Letter of Authorization / Connecting Facility Assignment (LOA/CFA) Guide

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1 Introduction

The purpose of this guide is to provide direction as it relates to Cyxtera’s requirement of a Letter of Authorization / Connecting Facility Assignment (“LOA/CFA”) for some interconnection products.

1.1 Definition of LOA and CFA

Letter of Authorization (“LOA”) is a term used to describe an official letter that provides written authorization to connect to other parties within a Data Center and includes information about where a circuit should be terminated to a telecommunications carrier or other Z-end parties interconnection environment.

The connecting information provided on the LOA is commonly referred to as Connecting Facility Assignment (“CFA”). The CFA is also sometimes referred to as Carrier, Customer or Circuit Facility Assignment. The CFA includes specific information on the location where Cyxtera (or the non-Cyxtera facility operator, when applicable) is to terminate a connection on the non-ordering (Z-end) customer’s or telecommunication carrier’s panel or demarcation point (“DMARC”).

1.2 Cyxtera Interconnection Policy

Cyxtera operates two primary locations for interconnection. The Cyxtera Meet Me Room (“MMR”) and the Cyxtera Telco Room (“CTR”). The MMR is the primary interconnection point for customers connecting to each other within the Cyxtera facility. The CTR provides the primary location for interconnecting to Local Exchange POTS line services, however the LEC may choose to extend POTS lines to the Cyxtera MMR for interconnection with data center ecosystem members.

1.2.1 Acceptable Demarcation Points

All connections between ecosystem members within a Cyxtera data center (whether an enterprise, carrier or other service provider) must occur in the Cyxtera MMR unless otherwise noted in the product description for the particular product. Acceptable connection points for all cross connections occurring in the Cyxtera MMR are to Ecosystem Connect for both the A-end (the ordering customer) and Z-end sides of the cross connect. All LOA/CFAs provided in the Cyxtera MMR should define the Cyxtera Ecosystem Connect ID and port to be used for the connection. Any LOA/CFA defining the termination point as a customer cage/rack or cabinet will not be accepted.

POTS Cross Connects may terminate to either a Telco Block (66 Block, 110 Block) in the Cyxtera MMR, CTR or to an Ecosystem Connect bundle. In all cases, a LOA/CFA is required noting the phone number of the POTS line and any additional information regarding the demarcation point as provided by the LEC.

For connections terminating to locations outside the Cyxtera Data Center, the LOA/CFA should indicate the exact handoff location or demarcation point where the circuit is located within non-
Cyxtera location. Cyxtera will order the cross connect from Cyxtera’s termination point in the non-Cyxtera Data Center to the Z-end customer based on the provided LOA/CFA.

1.2.2 Customers providing LOA/CFA to Cyxtera

Customers must supply LOA/CFA at the time of ordering any product that requires LOA/CFA. Cyxtera will not install any interconnection product that requires LOA/CFA without a properly completed LOA/CFA. This policy is non-negotiable. Cyxtera has no legal authority to interact with another party's (Z-end) equipment or network, without their express written permission provided by the LOA/CFA document. As such, Cyxtera will place orders on hold until the customer can obtain and provide the proper documentation for the order to proceed.

If LOA/CFA is not supplied within a reasonable amount of time, the order may be subject to cancellation. Please work with the Implementation Specialist assigned to the order to avoid order cancellation. The Implementation Specialist will be able to assist with questions or coordination if you are having difficulty obtaining LOA/CFA or have questions regarding the elements required to be defined on the LOA/CFA.

1.2.3 Cyxtera providing LOA/CFA to Customers

Cyxtera does not provide LOA/CFA to customers as Cyxtera is responsible, in all cases, for the termination to all Z-end demarcation points as outlined in the products descriptions for products providing connections to Z-end parties.

2 Products requiring LOA/CFA

The following Cyxtera products require LOA/CFA:

- Cross Connect (Fiber, Copper, COAX, FE Equidistant)
- Extended Connect
- Riser Connect
- Metro Connect Dark Fiber (when connecting to a party other than the order originator)
- Metro Connect Dedicated (when connecting to a party other than the order originator and/or terminations within non-Cyxtera data center location)
- Express Entrance - Fiber
3 LOA/CFA Requirements

3.1 Cross Connects to a Telecommunications Carrier within the Cyxtera Data Center

Customers ordering a cross connect to a telecommunications carrier should provide LOA/CFA meeting the following criteria:

- It must be issued on that carrier's official company letterhead.
- It must be signed by the carrier's provisioner or another authorized signatory.
- If applicable, the LOA/CFA must denote the Circuit ID or other identifying information with which the carrier has tagged the circuit for identification at the site.
- It must include specifications as to where the connection is to be terminated on the Z-end, including the associated Ecosystem Connect ID and port(s) if the connection is within the Cyxtera MMR, or the carrier's exact handoff location or DMARC that indicates where the circuit is located within the data center if the Z-end is not in the Cyxtera MMR.
- It must clearly denote the media type of the handoff to be extended.
- Note: Cyxtera will not accept any LOA/CFAs requesting us to leave cables “hanging” or “coiled”.

3.2 Cross Connects to Another Customer within the Cyxtera Data Center

Customers ordering a cross connect to another customer should provide LOA/CFA meeting the following criteria:

- It must be issued on the non-ordering customer’s (terminating party or Z-end) official company letterhead.
- It must be signed by a representative of the non-ordering customer.
- It must include specifications as to where the connection is to be terminated on the Z-end, including the associated Ecosystem Connect ID and port(s) if the connection is within a Cyxtera MMR, or the exact handoff location or DMARC that indicates where the circuit is located within the data center if the Z-end is not in the Cyxtera MMR.
- Note:
  - Customers may NOT specify a handoff to a customer owned device on either the A-end or Z-end.
  - Cyxtera will not accept any LOA/CFAs requesting us to leave cables “hanging” or “coiled”.

