EXHIBIT A
INCLUDED GOODS/SERVICES
IT CABLING — CATEGORY 1 — IT CABLING & INSTALLATION



Contractor will provide contract services in the following regions and subcategories:

Region	Sub Category
North Puget Sound	Inside Outside
Olympic	Inside Outside
Southwest	Inside Outside
South Central	Inside Outside
Eastern	Inside Outside
North Central	Inside Outside

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Solicitation NO.: 05620- IT Cabling Category 1- Services and Installation	BIDDER:	CTS	
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Exhibit B - Category 1 Performance Requirements (Revised 7.30.21)

Scope:

Information technology (IT) cabling goods and services for new and previously installed Local Area Networks (LANs) and Wide Area Networks (WANs) and other voice, data, or video systems.

For purposes of this Competitive Solicitation, IT cabling is defined as including outside aerial and underground cables and inside riser, distribution, and station cabling. Copper twisted pair, coaxial cable and fiber-optic cables and other types of low-voltage signaling cables installed within buildings or campus environments also are included in the scope of this Competitive Solicitation.

This category includes Inside and Outside work, and all parts and materials required to complete the service and installation. Inside work involves IT cabling installation in new buildings, major renovated buildings and additions to existing cabling networks. Outside work will be for inter-building connectivity. Outside work may include digging and trenching as well as installing cabling.

Instructions:

1. Review Requirements.

2. Review Priority and the provided definitions:

- "MANDATORY": Bidder response must comply with the requirement and the Bidder's response will be evaluated on a "Pass/Fail" basis. Selecting "Fully Meets" for mandatory requirements will be considered "Pass". All other responses will be considered "Fail".
- "MANDATORY SCORED": Bidder response will be evaluated and assigned a score based on how well Bidder's response meets the requirement. Maximum points possible is 10 points for each requirement. Not meeting any of the requirements will be evaluated as a "Fail".
- "HIGHLY DESIRABLE": Bidder response will be evaluated and assigned a score based on how well Bidder's response meets the requirement. Maximum points possible is 5 points for each requirement. Highly Desirable Requirements support necessary purchaser operations and the Bidder response is less effective if such requirements are not met.

3. How Bidder Meets Requirements:

• Select and indicate using the pulldown button if bidder Fully Meets, or Does Not Meet a requirement in How Bidder Meets Requirement column.

4. Written Response:

- Bidder must respond in the Written Response column for every requirement that indicates a "Written Response Required".
- Bidders are asked to explain how they meet the requirement, and may also express specific exceptions and list any alternative certificates, licenses or qualifications for requirements not specifically met.
- Evaluators will consider the totality of Bidders' experience or alternative qualifications in scoring Bidder responses.
- All requested certifications/documentation required for Exhibit B must be titled: "ExhibitB1.filename.filetype", for example, Exhibit B1.certification.pdf"

5. Attachments:

- Only attachments that are requested/required in the Written response column, will be considered in evaluation.
- NO attached or additional information outside of those required attachments will be evaluated.
- All written response answers MUST be included inside this document to be considered for evaluation.

6. Outside Work:

- If Bidder is submitting proposal for Inside Work AND Outside Work, they must complete all sections marked with * for Outside work.
- Bidders who only wish to submit a bid for Inside Work do NOT need to complete sections marked with *.

Limited responses may receive lower scoring than those that demonstrate understanding and mastery of the subject matter.

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Outside Work	Req ID	Category	Functional Requirements	Priority	How Bidder Meets Requirement	Written Response
	1.0	Gen.	GENERAL BIDDER REQUIREMENTS:			
	1.1	Gen.	The Bidder must furnish all necessary labor, supervision, tools, materials, and testing required to complete the project as specified in each Purchase Order or Statement of Work (SOW) entered into with a Purchaser under the Master Contract.	MANDATORY	Fully Meets	
	2.0	Stds. Comp.	STANDARDS COMPLIANCE:			

_						Exhibit A
	2.1	Stds. Comp.	All work and materials covered by this Solicitation and resulting Master Contract(s) shall be performed in compliance with Chapter 19.28.410 Revised Code of Washington, Chapter 296-46B-010 Washington Administrative Code, and the most current versions of the following mandatory standards: NFPA-70 National Electrical Code ANSI\TIA\EIA 568 series, Commercial Building Telecommunications Cabling Standard ANSI\TIA\EIA 569-E, Commercial Building Standard for Telecommunications Pathways and Spaces, o Ex. Pathways, Work area outlets, Patch panels, Racks and cabinets, Ports, Grounding, busbars, Cabling, Firestop locations, Telecommunications space, Data center room grid ANSI\TIA\EIA 606-C Commercial Building Telecommunication standard for Labeling ANSI-J-STD-607-C, Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications ANSI\EIA\TIA 862-B Structured Cabling infrastructure Standard for Intelligent building Systems (Building Automation standard) ANSI\EIA\TIA 942-B Telecommunications standard for Data centers OSHA/WISHA Construction and safety standards Any additional codes/standards required under a Purchaser's Purchase Order/SOW or by state or federal regulation. Bidder will be held responsible for compliance with the most recent versions of the specified codes/standards/regulations and any revisions or updates. Should conflicts arise with the foregoing, the Department of Enterprise Services will have responsibility for making final interpretation.	MANDATORY	Fully Meets	
	3.0	Cert.	CERTIFICATION:			
	3.1	Cert.	COMPANY CERTIFICATIONS. Bidder must maintain certification from the Manufacturer(s) that provides structured cabling system twenty-five (25) year or more warranties as identified in Bidder's response to this RFQQ. Written Response Required. List the Manufacturer(s) Certifications you maintain that meet this requirement.	MANDATORY SCORED	Fully Meets	Belden – Partner Alliance Installer & Integrator for Belden Smart Building Networking Systems, FiberExpress Systems, REVConnect Copper Channel Systems, and Extended Belden Component Warranties. Legrand/Ortronics – Certified Installer Plus (CIP) providing nCompass Limited Lifetime Warranty – Standard Performance AND Premium Performance. Superior Essex – Certified Designer and Installer for the Superior Essex PerformaLink Warranty and Campus Warranty Programs. Berk-Tek – Certified Integrator providing "Open Architecture Systems Interconnection Solutions" (OASIS) Program. ** Leviton – Premier Network Installer Certification providing Leviton Network Solutions Extended Product and Performance System Warranties. ** **See merger letter explaining changes to these certification & warranty programs in 2021
	3.2	Cert.	COMPANY CERTIFICATIONS. The Bidder response must provide documentation that the company is certified by at least one (1) manufacturer that provides structured cabling-system 20-year-or-more warranties in Washington state. For example: • Commscope (Systimax) Ortronics, Inc. (Certified Installer-Plus Program); • AMP (Netconnect Design and Installation Program); • Leviton (Certified Cabling System); • Belden (IBDN). These manufacturers are examples only – the list is not all-inclusive. Written Response Required. Bidder must identify the certified warranty manufacturer and provide a photocopy of said certification(s). If Bidder has more than one manufacturer certification, please submit any additional certifications.	MANDATORY SCORED	Fully Meets	Belden Legrand Superior Essex Leviton / Berktek
	3.3	Cert.	COMPANY CERTIFICATIONS. Bidder must have employed staff or subcontractors that meet the certification criteria for installation for each Manufacturer upon which award of this Master Contract is predicated.	MANDATORY	Fully Meets	-
	3.4	Cert.	COMPANY CERTIFICATIONS. Bidder installation personnel that work onsite must have International, or Manufacturer certification in accordance with industry standards and best practice methodologies and must be proficient with the installation and termination of all equipment that is to be installed onsite. Upon request Bidder will furnish a copy of such certification to Purchaser or DES.	MANDATORY	Fully Meets	

					Exhibit A
3.5	Cert.	EMPLOYEE CERTIFICATION/TRAINING. Any person working on the installation or maintenance of purchaser-owned equipment must be manufacturer-certified by the equipment manufacturer, to maintain a manufacturer warrantied solution. Manufacturer Certification is defined as attendance and successful completion of certification-requirement training within a manufacturer's program. Any person working on the installation or maintenance of purchaser-owned equipment that does NOT have a new or existing manufacturer warranty, must be international professional telecommunications society certified [ex. Bicsi (Building Industry Consulting Services International), TIA (Telecommunications Industry Association), ETA International, FOA (The Fiber Optic Association)]. Certificates for all persons working on the installation or maintenance of purchaser-owned equipment must be submitted to Purchaser with a quote or Statement of Work (SOW) BEFORE starting any work. Written Response Required.	MANDATORY SCORED	Fully Meets	CTS will comply with all certification and training requirements set forth in section 3.5. CTS places a high emphasis on education and continuing education with respect to the ever changing field of IT. CTS employee's technicians that have completed both manufacturer certification as well as BICSI and FOA certification. In addition, all CTS apprentices are enrolled in a Washington State Apprenticeship & Training Council approved apprenticeship program where they learn electrical theory; NEC and WAC codes; safety; and industry best practices. Upon graduating the program, once work experience has been met, apprentices are eligible to test out and attain their (EL06) Limited Energy Electrician license.
3.6	Cert.	FIBER OPTIC CERTIFICATION. Please describe any certification/training by the Fiber Optic Association (FOA) or any qualified Industry training certification organization(s) specifically for fiber-optic or premises cabling. Written Response Required. Attach copies of any Fiber Optic or premises certifications.	HIGHLY DESIRABLE	Fully Meets	Jack Borts, John Horger, John Matthews, and Evan Horger have completed numerous continuing education courses related to fiber optics or premises cabling provided by FOA, BICSI, and other qualified organizations. Courses are listed below: Jack Borts Certifications: "Biber-Optic Cabling Infrastructure for Next-Generation Network Speeds" 8/18/17 Event ID#: OV-CABL-NH-0717-4 "Fiber-Optic Cabling Technological Advancements" 5/30/17 Event ID#: OV-CABL-NH-0417-2 "Fiber Optic Technologies and Practices" 3/17/17 Event ID#: OV-CABL-NH-0417-2 "Fiber Optic Technologies and Practices" 3/17/17 Event ID#: OV-CABL-NH-0217-2 "Fiber Termination and Testing Technologies" 8/10/17 Event ID#: OV-CABL-NH-0317-3 "Future-ready Passive Optical LANs and Passive Optical Networks" 6/09/17 Event ID#: OV-CABL-NH-0517-2 "Best Practices for Deploying High-Capacity Fiber-Optic Cabling Systems" 2/22/18 Event ID#: OV-CABL-NH-0517-2 "Installing, Terminating, and Testing High-Density Fiber-Optic Cable" 7/13/20 Event ID#: OV-CABL-NH-0917-2 "The Future of Multimode Fiber in Data Centers" 9/13/18 Event ID#: OV-CABL-NH-0917-2 "Best Practices for Testing Parallel Optics in the Enterprise" 6/15/17 Event ID#: OV-CABL-NH-0518-1 "Optical Fiber Advances and Capabilities" 4/05/18 Event ID#: OV-CABL-NH-0518-2 "Best Practices for Testing Parallel Optics in the Enterprise" 6/15/17 Event ID#: OV-CABL-NH-0517-3 "Passive Optical LAN Systems, Components, and Design" 1/25/18 Event ID#: OV-CABL-NH-0517-3 "Passive Optical LAN Systems, Components, and Design" 1/25/18 Event ID#: OV-CABL-NH-0517-3 "Passive Optical LAN Systems Compliance Training" 4/1/21 Event ID#: OV-CABL-NH-0517-3 "Passive Optical LAN Systems Compliance Training" 4/1/21 Event ID#: OV-CABL-NH-0517-3 "Passive Optical LAN Systems Compliance Training" 4/1/21 Event ID#: OV-CABL-NH-0517-3 "AGGBASE-T: Strategies for a Simple Network Migration" 5/29/15 Event ID#: OV-CABL-NH-0517-3 "GODD OV-CABL-NH-0517-3 "GODD OV-CABL-NH-0517-3 "GODD OV-CABL-NH-0517-3 "GODD OV-CABL-NH-0517-3 "GODD OV-CAB

