E-Path Tier Rate Structure Primary & Standby UNI/EVC Combo, Failover & Secondary Stand Alone EVC

Frontier Wholesale

Jurisdiction: All
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Contents

Overview

The purpose of this document is to provide ordering guidance for ordering an E-Path Primary Combo and a Failover Stand Alone EVC or Secondary Stand Alone EVC.

PRIMARY COMBO (UNI and EVC):

- o PNUM on the order must begin with EPAV and will be the standard TIER PNUM
- o The FOC must be returned on the Primary Combo order prior to submitting the Failover or Secondary Stand Alone EVC:
    1. The Failover Stand Alone EVC ASR shall be submitted utilizing the UNI circuit ID returned on the Combo FOC.
    2. The Secondary Stand Alone EVC ASR shall be submitted utilizing the UNI circuit ID returned on the Combo FOC.

FAILOVER STAND ALONE EVC:

- o PNUM must begin with EPAV and positions 17, 18 must equal PF.
- o EVC must utilize a separate NNI from the Primary EVC.
    1. The UNI circuit ID will be placed in the RUID field of UREF1 on the Stand Alone EVC.
    2. The NNI *(different from the primary combo)* will be placed in the RUID field of UREF2.
- o The DDD on the Failover Stand Alone EVC can match the UNI but must have at least a 6-business day interval.

SECONDARY STAND ALONE EVC:

- o PNUM must begin with EPAV and positions 17, 18 must equal PS.
- o EVC must utilize the same NNI from the Primary Combo order.
    1. The UNI circuit ID will be placed in the RUID field of UREF1 on the Stand Alone EVC.
    2. The NNI *(same from the primary combo)* will be placed in the RUID field of UREF2.
  - o The DDD on the Failover Stand Alone EVC can match the UNI but must have at least a 6-business day interval.

STANDBY COMBO (UNI and EVC):

- o PNUM must begin with EPAV and positions 17, 18 must equal SB
- o ASR SPEC = EPATHU
- o EVC SPEC = EPATHSB

Adding a Secondary or Failover to an existing UNI

In order for a UNI to be eligible for a Secondary or Failover EVC the UNI must be VLAN based. The 3rd position of the NC code defines if the UNI is Port based or VLAN based.

UNI Circuit NC Code 3rd Position	
VLAN Based	E, F, or H Example: KRE1, KQE1, KSE- or SNH1
PORT Based	A, B, or L Example: KQA0, KRA0 or KSA-

If the existing UNI/EVC is Port Based, then an ACT of C for the UNI and EVC must be issued before a Secondary or Failover can be ordered.
- Issue an ACT C for the UNI and change the NC code 3rd position.
- For example, if UNI was ordered with KRA0 the change order will be KRE0. Be sure to verify NC code to speed utilizing the Decoder Tool on Frontier's external website.

Issue an ACT C for EVC and change the EVC NCI to one of the following codes:

TAGGED NCI P-bit	TAGGED NCI CE_VLAN MAP	TAGGED NCI S_VLAN MAP
02VLN.VP	**02VLN.V**	**02VLN.VST**
Compatible with Tagged (Service Multiplexed) UNI Circuits. CE-VLAN + PBIT MAP This EVC/OVC accepts only tagged frames with a specific CE-VLAN ID and ALSO supports multiple classes of service distinguished via Pbit. Also known as P-Bit Preservation. Multiple Classes of Service will be supported in a future product release. Currently this code only supports P-Bit Preservation	Compatible with Tagged (Service Multiplexed) UNI Circuits. CE_VLAN MAP This EVC/OVC accepts only tagged frames with a specific CE-VLAN ID	Compatible with Tagged (Service Multiplexed) NNI Circuits. S_VLAN MAP This OVC accepts only tagged frames with a specific S-VLAN ID within an S-Tag. The S-Tag may be stacked on a C-Tag (see 802.1ad for info on tag stacking) or it may be the sole tag on the frames at the ENNI.

NOTE: Once the UNI and EVC orders have been issued, you can now issue the Secondary or Failover EVC.

Diagram E-Path Failover EVC

- Low-cost way to add resilience to existing or new E-Path services.
- Better support your SLA with your customers
- Fully leverage the "magic" of SD-WAN for prioritizing and routing critical applications during primary path congestion or failure.
- Layer 2 logical diversity across the Frontier backbone and physical diversity at the NNI

"Add a Failover EVC to any existing E-Path TIER end user or Integrate this extra value to make Frontier-enabled new solutions standout."

