can perform such work at Customer's request pursuant to a quote;
- 4.12 Ensure that any and all main or intermediate distribution frames ("MDF/IDF") are of sufficient size to accommodate System being installed;
- 4.13 Ensure conformance with any applicable codes, regulations, and laws, including but not limited to electrical, building, safety, and health;
- 4.15 Dispose of all decommissioned equipment, unless provided otherwise in the Quote.
 - If this box is checked, Verizon will demolish and dispose of all abandoned cable as required by code. If this box is not checked, Verizon will not demolish and dispose of abandoned cable.
- 4.16 Additional Responsibilities:
 - Cost associated with the right-of-way, permits and leasing
 - Easements for placing buried conduit
 - Permission from the building owner to excavate the on the property if required
 - Customer is to provide prompt access to the facilities as required completing the installation(s).

4. Change Order Request

Customer may request changes in, or additions to, the Structured Cabling Services being provided hereunder by agreeing to a completing Verizon Change Order form, provided by Verizon. Requested changes will be facilitated to the extent feasible. If Verizon determines that such changes will cause an increase or decrease in the cost of, or time required for performance of the Structured Cabling Services, Verizon will advise Customer thereof and such adjustments will be reflected in the Verizon Change Order form. The Verizon Change Order form will not become effective unless and until it is agreed to and executed by both Customer and Verizon. Verizon will initiate changes to the project that affect cost or significantly affect schedule using this Change Order procedure.

5. Acceptance Testing Criteria for the Service or Deliverable(s).

Customer will have five business days after the In-Service Date, as defined below, to test the System (the "Test Period"). Customer may indicate their approval of the System by its signature on the Verizon-provided acceptance document or other mutually agreed upon means. Customer will document any issues with the System in writing to Verizon and provide those issues to Verizon within the Test Period. Upon receipt of the issues list, Verizon will have ten business days to respond and remediate any issues, as required. Customer's use of the System for any other purpose than testing will be deemed to constitute acceptance by Customer. The System will be deemed accepted if the Test Period passes without notification of issue or acceptance by Customer.

6. Conditions.

- 7.1 Structured Cabling Services are generally available within the 48 contiguous United States. Orders for Structured Cabling Services in Alaska and Hawaii must be specifically pre-approved by Verizon.
- 7.2 Structured Cabling Services are performed between the hours of 8:00 a.m. and 5:00 p.m. local time, Monday through Friday, excluding Verizon observed and United States Federal holidays ("Office Hours"). Work extending beyond Office Hours on Monday through Friday and work on Saturday is "Overtime" work. All other periods of work is "Sunday and Holiday Hours" work. If Customer requests that Structured Cabling Services be performed during Overtime or Sunday and Holiday Hours, Customer will pay Verizon its then current time and material labor rate.
 - If this box is checked, this project requires work to be performed outside of Office Hours. The Structured Cabling Services will be performed between the hours of 7:00 a.m. to 3:00 p.m. local time, These hours are included in the Quote.
- 7.3 Unless Customer otherwise requests in writing Verizon will, at Customer's expense, apply for permits necessary for Structured Cabling Services.

- 7.4 Verizon will provide Customer written notice indicating the date Structured Cabling Services is complete (the "In-Service Date"). Verizon will attempt to meet Customer's requested In-Service Dates, however Verizon can not guarantee any In-Service Date. In-Service Dates are subject to the availability of materials and resources.
- 7.5 Should Customer request delay of Structured Cabling Services, or should Structured Cabling Services be delayed as a result of Customer's action or inaction, Verizon may store the System, or any portion thereof, at Customer's risk and expense.
- 7.7 Verizon will use reasonable efforts to avoid interruption of Customer's network service during Office Hours. If it is necessary to interrupt network service during Office Hours, Verizon will notify the SPOC at least 48 hours in advance.
- 7.8 Customer will only assign persons to this project that have the necessary skills required to complete the Customer's part of this project.
- 7.9 Customer will allow Verizon access to sites for performance of any required Structured Cabling Service. Customer will notify Verizon of any site-specific requirements that might impact Verizon's ability to access such site, e.g. safety or security training ("Training"). Verizon will comply with such Training requirements however Verizon reserves the right to bill Customer for the time required for Training at Verizon's then current labor rate. Customer will provide necessary badges, escorts, etc. required for site access per Customer's security and safety policies.
 If this box is checked, Verizon personnel will require additional training for site access.
- 7.10 Additional Conditions
N/A

8. **Term of SOW.** This SOW is effective upon full execution by the parties and will remain in effect during the delivery of the Structured Cabling Services. Except for warranties specifically provided herein, this SOW will terminate upon final delivery of the Structured Cabling Services.