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					Event ID#: OV-ISE-IL-0218-1 "Testing & Troubleshooting Enterprise and Data Center Copper and Fiber Cabling" 5/29/15
					Event ID#: OV-FLUKE-WA-1015-1
					"Testing & Troubleshooting Enterprise and Data Center Copper and Fiber Cabling" 2/19/20
					Event ID#: OV-FLUKE-WA-1019-1
					"Best Practices for Deploying High-Capacity Fiber-Optic Cabling Systems" 2/22/18
					Event ID#: OV-CABL-NH-0218-1
					"High-Density Cables for High Demand Networks" 9/27/17
					Event ID#: OV-ISE-IL-0817-2
					"Interpreting Fiber Test Results & How to Identify Common Mistakes" 12/5/17
					Event ID#: OV-TIA-VA-1117-1
					"Field Testing Single Mode Fiber to Support 100GIG and Beyond" 5/8/18
					Event ID#: OV-TIA-VA-0418-1
					"Belden Cabling Systems Compliance Training" 4/1/21
					Event ID#: OV-BELD-IN-0320-1
					"Hubbell Premise Wiring Installation Best Practices" 3/18/21
					Event ID#: OV-HUBB-CT-0920-1
					"Legrand Supplement Manager Training" 7/29/20
					"BICSI OSP Designer" 1/1/20
					Designation #: 248460
					John Matthews Certifications:
					"Certified Fiber Optic Technician Training Course"
					FOA Certificate: 237-0901 9/26/16
					Evan Horger Certifications:
					"Fluke Testing & Troubleshooting Enterprise and Data Center Copper and Fiber Cabling" Event ID#: OV-FLUKE-WA-1019-1 2/19/20
4.0	Lic & Staff	LICENSING AND STAFFING:			"Fluke Testing & Troubleshooting Enterprise and Data Center Copper and Fiber Cabling"
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					Exhibit A
					resolution. Sean serves as a Project Manager out of the Everett/Tacoma offices and focuses on projects on the northern side of the state. Jeff Mehl Project Manager, employed with CTS since 2016. Jeff has been working in the Telecommunications industry for 12 years. Jeff started his career in the US Military specializing in communications and served for 21 years. He is a certified and licensed 06 Journeyman and Electrical Administrator. As a Project Manager, Jeff has specialized in A/V systems, Overhead Paging, Nurse call Systems, as well as all data based systems. His unique background and experience brings skills and abilities which can meet any client's needs. Connor O'Neal Service Project Manager, employed with CTS since 2011. A 15 year veteran in the Telecommunications Industry, Connor serves as a Project Manager out of the Tacoma office and oversees the Service Department. Connor is a licensed 06 Electrician and has vast technical experience from his time in the field. This translates well in his role as Project Manager to be successful on projects by understanding the needs of both the customer and technician. Kris Pearson Project Manager, employed with CTS since 2013 Kris has been working in the Telecommunications industry for 20 years. Kris has degree in Telecommunications from Clover Park Technical Institute. He is an [06] licensed electrician and expert fiber splicer. He has been performing Project Manager duties with CTS for the last 8 years on state, government, military, and Healthcare projects.
4.2	Lic & Staff.	ELECTRICIANS. Bidder must have employed staff or subcontractors that meet the Licensed Electricians licensing requirements of chapter 19.28 RCW.	MANDATORY	Fully Meets	-
4.3	Lic & Staff.	ELECTRICIANS. Bidder must have at least one (1) employed staff or subcontractor that holds certificates of competency as at least a Journey Level Electrician per requirements of RCW 19.28.161. Written Response Required. Provide the name(s) of any such person(s) and photocopy(s) of certificate(s).	MANDATORY SCORED	Fully Meets	CTS (06) Journeymen Electricians: Bertran Woodson, License # WOODSBA852QW Brian Larson, License # LARSOBD812C5 Connor O'Neal, License # ONEALC*964LN Jeffery Mehl, License # MEHL*IS935J7 Joe Weston, License # WESTOJM913DO John Matthews, License # MATTHJW918B2 Jonathan Davis, License # DAVISJP812CA Joseph Gray, License # GRAY*JP853CF Justin Larson, License # LARSOJA891KP Matthew Pearson, License # PEARSMI862PO Miguel Gomez, License # GOMEZMA913DL Stephen Benton, License # BENTOSC864D4 CTS (01) Journey Level Electricians: Eric Vigil, License # VIGILED878NB Richard Moena, License # MOENARS943K2 Capital Electric (Sub-contractor) (01) Journey Level Electricians: O - Joshua Britton, License # BRITTJF905OT Kevin House, License # HOUSEK*943DN Jacob Cain, License # CAIN*J*945BP
4.4	Lic & Staff.	REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNERS. Bidder must maintain one or more full-time Registered Communications Distribution Designers (RCDD) on staff. A subcontractor cannot fulfill this requirement. Written Response Required. List Name of RCDD, status (part-time, or full-time) and years of experience. Describe a job where an RCDD provided a design for your business in Exhibit D1 Work History by Region. Attach photocopies of all certificates for RCDD(s).	HIGHLY DESIRABLE	Fully Meets	Jack Borts, Full-Time, over 30 years experience with 12 of those as a Project Manager with an RCDD. John Horger, Full-Time, 25 years experience with 9 of those as a Project Manager with an RCDD.

						Exhibit A
			TELECOMMUNICATIONS ADMINISTRATORS. Bidder must employ at least one (1) individual who			
			possesses a Telecommunications Administrator certificate that meets the requirements of RCW	HIGHLY		CTS Electrical Administrator:
	4.5	Lic & Staff.	19.28.430.		Fully Meets	
				DESIRABLE		Tim Kuraspediani, License # <u>KURAST*905BJ</u>
			Written Response Required. Provide the name of such person(s) and photocopy(s) of certificate(s).			
		Ungd &				
*	5.0	Aerial	UNDERGROUND AND AERIAL EXPERTISE – OUTSIDE CATEGORY ONLY:			
		(OUT)				
			Bidders must employ staff or subcontractors with expertise and equipment to conduct outside plant			John Horger, RCDD, OSP
			projects that are underground or aerial.			John has held the BICSI professional designation of "Outside Plant Designer" since 2014. He has designed,
						estimated and managed all aspects of Customer Owned and Right of Way Outside Plant work including
			Written Response Required. Provide a list of key outside plant employees or subcontractors and a			excavation, ductbank, vault, pole, and aerial construction along with copper and fiber optic cabling. Some
			brief description of their experience with outside plant projects.			specific OSP projects John has been directly involved with are the State Metropolitan Optical Network (SMON)
			and accompanion of their emperioned man catalage plant projector			build out for WaTech in Thurston County and the Washington Army National Guard Single Mode Fiber
						Infrastructure upgrade at both Camp Murray and JBLM military installations.
						Steve Benton
*	5.1	Ungd &		MANDATORY	Fully Meets	Steve is a Journeyman (06) licensed electrician and serves as a Field Supervisor. He has over 30 years'
		Aerial		SCORED	,	experience in the Telecommunications Industry, much of it as an OSP Lineman and Splicer. He is proficient with
						Building Entrance Terminal and Splice Case construction; 710 splicing; and aerial lashing. He is certified to work
						in Confined Spaces and operate man lifts, bucket trucks, and heavy equipment.
						Brian Larson
						Brian is a Journeyman (06) licensed electrician and serves as lead fiber technician for CTS. He has over 5 years'
						experience and is proficient with all types of Fiber Cable preparation and break out; LIU and Fiber Splice Case
						Construction; hand polished anaerobic terminations; fusion splicing; and aerial fiber lashing. He is certified to
						work in Confined Spaces and operate man lifts, bucket trucks, and heavy equipment.
	6.0	DO/SOM	DUDCHASE ORDERS / STATEMENT OF WORK (SOW)			
	6.0	PO/SOW	PURCHASE ORDERS/ STATEMENT OF WORK (SOW)			
			ORDERING REQUIREMENTS. Eligible Purchasers shall order goods and/or services from any resulting			
			Master Contract, consistent with the terms hereof and by using any ordering mechanism agreeable			
			both to Bidder and Purchaser but, at a minimum, including the use of a Purchase Order, or Statement			
			of Work (SOW). When practicable, Bidder and Purchaser also shall use telephone orders, email			
	6.1	PO/SOW	orders, web-based orders, and similar procurement methods (collectively "Purchaser Order"). All	MANDATORY	Fully Meets	
	0.1	10,3011	order documents must reference the Master Contract number. The terms of any resulting Master	IVII/ LIND/ CI GICT	Tany Mices	
			Contract shall apply to any Purchase Order or SOW and, in the event of any conflict, the terms of the			
			resulting Master Contract shall prevail. Notwithstanding any provision to the contrary, in no event			
			shall any 'click-agreement,' software or web-based application terms and conditions, or other			
			agreement modify the terms and conditions of any resulting Master Contract.			
			PURCHASE ORDERS/STATEMENT OF WORK (SOW). Bidder shall, in accordance with all terms and			
			conditions of this Master Contract, fully perform and shall be obligated to comply with all Purchase			
	6.2	PO/SOW	Orders/SOW received by the Bidder prior to the expiration hereof, unless otherwise directed in	MANDATORY	Fully Meets	
			writing by the Contract Administrator, including, without limitation, all Purchase Orders/SOW			
			received prior to but not fully performed and satisfied at the expiration of this Contract.			
			CHANGE ORDERS: All modifications, additions or revisions to the Purchase Order/SOW MUST be			
	6.3	PO/SOW	agreed to, and must be approved by Purchaser in writing before proceeding with any additions or	MANDATORY	Fully Meets	
			revisions to services or materials provided by Bidder.			
	7.0	Ste Seq &	SITE SECURITY AND ACCESS:			
	7.0	Access	SITE SECONITY AND ACCESS.			