Diagram E-Path Secondary EVC

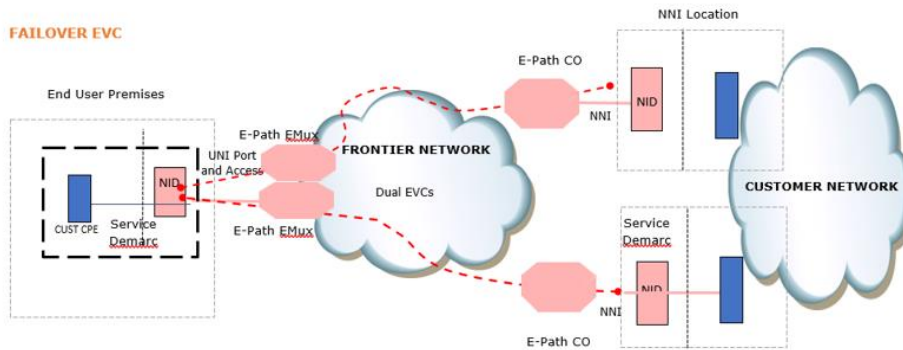- Add a second EVC to any E-Path service.
- Full use of EVC that can also be ordered to a diverse NNI from the primary EVC.
- Layer 2 logical separation of end user traffic (ex. Guest Wi-Fi not comingled with end user corporate data)
- Additional support for your customers' security audit, or other needs.
- Add a low-speed Operation, Administration & Management (OAM) EVC to reach your NID during an outage
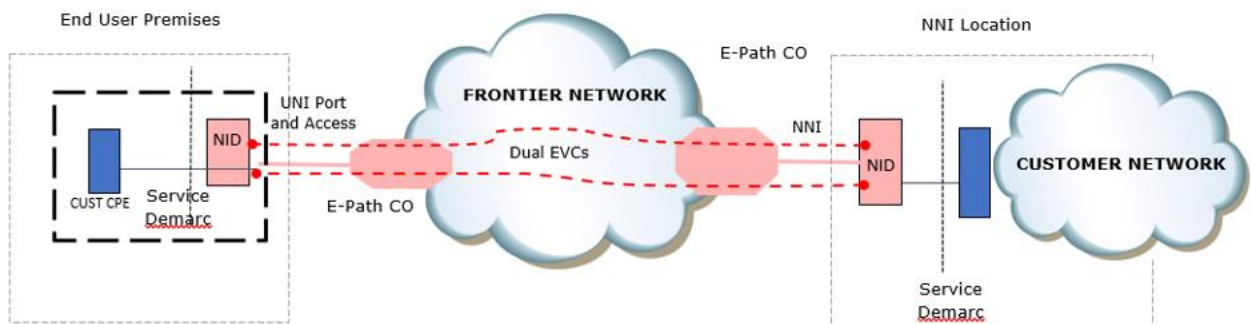
Diagram E-Path Standby EVC

- Add a Carrier-diverse Frontier E-Path UNI & EVC to your end user locations served by another access provider.
- Failover path ready to use when you need it.
- Create a bullet-proof solution to back up your competitive SLA.
- Fully leverage the "magic" of SD-WAN for prioritizing and routing critical applications during primary path congestion or failure.

The Stand Alone EVC will require one of the following EVC SPEC Codes and match the Level of Service from the Combo order.
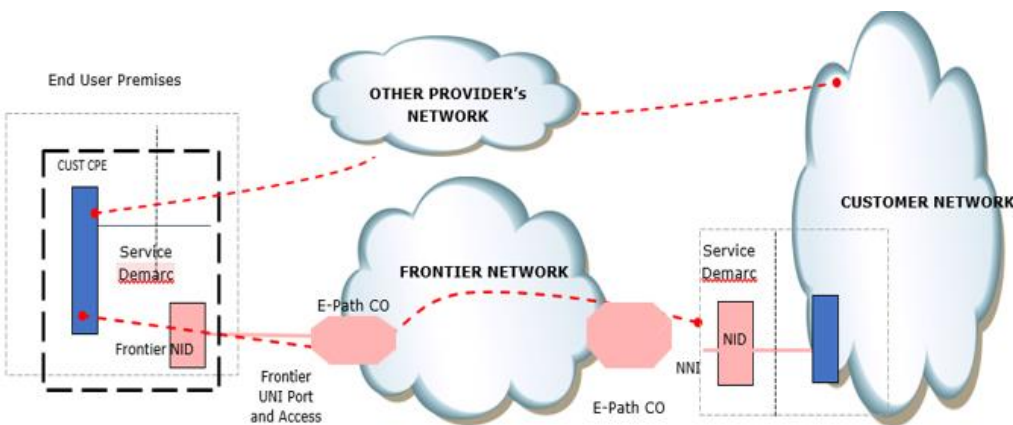
SPEC Codes

Primary/Failover/Secondary

COMBO Primary UNI	COMBO Primary EVC	Failover Stand Alone EVC	Secondary Stand Alone EVC
EPATHU	EPATHES – Silver EPATHEG – Gold EPATHEP – Platinum	EPATHSS – Silver EPATHSG – Gold EPATHSP – Platinum	EPATHAS – Silver EPATHAG – Gold EPATHAP – Platinum

Standby – Level of Service is Silver only

COMBO Primary UNI	COMBO Standby EVC
EPATHU	EPATHSB – Silver

NC/NCI/SECNCI Codes

NOTE: Speeds for STANDBY are 1G/100M & 1G/500M only

VLAN Based UNI Codes Tagged (Service Multiplexing (2 EVC's per UNI)

