



Ethernet Internet Access (EIA) Stand Alone UNI/EVC for UNI in a Collocation ACT C

Frontier Wholesale

Jurisdiction: All

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UNI IN A COLLOCATION Process

Purpose

The Purpose of this document is to provide ordering guidance when ordering a standalone UNI or EVC on an ACT C order for EIA that is collocated in a Frontier Central Office

Note: Serving Wire Center must match one of the CLLI codes in Collocation SWC List provided in a separate document

This document is intended to provide the NC, NCI, SECNCI and SPEC codes

1. Service must be ordered with an EIAV PNUM
2. Must be existing service to which a change is being made

Special fields required

UNI:

1. PSL field (located on the ASR Form)
 - a. This field must be populated with an 11 character Frontier Central Office SWC CLLI code from the Collocation SWC List
2. On the SALI Form
 - a. EU Name will be the Carrier Customer Name
 - b. Address will match the address located on the Collocation SWC List
3. AAI field (SALI Form)
 - a. AAI field must be populated with the Tie Down information
4. SPEC code on the ASR Form will be ETHACC2

EIA UNI Change Process

This document is intended as an aid to Frontier Customers for the purpose of ordering using the activity C ordering process. This ordering process will allow:

1. Change to an existing UNI to Colo circuit scenarios (e.g., upgrade/downgrade/Roll)
2. ACT = C
3. PSL field (located on the ASR Form)
 - a. This field must be populated with an 11 character Frontier Central Office SWC CLLI code from the Collocation SWC List, must match the original install order, or a Move order is required.
4. On the SALI Form
 - a. EU Name will be the Carrier Customer Name
 - b. Address will match the address located on the Collocation SWC List
5. AAI field (SALI Form)
 - a. AAI field must be populated with the Tie Down information
6. SPEC code on the ASR Form will be ETHACC2
7. NC/NCI codes from chart above. If not upgrading/downgrading use same ones provided on previous order.
8. PNUM and VTA must match information provided on original install order
9. Remarks to advise of change order activity.

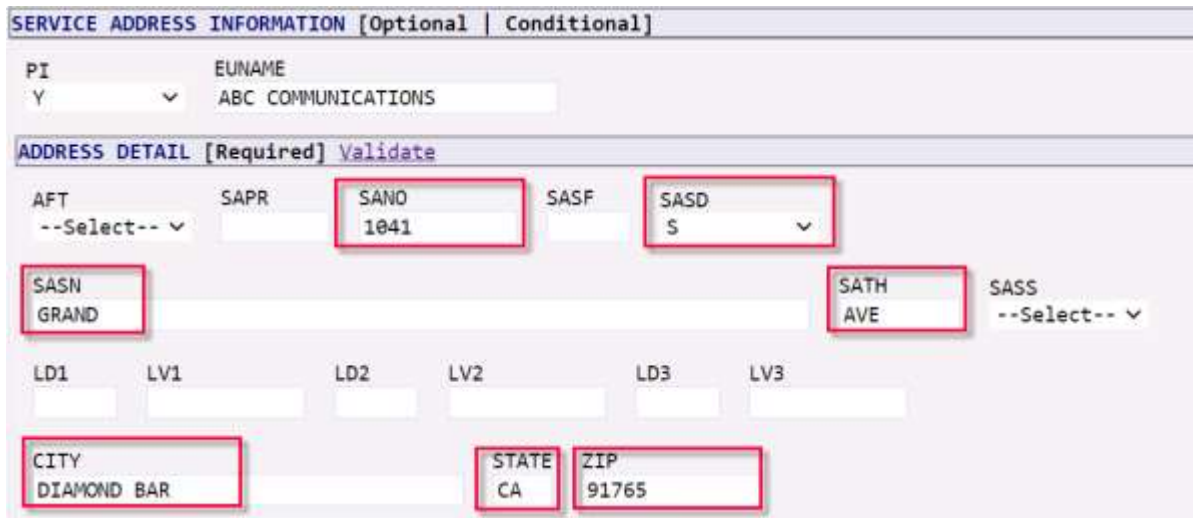
How to Use the Collocations SWC List to populate the ASR fields

1. Locate the Central Office 11 character CLLI code where service is requested. This



11 character CLLI for PSL field	Central Office	Carrier Hotel	CorePop	LATITUDE	LONGITUDE	Address	City	STATE	ZIP_CODE
DMBRCAXF86M	Central Office		<input type="checkbox"/>	34.002054	-117.814565	1041 S GRAND AVE	DIAMOND BAR	CA	91765

- Populate the 11 character CLLI code in the PSL field located on the ASR Form
- Populate the address fields in the SALI Section



SERVICE ADDRESS INFORMATION [Optional | Conditional]

PI: Y, EUNAME: ABC COMMUNICATIONS

ADDRESS DETAIL [Required] Validate

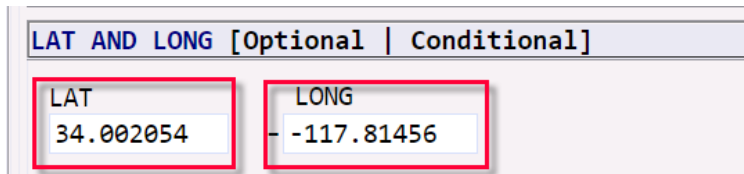
AFT: --Select--, SAPR: , SAND: 1041, SASF: , SASD: S