				•	Exhibit A
7.1	Ste Seq & Access	While on Purchaser's premises, Bidder, its agents, employees, or subcontractors must conform in all respects with physical, fire, and security regulations. Bidder understands that all Purchaser's building entrances are controlled for access. Bidder agrees to become familiar with Purchaser's building and security policies, and further agrees to observe and comply with all Purchaser's building and security policies or procedures. Bidder understands that in order to obtain access to Purchaser's premises, Bidder must be issued a security badge by Purchaser. Bidder must provide certain personal information, including valid government issued photo identification, prior to obtaining a security badge. Bidder further understands that Purchaser will collect and retain such personal information for so long as the contract is in effect and such individual(s) has access to the premises. Purchaser reserves the right to deny an application for a security badge. Failure of Bidder to comply with Purchaser's security and safety policies and procedures is sufficient grounds for revoking, modifying, suspending or terminating access to Purchaser's facilities.	MANDATORY	Fully Meets	
8.0	Ship & Risk of Loss	SHIPPING AND RISK OF LOSS:			
8.1	Ship & Risk of Loss	SHIPPING. Bidder must ship all materials purchased pursuant to this Contract, freight prepaid, FOB Purchaser's destination. The method of shipment must be consistent with the nature of the materials and hazards of transportation.	MANDATORY	Fully Meets	
8.2	Ship & Risk of Loss	RISK OF LOSS. Regardless of FOB point, Bidder agrees to bear all risks of loss, damage, or destruction of the materials ordered hereunder that occurs prior to Acceptance, except loss or damage attributable to Purchaser's fault or negligence; and such loss, damage, or destruction must not release Bidder from any obligation hereunder. After Acceptance, the risk of loss or damage must be borne by Purchaser, except loss or damage attributable to Bidder's fault or negligence.	MANDATORY	Fully Meets	
9.0	Const. Coord.	CONSTRUCTION COORDINATION:			-
9.1	Const. Coord.	Coordinating With Purchaser. The Bidder is responsible for coordinating with the Purchaser for specific needs or requirements such as facility access, security, and work hours. Bidder must coordinate with Purchaser to schedule project work to allow maximum access to the Bidder while minimizing disruption of Purchaser's business. Accordingly, the Bidder will frequently be required to work after normal business hours (Monday through Friday, 8 a.m. to 5 p.m.) and on weekends.	MANDATORY	Fully Meets	-
9.2	Const. Coord.	NEW CONSTRUCTION. When the project is for new construction or renovation, the Bidder must coordinate with the Purchaser's project manager to ensure that all work is performed in coordination with ongoing construction activities in such a manner as to cause the least possible disruption to other Bidders, finished surfaces, and facilitate the most efficient method for completion of the work.	MANDATORY	Fully Meets	-
9.3	Const. Coord.	SAFETY REQUIREMENTS. Bidder must observe and comply with OSHA/WISHA regulations, all applicable safety and environmental laws and regulations, and all Purchaser's rules, guidelines, policies and procedures relating to safety, workplace conditions, health and the environment, including physical, fire, evacuation, accidents, hazardous materials or situations, or other safety regulations and policies during all work operations. OSHA/WISHA guidelines and rules must be followed and Bidder's adherence is subject to review by the State. All debris generated by the Bidder must be picked up and lawfully disposed of at the conclusion of each work day. Hallways must be kept free of debris, scaffolds, etc., during peak use. Traffic control devices, safety barricades, and other such devices must be utilized where necessary. Where performing work at a construction site, the Bidder will be required to abide by the Purchaser's primary Bidder's additional safety requirements. Whenever project requires Bidder to transit a firewall, the Bidder must meet all codes and requirements for proper fire-stop materials and methods	MANDATORY	Fully Meets	

	DELIVERY AND STORAGE.			
	Acceptance Testing within the time period specified in the Purchase Order or SOW atter Ridder's	MANDATORY	Fully Meets	
	, , , , , , , , , , , , , , , , , , , ,	MANDATORY	Fully Meets	-
Con	Care Of Purchaser Facilities And Equipment. The Bidder is responsible for replacing, restoring and/or bringing to original condition all floors, ceilings, walls, furniture, grounds, pavement, utilities, etc. damaged by Bidder's personnel and operations. The Bidder is responsible for care of the Purchaser's affected equipment during installation/maintenance. The Bidder must notify the Purchaser if additional equipment is needed to complete the project. The Bidder is responsible for modifying, as needed, existing Equipment to ensure compatibility with any new Equipment being	MANDATORY	Fully Meets	
' I	Permits. The Bidder is responsible for obtaining applicable permits, unless otherwise specified by the	MANDATORY	Fully Meets	-
i I	·	MANDATORY	Fully Meets	
)	, , ,	MANDATORY	Fully Meets	-
Coo	d. for removing old cabling while installing new.	MANDATORY	Fully Meets	
O Coc	rd CONSTRUCTION COORDINATION (Additional)- Outside Work Bidders Only: T)			-
1 Cod	by the Bidder. The Bidder must be responsible for damage to any existing buried utilities.	MANDATORY	Fully Meets	
Con 2 Coc	Aerial Placement. The Bidder must utilize standard industry hardware to attach aerial cable at pole locations (strand vices, guy hooks, cable suspension clamps, corner suspension clamps, etc.)	MANDATORY	Fully Meets	
	Cons Coor Coor Coor Coor Coor Coor Coor Coo	materials for each project. Purchaser will assume no responsibility for receiving any materials shipped to Purchaser's facility by or on behalf of the Bidder. No storage area will be available at Purchaser's facility for long-term storage of Bidder's materials or supplies unless so stated in the Purchaser's SOW. If providing any storage for the convenience of the Bidder, the Purchaser assumes no responsibility for any items that may be lost, stolen, damaged, or destroyed, and will not take possession of or title to any items prior to installation and Acceptance. All materials purchased under this Contract must be completely installed and ready to begin Acceptance Testing within the time period specified in the Purchase Order YoW after Bidder's receipt of an Order. Extensions will be granted at the sole option of the Purchaser. Time is of the essence with respect to delivery and Bidder may be subject to liquidated damages or termination of a Purchase Order/SOW or of this Master Contract and/or other damages available under law for failure to deliver on time. All deliveries made pursuant to this Contract must be complete. Unless Bidder has obtained prior written approval from Purchaser, which must not be withheld unreasonably, incomplete deliveries or backorders will not be accepted. All packages must be accompanied by a packing slip that identifies all Items included with the shipment and the Purchaser's will not be accepted. All packages must be accompanied by a packing slip that identifies all Items included with the shipment and the Purchaser for all deliveries made hereunder. Const. Const.	materials for each project. - Purchaser will assume no responsibility for receiving any materials shipped to Purchaser's facility by or on behalf of the Bidder. - No storage area will be available at Purchaser's facility for long-term storage of Bidder's materials or supplies unless so stated in the Purchaser's SOW. - If providing any storage for the convenience of the Bidder, the Purchaser assumes no responsibility for any items that may be lost, stolen, damaged, or destroyed, and will not take possession of or title to any items prior to installation and Acceptance. - All materials purchased under this Contract must be completely installed and ready to begin Acceptance Testing within the time period specified in the Purchase Order or SOW after Bidder's Acceptance Testing within the time period specified in the Purchase Order or SOW after Bidder's Acceptance Testing within the time period specified in the Purchase Order or SOW after Bidder's of the essence with respect to delivery and Bidder may be subject to liquidated damages or termination of a Purchase Order/SOW or of this Master Contract and/or other damages available under law for failure to deliver on time. - All deliveries made pursuant to this Contract must be complete. Unless Bidder has obtained prior written approval from Purchaser, which must not be withheld unreasonably, incomplete deliveries or backorders will not be accepted. All packages must be accompanied by a packing slip that identifies all items included with the shipment and the Purchaser's The Bidder she all deliveries made hereunder. - Const. - Con	materials for each project Purchaser will assume no responsibility for receiving any materials shipped to Purchaser's facility by or on behalf of the Bidder No storage area will be available at Purchaser's 50W If providing any storage for the convenience of the Bidder, the Purchaser assumes no responsibility for any items that may be lost, stolen, damaged, or destroyed, and will not take possession of or title to any items prior to installation and Acceptance All materials purchased under this Contract must be completely installed and ready to begin Acceptance Testing within the time period specified in the Purchaser Order or SOW after Bidder's receipt of an Order. Extensions will be granted at the sole option of the Purchaser. Time is of the essence with respect to delivery and Bidder may be subject to liquidated damages or termination of a Purchase Order/SOW or of this Master Contract and/or other damages available under law for failure to deliver on time. - All deliveries made pursuant to this Contract must be complete. Unless Bidder has obtained prior written approval from Purchaser, which must not be withheld unreasonably, incomplete deliveries or backorders will not be accepted. All packages must be accompanied by a packing slip that identifies all items included with the shipment and the Purchaser's and the Purchaser's Purchase Order/SOW number. Bidder's delivery receipt must be signed by an authorized representative of Purchaser for all deliveries made hereunder. Const. Const.