SPEED	NC	NCI	SECNCI	Hand Off	EVC NCI – Must be VLAN Based
100M/5M	KQEJ	04LN9.1CT	04CX9.1CT	Electrical	
100M/10M	KQE1				
100M/20M	KQE2				
100M/50M	KQE5				
100M/100M	KQE–				
1G/5M	KRFA	08LN9.1GE	08CX9.1GE		02VLN.V – CE_VLAN MAP
1G/10M	KRFB				
1G/20M	KRFD				02VLN.VP – CE–VLAN + PBIT MAP (When using VP, both RUIDS must use VP)
1G/50M	KRFJ				
1G/100M	KRE1				
1G/200M	KRE2				
1G/500M	KRE5				02VLN.VST – S_VLAN MAP
1G	KRE0				
SPEED	**NC**	**NCI**	**SECNCI**	**Hand Off**	
1G/5M	KRFA	02LNF.A02 02LNF.A03 02LNF.A04	02CXF.1GE	Fiber	
1G/10M	KRFB				
1G/20M	KRFD				
1G/50M	KRFJ				
1G/100M	KRE1				
1G/200M	KRE2				
1G/500M	KRE5				
1G	KRE0				

VFO Service TYPES

Creating a new PON in VFO

For a COMBO order – Select End User Switched Ethernet EVC

For a Failover or Secondary Stand Alone EVC – Select the Stand Alone EVC from the drop down

COMBO UNI and Primary EVC Fields

ASR FORM ADMINISTRATIVE			
FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
CUSTOMER CODE	Customers CCNA	Customer Carrier Name Abbreviation	N – Required
DDD	10 Business Days	Desired Due Date	N – Required
PROJECT	Customer generated	Identifies the project with which the request is to be associated	N – Optional
REQTYP	ED = End User	Identifies the type of service being requested	N – Required
ACT	N	Identifies the activity involved in this service request	N – Required
QSA	01	Identifies the total number of Service Address Location Information Forms being sent by the customer	N – Required
EVCI	B	Ethernet Virtual Connection Identifier	N – Required
SEI	Y	Switched Ethernet Indicator	N – Required
RTR	F – Send FOC only S – Send FOC and DLR; CDLRD waived N – No response required	Identifies the type of confirmation response requested by the customer	N – Required
EXP	Populated if Expedite is requested	Indicates that expedited treatment is requested and any charges generated in provisioning this request	N – Optional
UNIT	C	C = Number of lines	N – Required
PIU	100	Percentage of Interstate Usage	N – Required
QTY	1	Identifies the quantity of circuits	N – Required
BAN	E, N or Fully Populated BAN	Identifies the billing account to which the recurring and non–recurring charges for this request will be billed	N – Required
ACTL	Prohibited	Identifies the CLLI Code of the customer facility terminal location	N – Prohibited
TSP	Example: TSP12345C–E1	Indicates the provisioning and restoration priority	N – Optional
SPEC	EPATHU	Identifies E–Path product or service offering	N – Required
ASR_REMARKS	Customer Populated	Identifies a free flowing field, which can be used to expand upon and clarify other data on this form	N– Optional

BILLING			
FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
BILLNM – Billing Name	Example: XYZ Corp.	Identifies the name of the person, office, or company to whom the customer has designated that the bill be sent	N – Optional N – Required when BAN field equals N
ACNA	Access Customer Name Abbreviation	Identifies the COMMON LANGUAGE IAC code for the customer who should receive the bill for the ordered service	N – Required
TE	Example: A = F & S B = F & C	Indicates that the customer has submitted a tax exemption form to the provider	N – Optional N – Required when BAN field equals N
FUSF	Example: E = Exempt Federal Universal Service Fee	Federal Universal Service Fee Indicates the service being ordered on this request should be either assessed or exempted from the Federal Universal Service Fee	N – Required
BILL_STR	Example: 2555 Elton St.	Identifies the street of the billing address associated with the billing name	N – Optional N – Required when BAN field equals N
BILL_CITY	Example: Tampa	Identifies the city, village, township, etc. of the billing address associated with the billing name	N – Optional N – Required when BAN field equals N
BILL_STATE	Example: FL	Identifies the two character postal code for the state/province of the billing address associated with the billing name	N – Optional N – Required when BAN field equals N
BILL_ZIP	Example: 33709	Identifies the ZIP code or postal code of the billing address associated with the billing name	N – Optional N – Required when BAN field equals N
BILL CON	Example: Jon Doe	Identifies the name of the person or office to be contacted on billing matters	N – Optional N – Required when BAN field equals N
BILL CON TEL NO	Example: 8135556597	Identifies the telephone number of the billing contact	N – Optional N – Required when BAN field equals N
VTA	12, 24, 36 or 60	Identifies the duration, identifying USOC, contract date or contract identification number of any variable term agreement that may be offered	N – Required
VTAI	A	A = New Variable Term Agreement	N – Required
PNUM	Positions 1 to 4 must be EPAV and will be the standard TIER contract	Identifies the contract tariff option for a pricing promotion plan	N – Required

