

Infrastructure Delivery Cabling Scope Of Work

FBN# - NW22NL1001.PDX2

uuid - 1bf1b797-856a-49c4-90f9-c6290f8691de

Project Type - Network Scaling



INTRODUCTION

The Infrastructure Delivery (ID) team is requesting a quote to complete the work set forth herein. This scope of work (SOW) is entered into under the Agreement and Master Work Order between the Vendor and Amazon. Capitalized terms not defined in this SOW have the respective meanings set forth in the MSA or Master Work Order. Vendor will not commence Services before Amazon issues a purchase order with the applicable SOW, drawings and other relevant attachments. Purchase orders will be issued by email, or by any other means deemed appropriate by Amazon, in its sole discretion. If a purchase order is issued and the applicable SOW, drawings and other relevant are not referenced, Vendor will not commence Services and will immediately notify Amazon.

This SOW identifies requirements for the LEP Based work - Americas - [PDX2] - [PDQ2 Lab BND-BFC connectivity] - [NW22NL1001] project described in the Project Overview Section below. Vendor will use the information contained in this SOW in conjunction with any additional documents specified below for bidding and costing purposes.

BID INSTRUCTION

Quotes must be submitted using the provided BID template and account for all materials and labor required to complete the full scope of work. Vendor must submit a completed BID using the provided BID template by the BID Response Due Date in order to be considered for award of this project. BID should be submitted via email to the ID POC, ID POC Alternate and "ID-quote-admin@amazon.com".

POINTS OF CONTACT

AWS Project POC: havoc@amazon.com

AWS Secondary POC: ronsolo@amazon.com

AWS Team Alias: lab-pdx-tech@amazon.com

PROJECT RISK ASSESSMENT

PDX2, PDX2.POD20,PDX2.POD13,PDX2.MDF is a live production environment and great care should be taken when working in any Network room or pod to ensure the safe completion of the Services in accordance with the this Scope of Work.

Cabling installation requires an active Modeled Change Management (CM) coverage or black-day approval, if applicable. Vendor will coordinate dates and times with the Project POC. Vendor is required to check in and check out with the DCEO lead/building manager each day in order to start, pause, or close the MCM.

Vendor is required to ensure all cables are left hanging near the port for the live devices. Vendor will refer to the cutsheet to verify if the cabling should be run down the left or right side of a rack, depending on the port it is plugging into, and leave a small service loop of extra cabling to assist in troubleshooting and cable management.

Note: This SOW is Amazon Confidential Information subject to the Nondisclosure Agreement between the parties and shall not be disclosed, in whole or in part, to any third parties without Amazon's advance written consent.

In the case of operational impact during cable installation, the following actions will be taken:

- All work will be halted immediately.
- The area will be vacated immediately by all non-blue badge personnel assuming the environment is left in a safe state.
- The Vendor will immediately notify Infrastructure Delivery and DCO personnel.
- The Vendor will wait for further instructions from AWS personnel before work can be resumed.

It is the Vendor's responsibility to ensure proper procedures and safety requirements are adhered to by all Vendor company employees. For more information on safety procedures, please refer to the Data Center Safety Management Policy.

GENERAL REQUIREMENTS

Prior to installation, the cable trays should be reviewed to ensure sufficient capacity exists to run cabling or if new trays should be installed. Cabling should be run in diverse paths (A and B paths to be determined during walkthrough) whenever possible. New trunks should be installed if necessary to obtain the most cost effective and diverse shortest path. The Vendor is responsible for physical installation of tray liners, clip-in wire basket tray dividers, fiber down-spouts and any other accessories. All networking positions require the addition of down-spouts. Rack locations are specified in this Scope of Work. If materials are shipped to an Amazon facility, the Vendor must have personnel on site at the time of materials delivery to verify and accept the materials.

****Note:** Per Master Services Agreement, no materials should be ordered and no Vendor work can be performed before a Purchase Order is issued for the project.*

PROJECT OVERVIEW / ACTIVITY DETAILS

Project Overview Template

Project Name:

LEP Based work - Americas - [PDX2] - [PDQ2 Lab BND-BFC connectivity] - [NW22NL1001.PDX2]

Project Description:

This project is pre-stage cables as part of a PDQ2 Lab redesign.

Materials Needed:

x12 - MPO<>4LC Breakouts PN: XX1A0008R6D15-XXXM

x4 - 8F LC/LC Breakouts PN: XX1A0008X0D07-XXXM

x8 - 2F LC/LC Jumpers PN: XX1A0002R0D02-XXXM

Labor Needed:

Install x1 – 72Port 144Fiber Singlemode V-Panel (This Is being Provided)

Cutsheets:

Note: This SOW is Amazon Confidential Information subject to the Nondisclosure Agreement between the parties and shall not be disclosed, in whole or in part, to any third parties without Amazon's advance written consent.

BND-BFC-Cutsheet.V2

Project Overview Template

Project Name:

LEP Based work - Americas - [PDX2] - [PDQ2 Lab BND-BFC connectivity] - [NW22NL1001.PDX2]

Project Description:

This project is pre-stage cables as part of a PDQ2 Lab redesign.