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		Const.	Equipment. All gas/diesel motorized equipment must have proper mufflers and meet any other			
*	10.3	Coord	environmental/safety requirements.	MANDATORY	Fully Meets	
		(OUT)			,	
		,	Trenching/Digging/Boring. Any trenching/digging/boring sites must be backfilled to contours and			
		Const.	elevations of undisturbed surrounding terrain. Sidewalks restoration must match the sidewalk			
*	10.4	Coord	being removed. Driveway and roadway restoration must match the driveway and/or roadway being	MANDATORY	Fully Meets	
	10.4			WIANDATORT	i ully ivicets	
		(OUT)	removed. To the extent necessary trench excavation must meet the requirements of RCW			
			39.04.180.			-
		Const.	Work In Maintenance Holes. Before work commences in conduit system maintenance holes, the			
*	10.5	Coord	Bidder must follow industry standards and WA State Regulations (WAC 296-809 – Confined Spaces)	MANDATORY	Fully Meets	_
		(OUT)	for atmospheric testing, ventilation, barricading and signage of each manhole that will be entered		, , , , , , , , , , , , , , , , , , , ,	
		(00.)	by the Bidder as applicable. Bidder must maintain proper ventilation throughout the work process.			_
		Const.	OutSide Plant (OSP) Optical Fiber Construction. All optic fiber cables utilized for outside plant			
*	10.6	Coord	applications must be suitable for outside use between buildings in a campus environment. It must	MANDATORY	Fully Moots	
	10.0	(OUT)	be suitable for runs in buried conduits and aerial runs. The outer jacket must be smooth and free	WIANDATORT	i ully ivicets	
		(001)	from holes, blisters, splits, and other surface flaws.			
	11.0	Doc.	DOCUMENTATION:			-
			The Bidder must prepare and maintain records in accordance with the State and Purchaser's			
			• •			
	44.4	D	documentation requirements. If the Purchaser has a cabling management system, the Bidder is	NAANIDATODV	Full NA t -	
	11.1	Doc.	responsible for working with the Purchaser's cabling management personnel to provide a format	MANDATORY	Fully Meets	
			compatible with this system. For remodeling projects, the Bidder is responsible for updating			
			appropriate records.			_
			AS-BUILT DRAWINGS. Bidder must maintain a working copy of an as-built drawing of the Bidder's			
	11.2	Doc.	current project that shows the progress/changes of the work completed and the location of all the	MANDATORY	Fully Meets	_
		200.	cabling, outlets, etc. This working document must be updated as often as specified in the Purchase	1011/11/27/11/21/11	Tuny Meets	
			Order/SOW.			
			In addition, the Bidder may be required to provide up to three (3) complete sets of as-built drawings			
			following project completion. These drawings must, at a minimum, show all distribution cable runs			
			utilized, number of pairs added, all distribution frames affected, and the location of all instruments			
	11.2	Daa	and outlets installed. All outlets must be physically labeled according to Purchaser specifications	MANDATORY	Fully Manta	
	11.3	Doc.	and these labels must be used in the as-built drawings to indicate outlet locations. All voice and	MANDATORY	Fully Meets	
			data cable paths and terminations must be coded according to the Purchaser's requirements. The			
			Purchaser is responsible for providing the Bidder with building plans that will be used to prepare the			
			as-built drawings.			
			TESTING DOCUMENTATION. Bidder must provide the results of all testing done on installed cable to			
	11.4	Doc.	the Purchaser, in either hard copy or by email, as directed by the Purchaser.	MANDATORY	Fully Meets	-
	+ +		LABELING. Labeling of jacks, wiring, panels, cross connect blocks and any other installed items that			
			would regularly be labeled, is required for all installations, and must comply with the labeling			
	11.5	Doc.	requirements of EIA/TIA 606-CB unless otherwise specified by the Purchaser. As-built drawings are	MANDATORY	Fully Meets	
			, , ,			
			to reflect this labeling methodology.			
	11.6	D	Labeling must be permanent and legible. Labeling must be installed at cabling points identified	NAANID ATORY	F. II. 842	
	11.6	Doc.	within the specifications in the RFQQ and Purchase Order/SOW. Unless specified differently by	MANDATORY	Fully Meets	
			Purchasers, all cable labels must comply with the labeling requirements of EIA/TIA 606-B.			
	11.7	Doc.	Bidder must work with Purchaser to identify and flag/label abandoned cable that is available to be	MANDATORY	Fully Meets	
			used at a future date.		,	
	12.0	Compat &	MATERIAL COMPATIBILITY SPECIFICATIONS AND CONFIGURATIONS			
	12.0	Specs	MATERIAL COMPATIBILITY, SPECIFICATIONS AND CONFIGURATIONS:			
			Bidder must be responsible to notify Purchaser of the existence of any compatibility issues between			
			Bidder's materials and Purchaser's already existing or planned for hardware, software or cabling.			
	12.1	Compat &	Purchaser will provide Bidder access in a timely fashion to necessary areas and equipment sites and		Fully Meets	
	12.1	Specs	must provide Bidder with a list of any existing or planned for hardware, software and cabling, as		I dily ivicets	
			necessary.		1	

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12.2	Compat & Specs	Materials delivered hereunder will conform to that item's detailed specifications in all respects including, but not limited to; physical characteristics, operating characteristics, space requirements, power requirements, maintenance or warranty characteristics, modularity, compatibility, and the like, as may be modified in writing and agreed to by the parties.	MANDATORY	Fully Meets		
13.0	Inst. & Set Up	INSTALLATION AND SET-UP:				
13.1	Inst. & Set Up	Bidder must separately itemize all installation and physical requirements for materials as listed below: • Ventilation or Air conditioning • Electrical requirement • Special grounding • Cabling requirement • Weight (floor loading) • Space requirements • Humidity and temperature limits • Noise level	MANDATORY	Fully Meets		
13.2	Inst. & Set Up	 When installing materials, Bidder will provide, at no additional charge: A written installation support plan and schedule addressing staffing, site preparation requirements, resource allocation, testing procedures. Site surveys. Station reviews to identify user requirements. An on-site Manufacturer certified technician during and after the Project until the Materials operate properly. 	MANDATORY	Fully Meets		
13.3	Inst. & Set Up	Bidder installation personnel that work onsite must have International, or Manufacturer certification in accordance with industry standards and best practice methodologies and must be proficient with the installation and termination of all equipment that is to be installed onsite. Upon request Bidder will furnish a copy of such certification to Purchaser or DES.	MANDATORY	Fully Meets	-	
13.4	Inst. & Set Up	Purchaser must have access to the work site at all times during installation.	MANDATORY	Fully Meets		
13.5	Inst. & Set Up	Purchaser must prepare the environment to house the Materials based upon written requirements provided by Bidder in its installation plan, as modified in writing and agreed to by the parties. Bidder's specialists must be available to provide required consultation related to environment preparation at no extra cost to Purchaser apart from the costs presented in Bidder's Response. Any requirements for the environment not disclosed in Bidder's installation plan will be completed by Bidder at no additional cost to Purchaser. Purchaser will provide standard commercial power. Bidder must install an external, Manufacturer recommended surge protector between the power source and each major system.	MANDATORY	Fully Meets		
13.6	Inst. & Set Up	Bidder must be responsible for acquiring any required permits.	MANDATORY	Fully Meets		
13.7	Inst. & Set Up	Bidder must replace, restore and/or return all floors, ceilings, walls, grounds, pavement, etc., damaged by Bidder personnel to their original condition at no additional cost to Purchaser.	MANDATORY	Fully Meets		
13.8	Inst. & Set Up	All debris generated by Bidder must be picked up and lawfully disposed of at the conclusion of each work day. Hallways must be kept free of debris, scaffolds, etc., during peak use. Traffic control devices, safety barricades, and other such devices must be utilized where necessary.	MANDATORY	Fully Meets		
13.9	Inst. & Set Up	Bidder is hereby notified that fiber optic, communications, control systems, and other types of cable (collectively called "cabling") may be located within or on Purchaser's grounds and facilities.	MANDATORY	Fully Meets		
13.10	Inst. & Set Up	Before beginning work on or about Purchaser's premises, Bidder must contact Purchaser's communications network control center to determine if Purchaser's cabling systems will be impacted and to make necessary arrangements. Prior to the commencement of any work that may impact underground utilities not owned by Purchaser, Bidder agrees to notify affected owners under the requirements of chapter 19.122 RCW, Underground Utilities.	MANDATORY	Fully Meets		