CONTACT			
FIELD	**ENTRY**	**FIELD DESCRIPTION**	**ASR Activity Type**
INIT	Example: Jane Smith	Identifies the customer employee who originated the request	N – Required
INITIATOR TEL	Example: 9999999999	Identifies the telephone number of the customer employee who initiated the request	N – Required
INIT EMAIL	Example: Jane.Smith@abc.com	Identifies the electronic mail address of the initiator	N – Required
DSGCON	Example: Jane Smith	Identifies the employee of the customer or agent who should be contacted on design/ Engineering/translation issues and to whom the Design Layout Report may be sent. Required when RTR is F or S	N – Required
DSGCON TEL	Example: 9999999999	Telephone number of employee of the customer or agent who should be contacted on design/ engineering/translation issues and to whom the Design Layout Report may be sent	N – Required
IMPCON	Example: Jane Smith	Identifies the customer employee or office responsible for control of installation and completion	N – Required
IMPCON TEL	Example: 9999999999	Identifies the telephone number of the implementation contact	N – Required
SES FORM – SWITCHED ETHERNET SERVICES			
FIELD	**ENTRY**	**FIELD DESCRIPTION**	**ASR Activity Type**
NC	Refer to Chart on page 7 Or click on this link	Network Channel	N – Required
NCI	Refer to Chart on page 7 Or click on this link	Network Channel Interface	N – Required
SECNCI	Refer to Chart on page 7 Or click on this link	Secondary Network Channel Interface	N – Required
ESP	Ethernet Service Point. Customer is permitted to populate the ESP field with a preferred or recommended Switch CLLI or leave blank.	Identifies the Ethernet switching point, terminating equipment, or terminating location, in CLLI code format	N – Optional

SES FORM – SERVICE ADDRESS INFORMATION			
FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
PI	Y	Identifies that the service address location information being provided is a primary location	N – Required
EUNAME	End User's Name	Identifies the end user name associated with the termination location	N – Required
SAPR	Example: N, S, SE	Identifies the address number prefix	N – Optional
SANO	End User's Address	Identifies the number of the service address	N – Required
SASF	Example: E, N, SW	Identifies the address number suffix	N – Optional
SASD	Example: E = East N = North NE = North East	Identifies the street directional prefix	N – Optional
SASN	End User's Street Name	Identifies the street name of the service address	N – Required
SATH	Example: LN, ST, RD, AVE	Recommended abbreviations are contained in the United States Postal Service Publication 28, Postal Addressing Standards Street Suffix Abbreviations section	N – Optional when the SASN field is populated, otherwise prohibited
SASS	Example: E = East N = North NE = North East SW = South West	Identifies the street directional suffix of the service address	N – Optional when the SASN field is populated, otherwise prohibited
LD1	Example: FL RM BLDG	Identifies additional specific information related to the service address	N – Optional when the SASN field is populated, otherwise prohibited

SES FORM – SERVICE ADDRESS INFORMATION			
FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
LV1	Example: 12 1ST	Identifies the value associated with the first location designator of the service address	N – Optional when the LD1 field is populated, otherwise prohibited
LD2	Example: FL RM BLDG	Identifies additional specific information related to the service address	N – Optional when the SASN field is populated, otherwise prohibited
LV2	Example: 12 1ST	Identifies the value associated with the first location designator of the service address	N – Optional when the LD2 field is populated, otherwise prohibited
LD3	Example: FL RM BLDG	Identifies additional specific information related to the service address	N – Optional when the SASN field is populated, otherwise prohibited
LV3	Example: 12 1ST	Identifies the value associated with the first location designator of the service address	N – Optional when the LD3 field is populated, otherwise prohibited
CITY	End User's City	Identifies the city, village, township, etc. of the service address	N – Required
STATE	End User's State	Identifies the state/province of the service address	N – Required
ZIP	End User's ZIP Code	Identifies the ZIP code, ZIP code + extension or postal code of the service address	N – Required when the SASN field is populated, otherwise prohibited
JS	D	Indicates whether the access service is to terminate at a new or existing registered jack or demarc	N – Required
LCON	Name of Local Contact	Identifies the local contact name	N – Required
ACTEL	Telephone Number of LCON	Identifies the telephone number to be used for arranging access for installation	N – Required
LCON_EMAIL	Email of Local Contact	Identifies the email address of the Location Contact	N – Required

COMBO EVC FORM – Ethernet Virtual Connection

EVC FORM ETHERNET VIRTUAL CONNECTION			
FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
EVCNUM	Example: 0001	Ethernet Virtual Connection Reference Number	N – Required
NC	VLP–	Network Channel	N – Required
NUT	02	Number of UNI Terminations	N – Required
EVCCKR	Optional – customer format	Customer Ethernet Virtual Circuit Identifier	N – Optional
UREF – 01	01	User Network Interface [UNI] Reference Number	N – Required
AUNT	Value = A Always use the AUNT field in the UREF 01 Section	Associated UNI Termination	N – Required
NCI	02VLN.V 02VLN.VP 02VLN.VST	Network Channel Interface	N – Required
UACT	N	User Network Interface [UNI] Activity Indicator	N – Required
RUID 01	Prohibited on UREF – 01	Identifies the provider's related circuit ID for a UNI	N – Prohibited