3.3 Connections Using Cyxtera Riser Connect

With respect to the Cyxtera Riser Connect product, which enables customer connections from a Cyxtera Data Center to a non-Cyxtera Data Center in the same multi-tenant building, Cyxtera orders the Z-end cross connect from the non-Cyxtera facility operator. LOA/CFA is required from the ordering customer which
provides authorization and the specific location where the non-Cyxtera facility operator is to terminate the connection. The LOA/CFA will be used by Cyxtera during the Z-end cross connect ordering process with the non-Cyxtera facility operator.

Customers ordering a connection to another customer via Riser Connect should provide LOA/CFA meeting the following criteria:

- It must be issued on the non-ordering customer’s (terminating party or Z-end) official company letterhead.
- It must be signed by a representative of the non-ordering customer.
- It must include specifications as to where the connection is to be terminated on the Z-end, including the exact handoff location or DMARC that indicates where the circuit is located within the data center if the Z-end is located in a non-Cyxtera location.
- Note:
  - Customers may NOT specify a handoff to a customer owned device on either the A-end or Z-end.
  - Cyxtera will not accept any LOA/CFAs requesting us to leave cables “hanging” or “coiled”.
  - At no time will Cyxtera issue LOA/CFA to a Cyxtera customer looking to purchase a Z-end connection on their own from the non-Cyxtera facility operator.

### 3.4 Connections Using Cyxtera Metro Connect

#### 3.4.1 Metro Connect Dedicated

Metro Connect Dedicated provides connection to other Cyxtera Data Centers in a metropolitan region or in some cases, a non-Cyxtera building over the Cyxtera optical backbone network. Customers may order Metro Connect Dedicated to a Z-end party with appropriate LOA/CFA meeting the following criteria:

- It must be issued on the non-ordering customer’s (terminating party or Z-end) official company letterhead.
- It must be signed by a representative of the non-ordering customer.
- It must include specifications as to where the connection is to be terminated on the Z-end, including the exact handoff location or DMARC that indicates where the circuit is located within the data center if the Z-end is located in a non-Cyxtera location.
- Note:
  - Customers may NOT specify a handoff to a customer owned device on either the A-end or Z-end.
  - Cyxtera will not accept any LOA/CFAs requesting us to leave cables “hanging” or “coiled”.
  - At no time will Cyxtera issue LOA/CFA to a Cyxtera customer looking to purchase a Z-end connection on their own from the non-Cyxtera facility operator.
• Customers ordering Metro Connect Dedicated between two same customer termination points within two Cyxtera data centers in the same metropolitan region may provide termination points on either side during the ordering process and are not required to provide LOA/CFA when ordering to themselves.

3.4.2 Metro Connect Dark Fiber

Metro Connect Dark Fiber provides connection to other Cyxtera Data Centers in a metropolitan region or in some cases, a non-Cyxtera building over dark fiber network owned and operated by Cyxtera. Customers may order Metro Connect Dark Fiber to a Z-end party with appropriate LOA/CFA meeting the following criteria:

• It must be issued on the non-ordering customer’s (terminating party or Z-end) official company letterhead.
• It must be signed by a representative of the non-ordering customer.
• It must include specifications as to where the connection is to be terminated on the Z-end, including the exact handoff location or DMARC that indicates where the circuit is located within the data center if the Z-end is located in a non-Cyxtera location.

• Note:
  • Customers may NOT specify a handoff to a customer owned device on either the A-end or Z-end.
  • Cyxtera will not accept any LOA/CFAs requesting us to leave cables “hanging” or “coiled”.
  • At no time will Cyxtera issue LOA/CFA to a Cyxtera customer looking to purchase a Z-end connection on their own from the non-Cyxtera facility operator.

Customers ordering Metro Connect Dark Fiber between two same customer termination points within two Cyxtera data centers in the same metropolitan region may provide termination points on either side during the ordering process and are not required to provide LOA/CFA when ordering to themselves.

3.5 Connections Using Cyxtera Express Entrance Fiber

Express Entrance Fiber provides access to single-mode fiber network owned by Cyxtera between a Cyxtera and non-Cyxtera provider location. Customers ordering Express Entrance Fiber must provide Cyxtera with LOA/CFA defining the location of the termination point within the non-Cyxtera location for purposes of connecting between the Cyxtera fiber network and the customers location in the non-Cyxtera location and must meet the following criteria:

• It must be issued on the ordering customer’s official company letterhead.
• It must be signed by a representative of the ordering customer.
• It must include specifications as to where the connection is to be terminated on the A-end (non-Cyxtera location), including the exact handoff location or DMARC that indicates where the circuit is located within the A-end location.

• Note:
  • Customers may NOT specify a handoff to a customer owned device on either the A-end or Z-end.
  • Cyxtera will not accept any LOA/CFAs requesting us to leave cables “hanging” or “coiled”.
  • At no time will Cyxtera issue LOA/CFA to a Cyxtera customer looking to purchase a Z-end connection on their own from the non-Cyxtera facility operator.

4 Appendix

Included below are links to additional documentation for products that involve LOA/CFA:

• Ecosystem Connect Service Description
• Cross Connect Service Description
• Extended Connect Service Description
• Riser Connect Service Description
• Metro Connect Service Description
• Express Entrance Service Description