9. **Warranty**

- 9.1 Verizon warrants the System against defects solely related to Verizon's installation for one year after the System is accepted as provided above. To the extent permitted, manufacturers' end user warranties will be passed through to Customer. Customer will present such warranty claims directly to the manufacturer.
- 9.2 If a manufacturer's end-user warranty is included, Verizon will provide the appropriate certified labor, documentation, and materials to qualify the installation for such warranty.
 If this box is checked, the System includes manufacturer's warranty.
- 9.3 These warranties do not cover damage to or malfunction of the System caused in whole or in part by Customer or third parties through other than normal use of the System or caused by an event external to the System.
 The warranties contained herein are Customer's sole and exclusive warranties for Structured Cabling Services.

10. **Assumptions**

- 10.1 This SOW constitutes the entire agreement between the parties with respect to the Structured Cabling Services and supersedes all other prior or contemporaneous representations, understandings or agreements. Except as otherwise expressly stated herein, no amendment to this SOW is valid unless in writing and signed by both parties.
- 10.2 Structured Cabling Services are limited to the services, deliverables, documentation, and conditions stated herein and in the Agreement, and the System defined in the Quote.
- 10.3 Additional Assumptions
 Excluded from this proposal:
 - State and Local Sales Tax (if applicable)
 - Any cost associated with the repair of underground conduits along the route (if applicable)

Corporate Policy Statement

Policy No.: CPS-103
Issued: December 6, 2010
Subject: Authority to Approve Transactions



APPENDIX 4
VERIZON BUSINESS
CPS 103 LETTER OF DELEGATION OF AUTHORITY
FORM 101

Within the authority granted to me in CPS-103, "Authority to Approve Transactions," I delegate

Patricia L Myers, Manager, Contract Management [redacted];
Marsha K Harrell, Senior Analyst, Contract Management [redacted]; and
Jacquelyn A Whiting, Director, Pricing & Contract Management [redacted]

the authority to perform the following function:

Execute and deliver Verizon Business Customer Contracts and Proposals requiring "wet ink" signatures, including any and all ancillary documents and amendments related thereto, that are duly approved in accordance with then-applicable Verizon Business corporate policies, including the use of stamp bearing facsimile of my signature in accordance with *Security Procedure for Anthony Recine, SVP & CMO, Blue Ink Stamp Policy.*

This will be effective beginning on July 1, 2017 and ending on June 30, 2018 or before if rescinded by me.

(Annual delegations must be completed by July 1st of each respective year and may not exceed one year from their effective date. Delegations with a start date other than July 1st should also include an end date of the subsequent June 30 or earlier.)

Distribution:

- The person delegated authority must retain a copy of Form 101 delegation, either electronic or hard copy, for one (1) year after expiration date.
- The person granting the delegation must retain the Form 101 delegation, either electronic or hard copy, for one (1) year after expiration date; send a copy to the delegate, the group Chief Financial Officer, and Corporate Finance Compliance at corporatefinancecompliance@core.verizon.com; and ensure the delegation is entered into the Accounts Payable system when appropriate.

Approved By:

Anthony Recine 6/7/17
Signature Date

Anthony Recine [redacted]
Name VZ ID

SVP & CMO (Band 4)

[redacted]
Responsibility Code or Cost Center Code

Jacquelyn A Whiting 6/15/17
Delegate's Signature Jacquelyn A Whiting

Patricia L Myers 6/16/17
Delegate's Signature Patricia L Myers

Marsha K Harrell 6/13/17
Delegate's Signature Marsha K Harrell