EVC FORM – ETHERNET VIRTUAL CONNECTION LEVEL OF SERVICE MAPPING DETAIL			
FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
LREF – 01	Required	Level of Service Reference Number	N – Required
LOSACT	N	Identifies the activity for the level of service as part of the EVC configuration	N – Required
SPEC	EPATHES EPATHEG EPATHEP on page 3 to Chart on Page 7	Service and Product Enhancement Code	N – Required
BDW	Populate with speed Example: 50M	Identifies the bandwidth rate defined by the Level of Service.	N – Required
UREF – 02	02	User Network Interface [UNI] Reference Number	N– Required
NCI	02VLN.V 02VLN.VP 02VLN.VST	Network Channel Interface	N – Required
UACT	N	User Network Interface [UNI] Activity Indicator	N – Required
EVCSP	11 character CLLI Code	Ethernet Virtual Connection Switch Point	N – Required
RUID 02	Primary NNI Circuit ID	Identifies the provider's related Primary NNI circuit ID	N– Required
LREF – 01	Required	Level of Service Reference Number	N – Required
LOSACT	N	Identifies the activity for the level of service as part of the EVC configuration	N – Required
SPEC	EPATHES EPATHEG EPATHEP on page 3 to Chart on Page 7	Service and Product Enhancement Code	N – Required
BDW	Populate with speed Example: 50M	Identifies the bandwidth rate defined by the Level of Service.	N – Required

Failover – Stand Alone EVC ASR Fields

ASR Form		
Administrative		**ASR Activity**
ICSC	Frontier ICSC Code	N – Required C – Required
PON	Customer creates PON	N – Required C – Required
DDD	ACT = N = 6 Business Day Interval ACT = C = 6 Business Day Interval	N – Required C – Required
REQTYP	SD = End User	N – Required C – Required
ACT	N, C	N – Required C – Required
EXP	Populate if Expedite is requested	N – Optional C – Optional
RTR	F – Send FOC only S – Send FOC and DLR (Prohibited on ACT R) N – No response required	N – Required C – Required
UNIT	C	N – Required C – Required
PIU	100	N – Required C – Required
BAN	E, N or Fully Populated Current BAN	N – Required C – Required
QTY	1	N – Required C – Required
TSP	Example: TSP12345C–E1 **Required** for ACT C & R if existing on original Circuit	N – Optional C – Optional
ASC–EC		Prohibited

BILLING

FIELD	ENTRY	ASR Activity Type
ACNA	This field identifies the COMMON LANGUAGE IAC code for the customer who should receive the bill for the ordered service	N – Required C – Required
TE	Indicates that the customer has submitted a tax exemption form to the provider A = F & S B = F & C	N – Optional Required when BAN field equals N C – Required
FUSF	Example: E = Exempt Federal Universal Service Fee	N – Required C – Required
BILL_STR	Billing information when BAN field is populated with N	N – Optional Required when BAN field equals N C – Required
BILL_CITY	Billing information when BAN field is populated with N	N – Optional Required when BAN field equals N C – Required
VTA	MTM (Month to Month)	N – Required C – Required
VTAI	ACT N = A ACT C = C A = New Variable Term Agreement C = Retain existing Variable Term Agreement with no changes	N – Required C – Required
PNUM	Positions 1 to 4 must be EPAV and 17 & 18 must be PF	N – Required C – Required

EVC Form

EVC FORM ETHERNET VIRTUAL CONNECTION		ASR Activity
EVCNUM	Example: 0001	All Activity Required
NC	VLP–	N – Required C – Required
EVCID	Required on Activity C	N – Prohibited C – Required
NUT	02	N – Required C – Required
EVCCKR	Customer's internal circuit	N – Optional C – Required

EVC UNI Mapping UREF 01		ASR Activity
UREF	01	N – Required C – Required
UACT	N, C	N – Required C – Required
NCI	02VLN.V, 02VLN.VP, 02VLN.VST	N – Required C – Required
EVCSP	ESP 'Ethernet Switch CLLI, provided on FOC in the ESP field of UNI PON	N – Required C – Required
RUID 01	UNI circuit ID	N – Required C – Required
ETHERNET VIRTUAL CONNECTION LEVEL OF SERVICE MAPPING DETAIL **This section goes with UREF 01**		**ASR Activity**
LREF	Populate with 1	N – Required C – Required
LOSACT	Identifies the activity for the level of service as part of the EVC configuration Populate with N or C	N – Required C – Required
SPEC	EPATHSS – Silver EPATHSG – Gold EPATHSP – Platinum on page 3 to Chart on Page 7 While SPEC is different on the failover EVC, the level of service (Silver, Gold, or Platinum) must match between primary and failover EVC	N – Required C – Required
BDW	Populate with speed must match primary EVC Bandwidth Example: 50M	N – Required C – Required
EVC UNI Mapping UREF 02		**ASR Activity**
UREF	02	N – Required C – Required
UACT	N or C	N – Required C – Required
NCI	02VLN.V 02VLN.VP 02VLN.VST	N – Required C – Required
EVCSP	ESP 'Ethernet Switch CLLI, provided on FOC in the ESP field of UNI PON	N – Required C – Required
RUID 02	Failover NNI circuit ID (NNI on Failover should be different from the NNI placed on the primary combo order).	N – Required C – Required