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13.11	Inst. & Set Up	Purchaser hereby permits Bidder to interface with such cabling and design engineering systems in support of the delivery of the Materials and Services ordered under this Master Contract.	MANDATORY	Fully Meets	-	
13.12	Inst. & Set Up	Bidder must install the materials, with all features, options, parts and wiring ordered by Purchaser, ready for Acceptance Testing, on or before the Installation Date(s) specified in the Purchase Order/SOW. Failure to meet the Installation Date(s) may subject Bidder to liquidated damages or termination of a Purchase Order or of this Master Contract and damages available under law, unless such failure is caused by acts or omissions of Purchaser.	MANDATORY	Fully Meets	-	
13.13	Inst. & Set Up	After installing the materials, Bidder must provide Purchaser with documentation of a successful system audit using Bidder's diagnostic routines, as approved by Purchaser, demonstrating that the materials meet or exceed the Specifications. Bidder must certify to Purchaser in writing that the materials are ready for Acceptance Testing. If after reviewing such documentation Purchaser agrees that the materials are ready for Acceptance Testing, Purchaser must begin Acceptance Testing, as set forth in the section titled Standard of Performance and Acceptance.	MANDATORY	Fully Meets		
14.0	Std Perf & Acc.	STANDARD OF PERFORMANCE AND ACCEPTANCE:				
14.1	Std Perf & Acc.	This section establishes a Standard of Performance that must be met before Acceptance. This Standard of Performance is also applicable to any additional, replacement, or substitute materials and any materials that are modified by or with the written approval of Bidder after having been accepted.	MANDATORY	Fully Meets		
14.2	Std Perf & Acc.	MATERIALS TESTING. All installation, wiring, and cabling requirements identified in the Purchase Order/ SOW must be satisfied. All materials must be tested, functional and certified, based on ANSI/TIA/EIA installation standards and best practices and be approved by the Purchaser and/or Purchaser's on-site coordinator prior to acceptance for payment. Minimum testing of copper cable is to include Wire Map, continuity, NEXT and attenuation in accordance with the most current ANSI/TIA/EIA-568 standard. Minimum testing for fiber cable is to include testing the attenuation and Optical Return Loss of the installed cable plant to meet TIA standard loss levels. This will be accomplished by providing passing test results from the following test equipment an optical loss test set (OLTS)(Tier 1 test) and an Optical Time Domain Reflectometer (OTDR) (Tier 2 test). Complete test results whether they be for copper or fiber will be provided digitally for each terminated fiber strand and each copper pair at the end of the project. When performing a Tier 1 test on laser optimized multimode fiber (OM3, 4 or 5) the use of encircled flux reference cables shall be used for proper test results. When performing a Tier 2 test on fiber optic strands that have splices or that splice between two different cable manufacture's glass, testing on an OTDR will be done in both directions and loss values will be averaged and recorded in the test results. When testing and certifying copper or fiber cables, all test equipment must have a calibration date not to exceed 1 year from the date of the test.	MANDATORY	Fully Meets		
14.3	Std Perf & Acc.	RESPONSIBILITY FOR COMPLIANCE. Inspections, tests, measurements or other acts or functions performed by State of Washington personnel must in no manner be construed as relieving the Bidder from full compliance with requirements. Upon Purchaser notification of defective or unauthorized equipment or materials, and unacceptable installation/repair practices, the Bidder will immediately replace or modify affected practices or parts at no additional cost to the Purchaser.	MANDATORY	Fully Meets		
14.4	Std Perf & Acc.	ACCEPTANCE. Acceptance of materials and services will be based as follows or as detailed in Purchaser's Purchase Order/SOW. Fifteen (15) consecutive days of one-hundred percent (100 percent) trouble-free performance where: • 100 percent of all terminations are operational and the Effectiveness Level is 100 percent; • 100 percent of all ancillary equipment is operational and the Effectiveness Level is 100 percent; • Labeling and as-built drawings have been completed according to Purchaser's specifications and provided to the Purchaser.	MANDATORY	Fully Meets		

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	14.5	Std Perf & Acc.	EFFECTIVENESS LEVEL. The Effectiveness Level is the percentage of time in a month that the materials are functioning properly in accordance with its specifications. The Effectiveness Level is determined by dividing the operational use time of the materials by the sum of the operational use time plus the materials failure downtime, all of which must be measured in hours and whole minutes. Operational Use Time for materials is defined as the total time the materials would normally be used. Materials Failure downtime is defined as the accumulated time during Operational Use time when work cannot be processed or accurately completed because of materials Failure. Materials Failure is defined as a malfunction that prevents the accomplishment of the intended function(s) of the materials.	MANDATORY	Fully Meets	
	14.6	Std Perf & Acc.	DOWNTIME. Downtime for each incident must start from the time that Bidder knew or reasonably should have known of the materials failure, or Purchaser makes a bona fide attempt to contact Bidder's designated representative at the prearranged contact point, whichever occurs earlier, until the materials are returned to fully operational status in conformance with its specifications. During periods of materials failure downtime, Purchaser may use operable portions of the materials when such action does not interfere with repair of the inoperable portions.	MANDATORY	Fully Meets	
	14.7	Std Perf & Acc.	FAILURE TO MEET STANDARD OF PERFORMANCE. If the services and materials do not meet the Standard of Performance during the first period of Acceptance Testing, Purchaser at its sole option may continue on a day-to-day basis until the Standard of Performance has been met, or terminate the Purchase Order/SOW without penalty, or demand replacement materials or services and/or corrections from the Bidder at no additional cost and continue the Acceptance Testing for an	MANDATORY	Fully Meets	
	14.8	Std Perf & Acc.	WRITTEN NOTICE OF ACCEPTANCE. Purchaser, at its sole discretion, will determine whether the services and materials have successfully completed Acceptance Testing. Bidder must not bill Purchaser until this Standard of Performance is met. Upon successful completion of the Acceptance Testing, Purchaser will provide a written notice of a successful Acceptance Testing to the Bidder's Project Manager.	MANDATORY	Fully Meets	
	14.9	Std Perf & Acc.	BIDDER SUPPORT. Bidder must provide support for the period up to the issuance of Acceptance by Purchaser. This support must include troubleshooting, the correction of any bugs or deficiencies, and the resolution of any operating problems. During this period, Bidder will provide, at no additional cost, unlimited technical support by telephone. If a problem cannot be resolved within forty-eight (48) hours of Purchaser's initial notification, Bidder must provide at no additional cost onsite service and support to resolve the problem.	MANDATORY	Fully Meets	
1	14.10	Std Perf & Acc.	ESCALATION PROCEDURES Bidder must submit an escalation procedure, providing trouble escalation for normal and emergency events. Bidder is required to submit updated escalation procedures upon any change. Written Response Required. Provide contact names and titles, with appropriate time intervals and point(s) of contact for unresolved service problems. Bidder is required to submit updated escalation procedures upon any change.	MANDATORY SCORED	Fully Meets	Escalation Guidelines The following process sets forth the escalation guidelines by which CTS shall involve its management personnel to address unresolved problems reported by clients. The CTS manager to whom the problem is escalated will take ownership of the problem and manage the resolution of the problem unless and until there is an escalation of the problem to another person who takes ownership of the problem within the CTS organization in accordance with the attached Escalation Table. Customer initiated escalations will begin at the Technical Support Primary Contact level for the period specified in the "Elapsed Time" column of the table commencing from the time the Problem is reported to CTS Technical Support Primary Contact, and proceed upward. Definitions Priority 1: The customer's production network is down, causing critical or significant impact to business operations. No work-around is available. CTS will immediately commit continuous resources to resolve the situation. Priority 2: Non-emergency situations that require an immediate/timely response. CTS will commit the proper

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					resources to respond accordingly within 1 business days. Priority 3: Routine maintenance/repair requests such as Moves, Adds, Changes (MAC) CTS will commit the proper resources to respond accordingly within 3 business days.
					It is CTS policy to work with the customer to establish the Priority for a problem and to accept the customer's determination of the Priority. A Priority for a particular problem may be lowered, by mutual agreement, as progress is made toward resolution of the Problem.
					Should a problem be unresolved in the timeframe per the priority level, the client can escalate the matter to the appropriate individual on the escalation table. This escalation can be repeated as appropriate should the issue not be resolved in the appropriate timeframe.
					Please see attached Escalation Table for further details.
15.0	Wnty.	WARRANTY:			
15.1	Wnty.	Bidder warrants that the materials must be new, of the latest design, of good quality, free of defects, fit and safe for the intended purposes, free from defects in materials and workmanship, and must be produced and delivered in full compliance with applicable law and in conformance with the Master Contract and Purchase Order/SOW (including EIA/TIA Category Certifications for cables and termination components). All materials and work not in conformance with the Master Contract, and Purchase Order/SOW and EIA/TIA Category Certifications for cables and termination components must be replaced free-of-charge to Purchaser during the base-offer warranty period, commencing upon the first day after the Acceptance Date.	MANDATORY	Fully Meets	
15.2	Wnty.	During the Warranty Period, Bidder must adjust, repair, or replace all materials that are defective or not performing in conformance with the specifications. All costs for such adjustments, repairs, or replacements, including all costs for replacing parts or units and their installation and any transportation and delivery fees, must be at Bidder's expense. Any defective materials must be repaired or replaced for Purchaser so that it conforms to the specifications of the Master Contract and Purchase Order/SOW.	MANDATORY	Fully Meets	
15.3	Wnty.	Bidder agrees that all warranty service provided hereunder must be performed by Manufacturer-trained, certified, and authorized technicians. Bidder further agrees to act as the sole point of contact for warranty service. Bidder warrants that it has or will obtain and pass through to Purchaser any and all warranties obtained or available from the Original Equipment Manufacturer (OEM), including any replacement, upgraded, or additional materials warranties.	MANDATORY	Fully Meets	
15.4	Wnty.	Goods Warranty. The base-offer warranty period for the building wiring system must be a minimum of twelve (12) months, and can be increased by the Purchase Order/SOW which must start on the "Acceptance Date."	MANDATORY	Fully Meets	Written Response Required
15.5	Wnty.	Services Warranty. Bidder will warranty the services provided under the resulting Master Contract. Bidder will provide a minimum of twelve (12) months Services warranty from the time of acceptance by Purchaser for installed/repaired materials including basic common equipment, terminal equipment and all other ancillary equipment. Bidder provided Services warranty will be carried over into 5.3 of resulting Master Contract. Written Response Required: Please detail warranty provided on services including # months covered in Warranty Period.	MANDATORY SCORED	Fully Meets	CTS warrants each installation performed by CTS against defects in materials and workmanship for a period of 1 year from the date of completion. Simply contact the Project Manager assigned to the project or the DES Account Manager to request warranty services. CTS will dispatch a technician to evaluate the problem. If it is found to be a valid warranty claim, CTS will work with the Manufacturer to RMA the defective material and replace under warranty free of charge.
15.6	Wnty.	Technical Support. Bidder must provide Technical Support and Service Desk for reporting warranty issues and for trouble-shooting problems. Bidder's Technical Support and Service Desk can be reached at the number identified during normal business hours (8:00-5:00, M-F), at a minimum. After hours Support Services is preferred. Written Response Required. Bidder's Technical Support Services can be reached at (to be filled in by Bidder). Indicate if have after hours phone number, and hours available, that Purchasers can reach Support Services after normal business hours.	MANDATORY SCORED	Fully Meets	Customers can receive technical support and report warranty issues by either contacting the assigned Project Manager directly via email and cell or by following the procedures below: Customer Service Phone # 206-686-2000 (8AM-5PM, M-F) Project Manager: See "Exhibit B1.4.1 Project Manager" for list of project managers. Phone # 206-686-2000*