Materials Needed:

x12 - MPO<>4LC Breakouts PN: XX1A0008R6D15-XXXM

x4 - 8F LC/LC Breakouts PN: XX1A0008X0D07-XXXM

x8 - 2F LC/LC Jumpers PN: XX1A0002R0D02-XXXM

Labor Needed:

Install x1 – 72Port 144Fiber Singlemode V-Panel at PDX2.POD20.9408 RU40 (This Is being Provided)

Cutsheets:

BND-BFC-Cutsheet.V2

Cabling and Materials Breakdown:

Client

"PIC_BND-BFC-cutsheet" Tab:

x8 – MPO<>4LC breakouts in-rack at PDX2.POD20.9408 to back of patch panel PDX2.POD20.9408 ru40

Path A LIU

PDX2.POD13.5326 ru28-33 <> PDX2.POD20.9620 ru16-21

x2 – MPO<>4LC breakouts from PDX2.POD13.4718 <> PDX2.POD13.5326

x2 – 8F LC/LC breakouts from PDX2.POD20.9620 <> PDX2.POD20.9408 ru40

Path B LIU

PDX2.POD13.5107 ru21-26 <> PDX2.POD20.9607 ru16-21

x2 – MPO<>4LC breakouts from PDX2.POD13.4718 <> PDX2.POD13.5107

x2 – 8F LC/LC breakouts from PDX2.POD20.9607 <> PDX2.POD20.9408 ru40

"PIC_VC_XLC-LNC" Tab:

LIU:

PDX2.POD13.5110 ru41-45 <> PDX2.MDF.101 ru15-18

x4 - 2F LC/LC jumpers from PDX2.POD13.4718 <> PDX2.POD13.5110

x2 - 2F LC/LC jumpers from PDX2.MDF.101 <> PDX2.MDF.513

x2 - 2F LC/LC jumpers from PDX2.MDF.101 <> PDX2.MDF.512

Note: This SOW is Amazon Confidential Information subject to the Nondisclosure Agreement between the parties and shall not be disclosed, in whole or in part, to any third parties without Amazon's advance written consent.

Cabling

4 racks are located at PDX2.MDF, PDX2.POD13, PDX2.POD20. Rack locations are listed at the end of this Scope of Work along with console/management cabling, if required.

Sim Ticket Number:

<https://issues.amazon.com/ID-PDX-15238>

Cabling Priority:

Fiber

BND-BFC

LNC-XLC

Racks/Devices which are Not Live and cabling should be patched into optics/ports

All Racks/Devices listed as NOT LIVE or EXISTING/NOT EXISTING under HARDWARE AND RACK LOCATIONS

Racks/Devices which are Live and cabling should not be patched into optics/ports

All Racks/Devices listed as NOT LIVE or EXISTING/NOT EXISTING under HARDWARE AND RACK LOCATIONS

Meta Data on Corresponding Cutsheet:

Cut Sheet Name: BND-BFC-Cutsheet

Cut Sheet Date: 2022-04-06

Cut Sheet Version: 2

Specific cabling standards are set forth in the current Cabling Standards Document. Those standards must be followed and the Vendor must promptly notify the Project POC of any deviations. If these requirements are not met, the Vendor will provide remediation at no cost to Amazon.

Current Cabling Standards Document:

[Global Data Center Cabling Specifications & Requirements V1.0](#)

[Global Inside Plant Cabling Guidelines](#)

-

Labeling:

Labels are used to identify ports, patch panel connections, pathways, and physical locations within Amazon sites. Vendor will provide labeling per the Cabling Standards Document.

Fiber Optic Testing:

Vendor will test cables and provide test results in accordance with the current Cabling Standards Document.

Spares:

Vendor will procure additional quantities of cables per the current Cabling Standards Document or as directed during the walkthrough. Once the project is complete, excess Buyer and/or Vendor Furnished materials and spares not consumed during cabling services must be delivered to the Project POC identified in this Scope of Work.

Note: This SOW is Amazon Confidential Information subject to the Nondisclosure Agreement between the parties and shall not be disclosed, in whole or in part, to any third parties without Amazon's advance written consent.

PROJECT SCHEDULE

*All dates are tentative and subject to change at Amazon's discretion. A supplemental RFQ/RFP may be necessary to cover any changes to this Scope of Work.

1. Walk through: 2022-03-08 09:00
2. Bid Submit Deadline: 2022-03-10 15:00
3. Estimated Purchase Order: 2022-03-18
4. Start Date of Services: 2022-03-28
5. Vendor Cabling Completion(*Substantial Completion Date*): 2022-04-15
6. Vendor Completion Walk through: 2022-04-18

[Job completion survey for AWS vendor](#)

[Job completion survey for AWS employee](#)

HARDWARE AND RACK LOCATIONS

LAB

pdq2-2-ly-inc-r1/2 | PDX2.POD13.4718 | Live | In Scope

pdq2-2-qa-bnd-r1/2 | PDX2.POD13.4718 | Live | In Scope

Prod

pdx2-vc-xlc-r201 | PDX2.MDF.513 | Live | In Scope

pdx2-vc-xlc-r101 | PDX2.MDF.512 | Live | In Scope

pdx2-2-ws-c1-b5 | PDX2.POD20.9408 | Live | In Scope

LIU

PDX2.POD13.5326 ru28-33 <> PDX2.POD20.9620 ru16-21 | Existing | In Scope

PDX2.POD13.5107 ru21-26 <> PDX2.POD20.9607 ru16-21 | Existing | In Scope

PDX2.POD13.5110 ru41-45 <> PDX2.MDF.101 ru15-18 | Existing | In Scope

CONSOLE / OOB-CON / MANAGEMENT

N/A

REVISION HISTORY

Action	Time Stamp	Email Alias	Justification
Submit	2022-03-04 19:54:09	pdemaro	
Revise	2022-03-07 20:10:44	joshtyre	Other Scope Change

Note: This SOW is Amazon Confidential Information subject to the Nondisclosure Agreement between the parties and shall not be disclosed, in whole or in part, to any third parties without Amazon's advance written consent.

Submit	2022-03-09 16:47:07	havoc	
Revise	2022-04-07 20:02:58	havoc	Cut Sheet Change
Submit	2022-04-07 21:07:28	havoc	