ETHERNET VIRTUAL CONNECTION LEVEL OF SERVICE MAPPING DETAIL This section goes with UREF 02		ASR Activity
LREF	Populate with 1	N – Required C – Required
LOSACT	Identifies the activity for the level of service as part of the EVC configuration Populate with N or C	N – Required C – Required
SPEC	EPATHSS – Silver EPATHSG – Gold EPATHSP – Platinum on page 3 to Chart on Page 7 While SPEC is different on the failover EVC, the level of service (Silver, Gold, or Platinum) must match between primary and failover EVC	N – Required C – Required
BDW	Populate with speed Example: 50M Must match primary EVC bandwidth	N – Required C – Required

Secondary– Stand Alone EVC ASR Fields

ASR Form		
Administrative		**ASR Activity**
ICSC	Frontier ICSC Code	N – Required C – Required
PON	Customer creates PON	N – Required C – Required
DDD	ACT = N = 6 Business Day Interval ACT = C = 6 Business Day Interval	N – Required C – Required
REQTYP	SD = End User	N – Required C – Required
ACT	N, C	N – Required C – Required
EXP	Populate if Expedite is requested	N – Optional C – Optional
RTR	F – Send FOC only S – Send FOC and DLR (Prohibited on ACT R) N – No response required	N – Required C – Required
UNIT	C	N – Required C – Required
PIU	100	N – Required C – Required
BAN	E, N or Fully Populated Current BAN	N – Required C – Required
QTY	1	N – Required C - Required
TSP	Example: TSP12345C–E1 **Required** for ACT C & R if existing on original Circuit	N – Optional C - Optional
ASC–EC		Prohibited

BILLING		
FIELD	ENTRY	ASR Activity Type
ACNA	This field identifies the COMMON LANGUAGE IAC code for the customer who should receive the bill for the ordered service	N – Required C – Required
TE	Indicates that the customer has submitted a tax exemption form to the provider. A = F & S B = F & C	N – Optional Required when BAN field equals N C – Required
FUSF	Example: E = Exempt Federal Universal Service Fee	N – Required C – Required
BILL_STR	Billing information when BAN field is populated with N	N – Optional Required when BAN field equals N C – Required
BILL_CITY	Billing information when BAN field is populated with N	N – Optional Required when BAN field equals N C – Required
VTA	MTM (Month to Month)	N – Required C – Required
VTAI	ACT N = A ACT C = C A = New Variable Term Agreement C = Retain existing Variable Term Agreement with no changes	N – Required C – Required
PNUM	Positions 1 to 4 must be EPAV and positions 17 & 18 must be PS	N – Required C – Required

EVC Form		
EVC FORM ETHERNET VIRTUAL CONNECTION		**ASR Activity**
EVCNUM	Example: 0001	All Activity Required
NC	VLP–	N – Required C - Required
EVCID	Required on Activity C	N – Prohibited C - Required
NUT	02	N – Required C – Required
EVCCKR	Customer's internal circuit	N – Optional C – Required
EVC UNI Mapping UREF 01		**ASR Activity**
UREF	01	N – Required C - Required
UACT	N, C	N – Required C - Required
NCI	02VLN.V, 02VLN.VP, 02VLN.VST	N – Required C - Required
EVCSP	ESP 'Ethernet Switch CLLI, provided on FOC in the ESP field of UNI PON	N – Required C - Required
RUID 01	UNI circuit ID	N – Required C - Required
ETHERNET VIRTUAL CONNECTION LEVEL OF SERVICE MAPPING DETAIL **This section goes with UREF 01**		**ASR Activity**
LREF	Populate with 1	N – Required C – Required
LOSACT	Identifies the activity for the level of service as part of the EVC configuration. Populate with N or C	N – Required C – Required
SPEC	on page 3 to Chart on Page 7 While SPEC is different on the secondary EVC, the level of service (Silver, Gold, or Platinum) must match between primary and secondary EVC	N – Required C – Required
BDW	Populate with speed must match primary EVC Bandwidth Example: 50M	N – Required C – Required

EVC UNI Mapping UREF 02		ASR Activity
UREF	02	N – Required C – Required
UACT	N or C	N – Required C – Required
NCI	02VLN.V 02VLN.VP 02VLN.VST	N – Required C – Required
EVCSP	ESP 'Ethernet Switch CLLI, provided on FOC in the ESP field of UNI PON	N – Required C – Required
RUID 02	Secondary NNI circuit ID (NNI on Secondary should be the same from the NNI placed on the primary combo order).	N – Required C – Required
ETHERNET VIRTUAL CONNECTION LEVEL OF SERVICE MAPPING DETAIL **This section goes with UREF 02**		**ASR Activity**
LREF	Populate with 1	N – Required C – Required
LOSACT	Identifies the activity for the level of service as part of the EVC configuration. Populate with N or C	N – Required C – Required
SPEC	on page 3 to Chart on Page 7 While SPEC is different on the secondary EVC, the level of service (Silver, Gold, or Platinum) must match between primary and secondary EVC	N – Required C – Required
BDW	Populate with speed. Example: 50M Must match primary EVC bandwidth	N – Required C – Required