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					*ask to be routed to specific Project Manager for the project.
					After hours dial "9" when prompted to leave a message in the Emergency mailbox. The message will then be emailed to the PM on call who will respond once notified.
					DES Account Manager
					John Horger, RCDD, OSP
					DES Account Manager / Senior Project Manager
					Phone- # (360)-951-8124
					Email- JohnH@cablects.com
					General Manager
					Tim Kuraspediani
					General Manager
					Phone- # (253) 678-0499
					Email- Timk@cablects.com
16.0	Mat. Maint.	MATERIALS MAINTENANCE:			
16.1	Mat. Maint.	Non-emergency maintenance/repair callback response time during warranty will be within eight (8) Business Hours after notification. On-Site response time to routine maintenance/repair requests such as Moves, Adds, and Changes (MACs) must be within three (3) Business Days of request, unless otherwise negotiated by Purchaser and Bidder. Routine maintenance/repair will be performed during Business Hours. When on-site, Bidder must report to Purchaser's designated coordinator prior to and after each service call.	MANDATORY SCORED	Fully Meets	CTS will fully comply with said non-emergency maintenance/repair response times. A Project Manager will be assigned to the project and cell number and email provided for direct communication and scheduling. In the event the Project Manager cannot be reached, the customer may call the main line at 206-686-2000 (8AM-5PM, M-F) to speak with an operator who will assist in getting in touch with another Project Manager that will be able to help.
		Written Response Required			
16.2	Mat. Maint.	Emergency on-site maintenance/repair response time during warranty will be within two (2) hours, twenty-four (24) hours per day, seven (7) days per week, including holidays. Time to correct an emergency situation must not exceed eight (8) hours after notification. Emergency maintenance applies to: (i) Failure of signaling; (ii) Failure of power supply; and (iii) Failure of any terminals deemed critical by Purchaser to the functioning of Purchaser's business functions.	MANDATORY SCORED	Fully Meets	CTS will fully comply with said emergency on-site maintenance/repair response and correction times. A Project Manager will be assigned to the project and cell number and email provided for direct communication and scheduling. In the event the Project Manager cannot be reached, the customer may call the main line at 206-686-2000 (8AM-5PM, M-F) to speak with an operator who will assist in getting in touch with another Project Manager that will be able to help. If the emergency is after hours, simply dial "9" when prompted and leave a message in the Emergency mailbox. The Project Manager or on-call technician will respond accordingly and
		Written Response Required			address the emergency with appropriate resources.
16.3	Mat. Maint.	Purchaser may impose liquidated damages as part of their Purchase Order/SOW for each "late" hour or part thereof (prorated in whole minutes) beginning with the time of notification and ending with the time of arrival, if Bidder's maintenance personnel fail to meet response times identified above.	MANDATORY	Fully Meets	
16.4	Mat. Maint.	Any work or upgrade that may affect service must be coordinated with Purchaser's coordinator a minimum of 48 hours in advance. Maintenance and upgrades that might affect service will not be conducted during Business Hours without Purchaser's prior written approval.	MANDATORY	Fully Meets	
16.5	Mat. Maint.	Purchaser agrees that Bidder will not be liable for any damages caused by Purchaser's actions or failure of Purchaser to fulfill any of its responsibilities for site installation.	MANDATORY	Fully Meets	
16.6	Mat. Maint.	Bidder personnel responding to maintenance calls, repairing or servicing the system must be Manufacturer-certified to work on the materials.	MANDATORY	Fully Meets	
16.7	Mat. Maint.	Bidder must maintain a log on Purchaser's premises that details repairs, maintenance and upgrades to the system. The log must be available for inspection by Purchaser and/or DES upon request.	MANDATORY	Fully Meets	
16.8	Mat. Maint.	Purchaser must provide Bidder access to the system to perform maintenance service.	MANDATORY	Fully Meets	
16.9	Mat. Maint.	When on-site, Bidder must report to Purchaser's designated coordinator prior to and after each service call.	MANDATORY	Fully Meets	

16.10	Mat. Maint. Mat.	Upon completion of each maintenance call, Bidder must furnish a maintenance activity report to Purchaser, which must include, as a minimum, the following: • Date and time notified. • Date and time of arrival. • Type and serial number(s) of machine(s). • Time spent for repair. • Description of malfunction. • List of parts replaced. • Additional charges, if applicable. There must be no additional maintenance charges for: • Replacement parts. • Remedial maintenance required within a forty-eight (48) hour period due to recurrence of the	MANDATORY	Fully Meets Fully Meets	Exhibit A
10.11	Maint.	 same malfunction. Time spent by maintenance personnel after arrival at the site awaiting the arrival of additional maintenance personnel and/or delivery of parts, tools or other required material. In cases where Bidder does not respond within the required time, Purchaser must have the option of 	WANDATOR	Tally Micets	
16.12	Mat. Maint.	acquiring repair from another manufacturer-certified source and Bidder must be responsible for full reimbursement of costs incurred by Purchaser. Maintenance by another manufacturer- certified source when Bidder has failed to respond will not constitute grounds to void the warranty.	MANDATORY	Fully Meets	
17.0	Spare Parts	SPARE PARTS:			
17.1	Spare Parts	Bidder must make available to Purchaser either a depot repair center and/or an availability guarantee of component parts and sub-assemblies necessary for on-going maintenance and operation of the materials. Bidder guarantees part availability for a minimum of seven (7) years from the Acceptance Date of materials by Purchaser. In addition, Bidder must have a complete on-site "crash kit" of spare parts or a permanent maintenance facility with a full parts inventory within a distance that will meet the specified emergency on-site response times.	MANDATORY SCORED	Fully Meets	CTS will fully comply with the requirements set forth in section 17.1. We have two regional warehouse locations in Washington State. One location in Tacoma and one location in Olympia. Each are stocked with inventory that is commonly used on IT cabling projects. Full time warehouse personal manage the materials and maintain appropriate stock levels based on reviews with local Project Managers and their customer's needs. In addition, CTS maintains a fleet of service trucks. Each service truck is set up as a location, in essence a mobile warehouse that is stocked with common replacement parts for the customers that they perform service for. This gives us the ability to quickly respond to a trouble ticket and then replace faulty components on the same call out without the delay of procuring replacement parts through traditional supply channels. Local Project Managers work with the Service Technicians to maintain appropriate stock levels on common replacement components to best serve their customer's needs.
18.0	Fed Funds	FEDERAL FUNDS:			
18.1	Fed Funds	Bidder meets the most current version of the FEDERAL TRANSIT ADMINISTRATION ARTICLES FOR PROCUREMENT CONTRACTS, as listed in the Master Contract Exhibit E1. This will qualify bidder to bid on jobs where Purchaser uses FTA funds for payment. To the extent that any Purchaser uses federal funds to purchase goods and/or services pursuant to any resulting Master Contract, such Purchaser shall attach the most current version of federal funding requirements/articles to purchase order/SOW, and specify any applicable requirement or certification that must be satisfied by Bidder with its order/SOW, at the time the order is placed. Bidder must use best efforts to execute such federal assurances or requirements as may be necessary for Purchaser to utilize such federal funding (e.g., FTA requirements, sample attached as Exhibit D). Written Response Required	HIGHLY DESIRABLE	Fully Meets	CTS is familiar with and fully complies with FTA requirements. We have successfully participated in numerous Transit and Government projects requiring FTA compliance and have partnerships with manufactures that are "TAA" and "Buy America Act" certified.

	_					EATIBILA
19.	.0	Opt.	E-WASTE BUYBACK OR RECYCLING OPTIONS:			
19.	.1	Opt.	Bidder must have E-waste buyback or recycling program option for old cabling. Provide options for E-waste buy back or old cabling recycling to purchasers. Written Response Required	HIGHLY DESIRABLE	Fully Meets	CTS partners with 3R Technologies, a certified e-waste recycler, to assist customers in economically disposing of e-waste per local, state, and federal guidelines. CTS also participates in old cable recycling where local pick up and recycling is performed free of charge.
			Written response required			C13 also participates in oid cable recycling where local pick up and recycling is performed free of charge.
20.	.0	Inv.	INVOICING:			
20.	.1	Inv.	Bidder must submit to Purchaser's designated invoicing contact properly itemized invoices for Goods and/or Services delivered under this Master Contract. Such invoices must itemize the following: (a) Master Contract No. 05620 (b) Bidder name, address, telephone number, and email address for billing issues (i.e., Bidder Customer Service Representative) (c) Bidder's Federal Tax Identification Number (d) Date(s) of delivery (if applicable) (e) Description of Services and Installation provided, including hourly rate and total hours for each labor category, if applicable. Pricing for Labor categories must be clearly structured in same manner as contract pricing (\$/hr. and PW + %) (f) Description of Parts and Materials provided. Pricing for Parts and Materials must be clearly structured in same manner as contract pricing (cost + % markup) (g) Invoice amount; and (h) Payment terms, including any available prompt payment discounts. Bidder's invoices for payment must reflect accurate Master Contract prices. Invoices will not be processed for payment until receipt of a complete invoice as specified herein.	MANDATORY	Fully Meets	





Partner Certification

Belden hereby confirms that

Cabling and Technology Services

is a Partner Alliance Installer and Integrator Program Member for 2021.

This certificate confirms that the company may certify Belden Smart Building Networking Systems.

A Belden Certified System is a structured cabling system that has been engineered, designed and installed by the Belden Certified Partner in accordance with all applicable Belden guidelines. Belden Certified Networking Systems receive an extended component warranty and application assurance.



High Performance Cabling Systems



Legrand and Superior Essex acknowledge that

CTS

2720 South Ash Street Tacoma WA 98409 United States

is a Certified Contractor in good standing as a premier

Certified Installer Plus

As a Certified Installer Plus (CIP), CTS supports and provides the Legrand and Superior Essex nCompass Limited Lifetime Warranty - Standard Performance and the nCompass Limited Lifetime Warranty - Premium Performance.

www.nCompass-systems.com

High Performance Cabling Systems

"Network owners and managers operate reliable, efficient, flexible and supported networks with nCompass high performance cabling systems."





complete support.

Effective project management is critical to your success. From the design phase, throughout your installation, and in the years beyond we provide you complete

- Accredited design specialists
- Field engineers
- National network of certified contractors
 Excellent product performance
- Extended warranties



Minimize your network downtime and significantly decrease operational budgets. Support increasing bandwidth demands with reliable products that are tested to ensure performance margins.

- · State-of-the-art research facilities
- In-house ETL testing lab
- Interoperability testing with leading industry development companies



complete efficiency.

nCompass cabling systems improve your network's efficiency with innovative design principles that enhance passive airflow, as well as provide product features that increase installation productivity and reduce overall network costs.