COMBO UNI & EVC Standby

ASR FORM ADMINISTRATIVE			
FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
CUSTOMER CODE	Customers CCNA	Customer Carrier Name Abbreviation	N – Required
DDD	10 Business Days	Desired Due Date	N – Required
PROJECT	Customer generated	Identifies the project with which the request is to be associated	N – Optional
REQTYP	ED = End User	Identifies the type of service being requested	N – Required
ACT	N	Identifies the activity involved in this service request	N – Required
QSA	01	Identifies the total number of Service Address Location Information Forms being sent by the customer	N – Required
EVCI	B	Ethernet Virtual Connection Identifier	N – Required
SEI	Y	Switched Ethernet Indicator	N – Required
RTR	F – Send FOC only S – Send FOC and DLR; CDLRD waived N – No response required	Identifies the type of confirmation response requested by the customer	N – Required
EXP	Populated if Expedite is requested	Indicates that expedited treatment is requested and any charges generated in provisioning this request	N – Optional
UNIT	C	C = Number of lines	N – Required
PIU	100	Percentage of Interstate Usage	N – Required
QTY	1	Identifies the quantity of circuits	N – Required
BAN	E, N or Fully Populated BAN	Identifies the billing account to which the recurring and non–recurring charges for this request will be billed	N – Required
ACTL	Prohibited	Identifies the CLLI Code of the customer facility terminal location	N – Prohibited
TSP	Example: TSP12345C–E1	Indicates the provisioning and restoration priority	N – Optional
SPEC	EPATHU	Identifies E–Path product or service offering	N – Required
ASR_REMARKS	Customer Populated	Identifies a free flowing field, which can be used to expand upon and clarify other data on this form	N– Optional

BILLING			
FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
BILLNM – Billing Name	Example: XYZ Corp.	Identifies the name of the person, office, or company to whom the customer has designated that the bill be sent	N – Optional N – Required when BAN field equals N
ACNA	Access Customer Name Abbreviation	Identifies the COMMON LANGUAGE IAC code for the customer who should receive the bill for the ordered service	N – Required
TE	Example: A = F & S B = F & C	Indicates that the customer has submitted a tax exemption form to the provider	N – Optional N – Required when BAN field equals N
FUSF	Example: E = Exempt Federal Universal Service Fee	Federal Universal Service Fee Indicates the service being ordered on this request should be either assessed or exempted from the Federal Universal Service Fee	N – Required
BILL_STR	Example: 2555 Elton St.	Identifies the street of the billing address associated with the billing name	N – Optional N – Required when BAN field equals N
BILL_CITY	Example: Tampa	Identifies the city, village, township, etc. of the billing address associated with the billing name	N – Optional N – Required when BAN field equals N
BILL_STATE	Example: FL	Identifies the two character postal code for the state/province of the billing address associated with the billing name	N – Optional N – Required when BAN field equals N
BILL_ZIP	Example: 33709	Identifies the ZIP code or postal code of the billing address associated with the billing name	N – Optional N – Required when BAN field equals N
BILL CON	Example: Jon Doe	Identifies the name of the person or office to be contacted on billing matters	N – Optional N – Required when BAN field equals N
BILL CON TEL NO	Example: 8135556597	Identifies the telephone number of the billing contact	N – Optional N – Required when BAN field equals N
VTA	Refer to your contract	Identifies the duration, identifying USOC, contract date or contract identification number of any variable term agreement that may be offered	N – Required
VTAI	A	A = New Variable Term Agreement	N – Required
PNUM	PNUM 17 & 18th Positions must be SB	Identifies the contract tariff option for a pricing promotion plan	N – Required

CONTACT			
FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
INIT	Example: Jane Smith	Identifies the customer employee who originated the request	N – Required
INITIATOR TEL	Example: 9999999999	Identifies the telephone number of the customer employee who initiated the request	N – Required
INIT EMAIL	Example: Jane.Smith@abc.com	Identifies the electronic mail address of the initiator	N – Required
DSGCON	Example: Jane Smith	Identifies the employee of the customer or agent who should be contacted on design/ Engineering/translation issues and to whom the Design Layout Report may be sent. Required when RTR is F or S	N – Required
DSGCON TEL	Example: 9999999999	Telephone number of employee of the customer or agent who should be contacted on design/ engineering/translation issues and to whom the Design Layout Report may be sent	N – Required
IMPCON	Example: Jane Smith	Identifies the customer employee or office responsible for control of installation and completion	N – Required
IMPCON TEL	Example: 9999999999	Identifies the telephone number of the implementation contact	N – Required
SES FORM – SWITCHED ETHERNET SERVICES			
FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
NC	KRE1 – 1G/100M KRA1 – 1G/100M or KRE5 1G/500M KRA5 1G/500M	Network Channel	N – Required
NCI/SECNCI	08LN9.1GE/08CX9.1GE 02LNF.A02/02CXF.1GE 02LNF.A03/02CXF.1GE 02LNF.A04/02CXF.1GE	Network Channel Interface	N – Required
ESP	Ethernet Service Point. Customer is permitted to populate the ESP field with a preferred or recommended Switch CLLI or leave blank.	Identifies the Ethernet switching point, terminating equipment, or terminating location, in CLLI code format	N – Optional

SES FORM – SERVICE ADDRESS INFORMATION

FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
PI	Y	Identifies that the service address location information being provided is a primary location	N – Required
EUNAME	End User's Name	Identifies the end user name associated with the termination location	N – Required
SAPR	Example: N, S, SE	Identifies the address number prefix	N – Optional
SANO	End User's Address	Identifies the number of the service address	N – Required
SASF	Example: E, N, SW	Identifies the address number suffix	N – Optional
SASD	Example: E = East N = North NE = North East	Identifies the street directional prefix	N – Optional
SASN	End User's Street Name	Identifies the street name of the service address	N – Required
SATH	Example: LN, ST, RD, AVE	Recommended abbreviations are contained in the United States Postal Service Publication 28, Postal Addressing Standards Street Suffix Abbreviations section	N – Optional when the SASN field is populated, otherwise prohibited
SASS	Example: E = East N = North NE = North East SW = South West	Identifies the street directional suffix of the service address	N – Optional when the SASN field is populated, otherwise prohibited
LD1	Example: FL RM BLDG	Identifies additional specific information related to the service address	N – Optional when the SASN field is populated, otherwise prohibited

SES FORM – SERVICE ADDRESS INFORMATION

FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
LV1	Example: 12 1ST	Identifies the value associated with the first location designator of the service address	N – Optional when the LD1 field is populated, otherwise prohibited
LD2	Example: FL RM BLDG	Identifies additional specific information related to the service address	N – Optional when the SASN field is populated, otherwise prohibited
LV2	Example: 12 1ST	Identifies the value associated with the first location designator of the service address	N – Optional when the LD2 field is populated, otherwise prohibited
LD3	Example: FL RM BLDG	Identifies additional specific information related to the service address	N – Optional when the SASN field is populated, otherwise prohibited
LV3	Example: 12 1ST	Identifies the value associated with the first location designator of the service address	N – Optional when the LD3 field is populated, otherwise prohibited

SES FORM – SERVICE ADDRESS INFORMATION

FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
CITY	End User's City	Identifies the city, village, township, etc. of the service address	N – Required
STATE	End User's State	Identifies the state/province of the service address	N – Required
ZIP	End User's ZIP Code	Identifies the ZIP code, ZIP code + extension or postal code of the service address	N – Required when the SASN field is populated, otherwise prohibited
JS	D	Indicates whether the access service is to terminate at a new or existing registered jack or demarc	N – Required
LCON	Name of Local Contact	Identifies the local contact name	N – Required
ACTEL	Telephone Number of LCON	Identifies the telephone number to be used for arranging access for installation	N – Required
LCON_EMAIL	Email of Local Contact	Identifies the email address of the Location Contact	N – Required

EVC FORM ETHERNET VIRTUAL CONNECTION

FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
EVCNUM	Example: 0001	Ethernet Virtual Connection Reference Number	N – Required
NC	VLP–	Network Channel	N – Required
NUT	02	Number of UNI Terminations	N – Required
EVCCKR	Optional – customer format	Customer Ethernet Virtual Circuit Identifier	N – Optional
UREF – 01	01	User Network Interface [UNI] Reference Number	N – Required
AUNT	Value = A Always use the AUNT field in the UREF 01 Section	Associated UNI Termination	N – Required
NCI	Port Based Codes 02VLN.A2 02VLN.UNT VLAN Based Codes 02VLN.V 02VLN.VP 02VLN.VST	Network Channel Interface	N – Required

EVC FORM ETHERNET VIRTUAL CONNECTION			
FIELD	**ENTRY**	**FIELD DESCRIPTION**	**ASR Activity Type**
UACT	N	User Network Interface [UNI] Activity Indicator	N – Required
RUID 01	Prohibited on UREF – 01	Identifies the provider's related circuit ID for a UNI	N – Prohibited
LREF – 01	Required	Level of Service Reference Number	N – Required
LOSACT	N	Identifies the activity for the level of service as part of the EVC configuration	N – Required
SPEC	EPATHSB	Service and Product Enhancement Code	N – Required
BDW	100M or 500M	Identifies the bandwidth rate defined by the Level of Service.	N – Required
UREF – 02	02	User Network Interface [UNI] Reference Number	N – Required
NCI	Port Based Codes 02VLN.A2 02VLN.UNT VLAN Based Codes 02VLN.V 02VLN.VP 02VLN.VST	Network Channel Interface	N – Required
UACT	N	User Network Interface [UNI] Activity Indicator	N – Required
EVCSP	11 character CLLI Code	Ethernet Virtual Connection Switch Point	N – Required
RUID 02	NNI Circuit ID	Identifies the provider's related Primary NNI circuit ID	N– Required
LREF – 01	Required	Level of Service Reference Number	N – Required
LOSACT	N	Identifies the activity for the level of service as part of the EVC configuration	N – Required
SPEC	EPATHSB	Service and Product Enhancement Code	N – Required
BDW	100M or 500M	Identifies the bandwidth rate defined by the Level of Service.	N – Required

Change Log

Date	Page Number	Change
05/30/2023		Initial document
06/01/2023	26,28,29	Corrected UNI NC codes and EVC NCI Codes

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