- Lower OPEX and CAPEX
- Reduced jobsite waste
- Smaller diameter cable
- · Installation productivity benefits



complete flexibility

Anticipate the next generation of network requirements with products that grow with changing demands to offer flexibility across several applications.

- · Standard, high and ultra-high density Outside plant
- Data centers, including SAN environments
- LAN applications

www.nCompass-systems.com



This document certifies that

CTS (Cabling and Technology Services)

2720 S. Ash St,

Tacoma, WA 98409

is recognized as a Certified Designer and Installer for the Superior Essex PerformaLink® Warranty and Campus Warranty Programs.

9/14/2020 - 9/14/2022 Registration # 140920-01 Program Manager



Leviton Premier Network Installer Certification

CTS- Cabling & Technology Services - Tacoma, WA

Has met Leviton's Certification Program selection criteria and has successfully completed the program certification requirements. Therefore, CTS-Cabling & Technology Services is hereby certified as a Leviton Premier Network Installations performed by CTS-Cabling & Technology Services that are compliant with TIA/EIA and/or ISO requirements are eligible to receive Leviton Network Solutions Extended Product and Performance System Limited Warranties.

CTS- Cabling & Technology Services has agreed to conform to all Leviton specified, TIA/EIA and/or ISO compliant installation practices in force at the time of installation. In addition, CTS- Cabling & Technology Services agrees to install Leviton approved products and category compliant cabling in compliance with program policies and related industry standards.

TIA/568 Series and ISO standards compliant links and channels are covered under Leviton Network Solutions Extended Product and Performance Warranties when installed by Premier Network Installers. Leviton approved cable manufacturers must be used to obtain system warranties.

CTS- Cabling & Technology Services agrees to adhere to the Terms & Conditions of Leviton Network Solutions certified contractor program, and the Terms & Conditions of the programs Extended Product and Performance System Limited Warranties for the duration of their participation in the program. In no event shall Leviton be liable for special, indirect, incidental, consequential or punitive damages (regardless of the form of action, whether in contract or in tort, including negligence, gross negligence and strict liability), including, without limitation, lost profits, lost revenue, loss of data, technology, rights or services, interruption of business, costs of procurement of substitute products or other economic damage arising from the failure of a system installed by a Leviton certified contractor.

0011032

March 18, 2014

Certification Number

Certified Installer Since

Dil Plube

December 31, 2020

David Rumpakis, RCDD Contractor Programs Manager **Expiration Date**

Rev 8.14 5128b H14

MASTER CONTRACT No. 05620-12 – IT CABLING – CATEGORY 1 SERVICES AND INSTALLATION (Rev. 2021-06-18)

46





CERTIFIED INTEGRATOR

CTS - Cabling & Technology Services

2720 South Ash Street, Tacoma, WA, 98409

is authorized to register and install Structured Cabling Systems under the terms and conditions of Berk-Tek's Open Architecture Systems Interconnection Solutions (OASIS) Program.

CERTIFICATE VALID: 1/1/2020 through 12/31/2020 CERTIFICATION NUMBER: OASIS4126



Heather M. Zynn Heather M. Zynn

Heather M. Zynn
CONTRACTOR PROGRAMS MANAGER

Meggin Scott

From: Zynn, Heather < Heather.Zynn@leviton.com>
Sent: Monday, December 14, 2020 10:38 AM

To: Meggin Scott

Subject: Leviton Certification Program

December 7, 2020

Dear Meggin Scott,

The network experts you trust just got even better: Leviton acquired Berk-Tek, joining two established industry partners in connectivity and cable. Now, under Leviton, you get the same innovative end-to-end systems from a single U.S. manufacturer, backed by even greater service and support. The same holds true for our valued contractors!

We are happy to announce that we are merging Berk-Tek's OASIS program with Leviton's Certification program beginning January 1, 2021. The combined programs will now be referred to as the **Leviton Certification Program**.

As a 2020 certified OASIS CHOICE contractor, CTS - Cabling & Technology Services WILL NOT be required to renew your certification for 2021. You will automatically qualify as a Premier Network Installer in the new combined Leviton Certification Program.

You will continue to enjoy the same level of advantages as a Preferred Network Integrator as well as additional program perks we are developing for 2021:

- o The convenience to choose between accessing both the OASIS portal or the LSR System.
- Access to Limited Lifetime Warranty
- o Participate in higher Year-end rebate percentage
- o Participate in Design-spec reward program
- Number of certified installers limited by region
- Free Webinars
- Quarterly Newsletter
- o Listed on Leviton Website "Find a Certified Installer"
- o Access to Leviton national and multi-national spec work
- o Gold Tech Support Line to move up on AE support Queue
- o Access to free, online product and CEC training through EZ-Learn Platform

To continue to qualify as an installer in the PNI level, you will be required to maintain your current 3-year renewal timeframe. An evaluation of your level will be conducted at the end of 2021 to determine your continuation in the program.

We will do our best to keep you informed as we make the transition into one great program. Look out for the following information coming soon!

- ✓ Instructions on how to apply for your 2020 Year End OASIS Rebate
- ✓ Instructions on how to apply for the 2020 Leviton Annual Rebate
- ✓ Information on the combined 2021 Rebate Program!

Please contact Heather Zynn heather.zynn@leviton.com , or Deana Roney DRoney@leviton.com with any questions regarding this exciting transition. We are looking forward to our continued partnership!

Kind Regards,

Heather Zynn Deana Roney
Deana Roney
Deana Roney

Contractor Programs Manager Sr. Certification Programs Administrator,

Network Solutions

Asef Baddar, RCDD, DCD

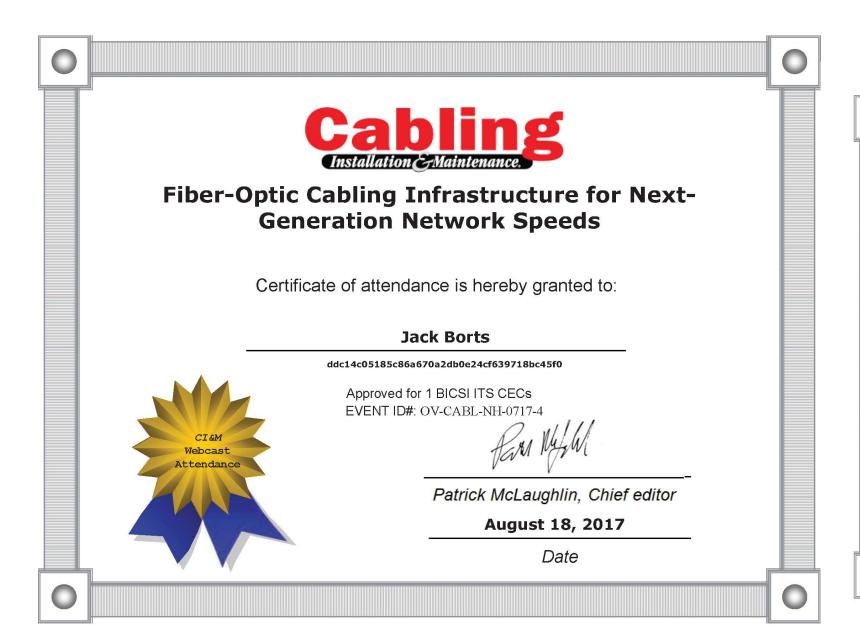
Aset Baddon

Sr. Manager, Applications Engineering & Certification Program,

Network Solutions



B









Fiber Optic Technologies and Practices

Certificate of attendance is hereby granted to:

Jack Borts

79af5c44aa305e7f976387d7ce6f495bcb9b56a3

Approved for 1 BICSI ITS CECs EVENT ID#: OV-CABL-NH-0217-2

Ed Murphy, Associate Publisher

March 17, 2017

Date

GraybaR

Certificate of Completion

This is to Certify that

Jack Borts

has successfully completed

Fiber Optic Cable Termination Course

Presented by Corning

June 29, 2010

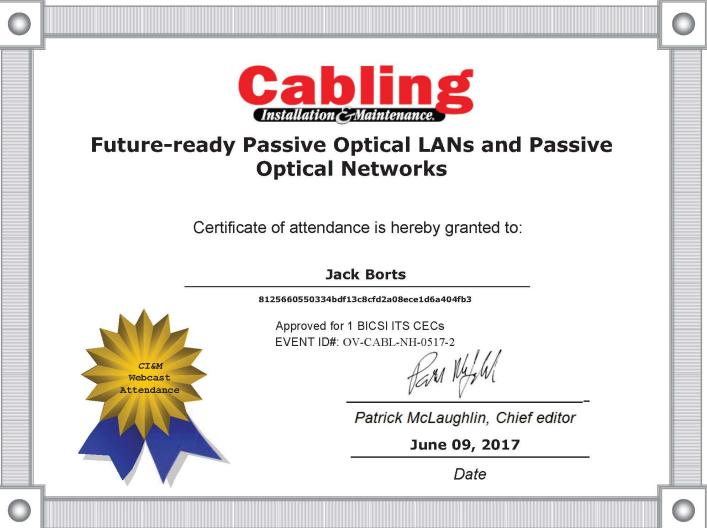
(2) BICSI CEC's, RCDD, OSP, Installer2, Installer2 Copper/Optical Fiber, Technician, Certified Trainer

Serving Our Quality In nities for 140 Years Service and Efficiency

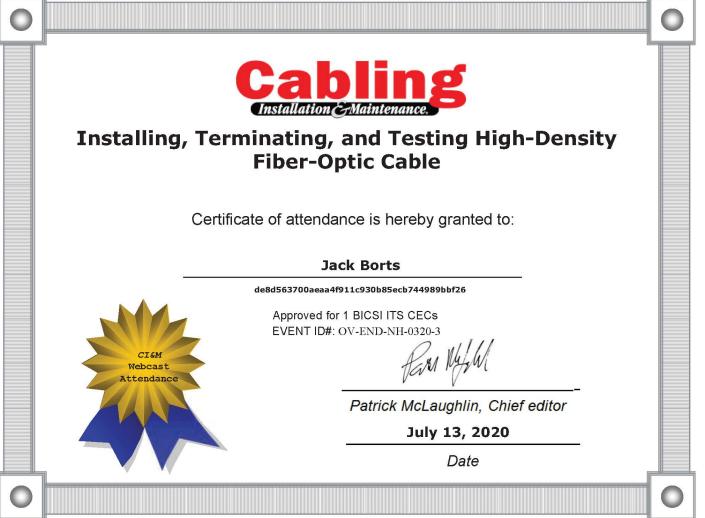
Bert L. Clark Graybar Electric Co Inc. District Network Systems Specialist Seattle, WA













Provide Network Scalability and Reduce Cost

Certificate of attendance is hereby granted to:

Jack Borts

1883df48c965a9830eb90484b1fe703f9cdeb6dd



Approved for 1 BICSI ITS CECs EVENT ID#: OV-CABL-NH-0917-2

Patrick McLaughlin, Chief editor

October 13, 2017

Date



The future of multimode fiber in data centers

Certificate of attendance is hereby granted to:

Jack Borts

d15f4ce857ed40ef734cf96b932b4662822112ba



Approved for 1 BICSI ITS CECs EVENT ID#: OV-CABL-NH-0618-1

Patrick McLaughlin, Chief editor

September 13, 2018

Date









Passive Optical LAN Systems, Components, and Design

Certificate of attendance is hereby granted to:

Jack Borts

61b64a009a3ced74863a50756896017bd207dddd



Approved for 1 BICSI ITS CECs EVENT ID#: OV-CABL-NH-1217-2

Patrick McLaughlin, Chief editor

January 25, 2018

Date





Jack Borts

has successfully completed

Belden Cabling Systems Compliance Training (10 BICSI CECs)

Melissa Knapp

Melissa Knapp Enterprise Training Manager



Note: This attestation does not authorize the technician or the technicians company, to i) offer Certified Systems, ii) perform maintenance or MAC activities on existing Certified Systems unless directly supervised by a Certified PartnerAlliance Installer, or iii) represent themselves in any way as a Belden Certified PartnerAlliance Installer.

Course Completed on:

Total CECS:

4/1/21

BICSI Event ID:

10

OV-BELD-IN-0320-1

CERTIFICATE OF COMPLETION

WESCO & Communications Supply Corporation (CSC) recognizes

John Horger

for completing the

40GBASE-T: Strategies for a Simple Network Migration

on May 29, 2015

Approved By:





Adam Greenblatt WESCO Dir. of Datacom & Security Marketing

Beni ID: 0 V-LEVEWA-0515-1 BICSI ITS CBCs Awarded: 1

MASTER CONTRACT NO. 05620-12 – IT CABLING –CATEGORY 1 SERVICES AND INSTALLATION (Rev. 2021-06-18)







FLUKE

. networks

John Horger

is recognized for completing

Tier 1 Fiber Certification Best Practices

1 Continuing Education Credit

July 9, 2015

Instructor

1 BICSI CONTINUING EDUCATION CREDIT: BICSI CECS ARE ONLY ISSUED TO BICSI CREDENTIAL HOLDERS

Event ID: OV-CORN-NC-0715-1









The Telecommunications Industry Association

CERTIFICATE OF COMPLETION

Awarded to: John Horger

For Completing

Will the Fiber Work?

Awarded December 4, 2019

Approved by: Elizabeth Goldsmith, Training Administrator

BICSI ID: OV-TIA-VA-1119-21

CEC: ITS

Exhibit A

John Horger

Has Successfully Completed the ISE Magazine Webinar

Managing Interference and Fiber Network Availability in C-RAN



March 20, 2018

Webinar Presented by EXFO

Approved by: My Millary

ISE magazine, www.isemag.com

BICSI CONTINUING EDUCATION

1 BICSI CEC

Event ID: OV-ISE-IL-0218-1





Workshop:

Testing & Troubleshooting Enterprise and Data Center Copper and Fiber Cabling

Has been successfully completed by:

John Horger
Kent, WA Location
March 21st, 2017 Date
4 BICSI ITS CECS Awarded
Event ID: OV-FLUKE-WA-1015-1





Workshop:

Testing & Troubleshooting Enterprise and Data Center Copper and Fiber Cabling

Has been successfully completed by:

<u>John Horger</u>
<u>Kent, WA</u>
<u>Location</u>
<u>February 19th, 2020</u> Date
<u>4</u> BICSI ITS CECS Awarded
Event ID: OV-FLUKE-WA-1019-1



John Horger Has Successfully Completed the ISE Magazine Webinar **High-Density Cables for High Demand Networks**



FORMERLY OSD

September 27, 2017

Webinar Presented by AFL

ISE magazine, www.isemag.com

Bicsi CONTINUING EDUCATION

1 BICSI CEC

Event ID: OV-ISE-IL-0817-2



The Telecommunications Industry Association

CERTIFICATE OF COMPLETION

Awarded to: John Horger

For Completing

Interpreting Fiber Test Results & How to Identify Common Mistakes

Awarded December 5, 2017

Approved by: Elizabeth Goldsmith, Training Administrator

•BICSI ID: OV-TIA-VA-1117-1

•1 CEC: ITS





CERTIFICATE OF COMPLETION

Awarded to: John Horger

For Completing

Field Testing Single Mode Fiber to support 100Gig and Beyond

Awarded May 8, 2018

Approved by: Elizabeth Goldsmith, Training Administrator

BICSI ID: OV-TIA-VA-0418-1

1 CEC: ITS



John Horger

has successfully completed

Belden Cabling Systems Compliance Training (10 BICSI CECs)

Melissa Knapp

Melissa Knapp Enterprise Training Manager



Note: This attestation does not authorize the technician or the technicians company, to i) offer Certified Systems, ii) perform maintenance or MAC activities on existing Certified Systems unless directly supervised by a Certified Partner/Alliance Installer, or iii) represent themselves in any way as a Belden Certified Partner/Alliance Installer

Course Completed on:

Total CECS:

4/1/21

BICSI Event ID:

10

OV-BELD-IN-0320-1 © 2019 Belden Credit Diploma_BICSI version



Hubbell Premise Wiring

Division of HUBBELL INCORPORATED (Delaware)

John Horger
of
CTS
completed
Hubbell Premise Wiring's

Installation Best Practices

March 18, 2021



Michael R. O'Connor, RCDD/NTS, CSI
Senior Director – Premise Business Unit



Event ID OV-HUBB-CT-0920-1 2 - BICSI CECs



Certificate of Accomplishment

Awarded to

John Horger

in recognition of satisfactory completion of

Supplement Manager Training

July 29, 2020

THE PROFESSIONAL DESIGNATION OF

OUTSIDE PLANT DESIGNER

OUTSIDE PLANT DESIGNER

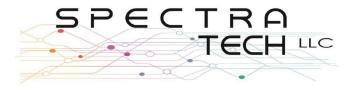
IS AWARDED TO

John R. Horger

by BICSI in recognition of having successfully completed BICSI's registration and examination requirements.

Designation Number: 248460 Registration Start Date: 01/01/2020





John W. Matthews III

Has successfully completed the

Certified Fiber Optic Technician Training Course

Presented by Spectra Tech LLC. To qualify as a

Certified Fiber Optic Technician - CFOT



Date: Sept,26 2016 FOA Certificate: 237-0901

This course has been approved for _22_ BICSI CECs

Al Perri CFOS/Instructor https://info.flukenetworks.com/NA_MKT_20_DCI_EVENT_VersivWorkshop_0219_KenftWA_UpdatedBICSICertification.html



7/16/2021



Workshop:

Testing & Troubleshooting Enterprise and Data Center Copper and Fiber Cabling

Has been successfully completed by:

Evan Horger
Kent, WA
Location
February 19th, 2020
Date
4 BICSI ITS CECS Awarded
Event ID: OV-FLUKE-WA-1019-1

 $https://info.flukenetworks.com/NA_MKT_20_DCI_EVENT_VersiwVorkshop_0219_KenttWA_UpdatedBICSICertification.html (a) the properties of the$

21



IS AWARDED TO

Jack L. Borts

by BICSI in recognition of having successfully completed BICSI's registration and examination requirements.

Designation Number: 219168
Registration Start Date: 01/01/2020

Registration End Date: 12/31/2022

Chair, Registrations & Credentials Supervision Committee



Since 02/13/2010

Director of Credentialing

THE PROFESSIONAL DESIGNATION OF

REGISTERED COMMUNICATIONS

DISTRIBUTION DESIGNER®

IS AWARDED TO

John R. Horger

by BICSI in recognition of having successfully completed BICSI's registration and examination requirements.

Designation Number: 248460

Registration Start Date: 01/01/2020

Registration End Date: 12/31/2022

Chair, Registrations & Credentials Supervision Committee

B

BICS RCDD Since

02/25/2013

Director of Credentialing



206.686.2000

DES Account Manager

Escalation Table Elapsed Time Priority 1 Priority 2 Priority 3 1-Hour Customer Service/ Project Manager 4-Hour Project Manager 8 Hour DES Account Manager 24-Hour General Manager Customer Service/ Project Manager 48-Hour Project Manager 72-Hour DES Account Manager Customer Service/ Project Manager

96-Hour

<u>Definitions</u>
<u>Priority 1</u>: The customer's production network is down, causing critical or significant impact to business operations. No work-around is available. CTS will immediately commit continuous resources to resolve the situation.

General Manager

Priority 2: Non-emergency situations that require an immediate/timely response. CTS will commit the proper resources to respond accordingly within 1 business days. Priority 3: Routine maintenance/repair requests such as Moves, Adds, Changes (MAC) CTS will commit the proper resources to respond accordingly within 3 business

Customers can receive technical support and report warranty issues by either contacting the assigned Project Manager directly via email or cell or by following the procedures below:

Customer Service

Phone # 206-686-2000 (8AM-5PM, M-F)

Project Manager:

See "Exhibit B1.4.1 Project Manager" for list of project managers.

Phone # 206-686-2000*

*ask to be routed to specific Project Manager for the project.

After hours dial "9" when prompted to leave a message in the Emergency mailbox. The message will then be emailed to the PM on call who will respond once notified.

DES Account Manager General Manager John Horger, RCDD, OSP Tim Kuraspediani DES Account Manager / Senior Project Manager General Manager Phone- # (360)-951-8124 Phone- # (253) 678-0499 Email- JohnH@cablects.com Email- Timk@cablects.com