SASN: GRAND, SATH: AVE, SASS: --Select--

LD1: , LV1: , LD2: , LV2: , LD3: , LV3:

CITY: DIAMOND BAR, STATE: CA, ZIP: 91765

- Populate the LAT/LONG fields



LAT AND LONG [Optional | Conditional]

LAT: 34.002054, LONG: -117.81456

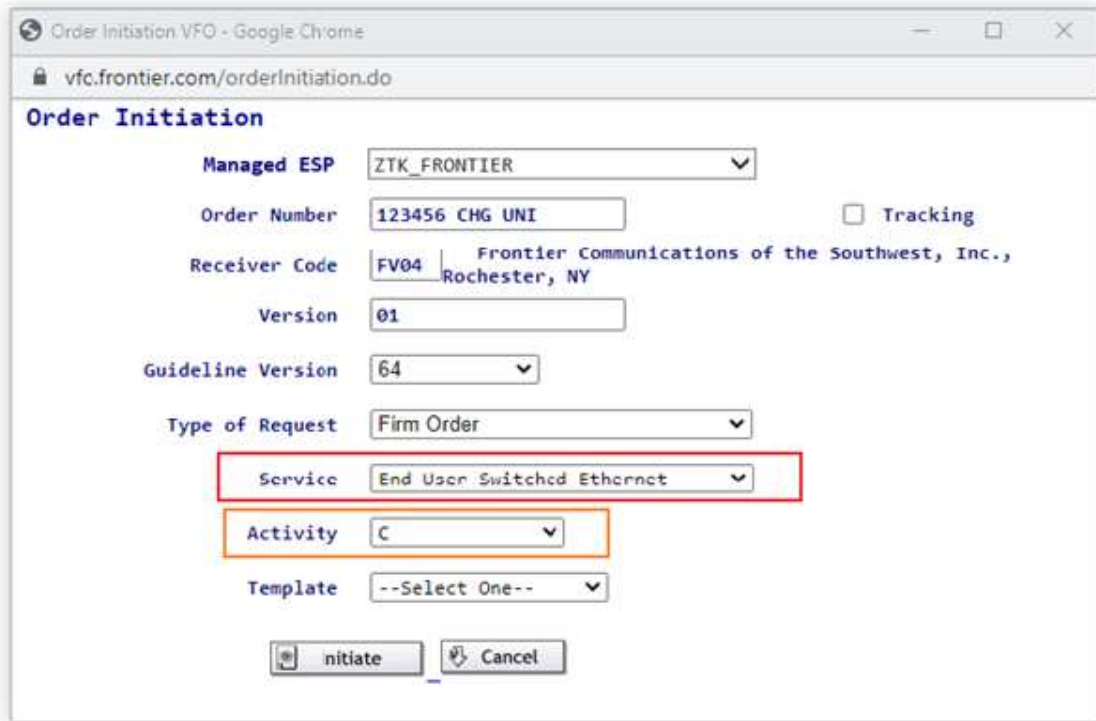
SPEC Codes, NC/NCI/SECNCI Codes and EVCNCI Codes for UNI in a Collocation

100M Port Based Codes Electrical Handoff (No Service Multiplexing (1 EVC per UNI))							
UNI SPEC	UNI Speed	EVC Speed	UNI NC	NCI	SECNCI	Hand Off	EVC NCI
ETHACC2	100M	5M	KQAM	04QB9.1CT	04CX9.1CT	Electrical	O2VLN.A2 - ALL TO ONE BUNDLE O2VLN.UNT - UNTAGGED FRAMES MAP
		10M	KQA1				
		20M	KQA2				
		50M	KQA5				
		100M	KQA-				
1G Port Based Codes Electrical Handoff (No Service Multiplexing (1 EVC per UNI))							
UNI SPEC	UNI Speed	EVC Speed	UNI NC	NCI	SECNCI	Hand Off	EVC NCI
ETHACC2	1G	5M	KRBA	08QB9.1GE	02CXF.1GE	Electrical	O2VLN.A2 - ALL TO ONE BUNDLE O2VLN.UNT - UNTAGGED FRAMES MAP
		10M	KRBB				
		20M	KRBD				
		50M	KRBJ				
		100M	KRA1				
		200M	KRA2				
		500M	KRA5				
		1G	KRAO				
1G Port Based Codes Fiber Handoff (No Service Multiplexing (1 EVC per UNI))							
UNI SPEC	UNI Speed	EVC Speed	UNI NC	NCI	SECNCI	Hand Off	EVC NCI
ETHACC2	1G	5M	KRBA	02QBF.K02	02CXF.1GE	Fiber	O2VLN.A2 - ALL TO ONE BUNDLE O2VLN.UNT - UNTAGGED FRAMES MAP
		10M	KRBB				
		20M	KRBD				
		50M	KRBJ				
		100M	KRA1				
		200M	KRA2				
		500M	KRA5				
		1G	KRAO				
10G Port Based Codes Fiber Handoff (No Service Multiplexing (1 EVC per UNI))							
UNI SPEC	UNI Speed	EVC Speed	UNI NC	NCI	SECNCI	Hand Off	EVC NCI
ETHACC2	10G	1G	KSA1	02QBF.K02	02CXF.10G	Fiber	O2VLN.A2 - ALL TO ONE BUNDLE O2VLN.UNT - UNTAGGED FRAMES MAP
		2G	KSA2				
		5G	KSA5				
		10G	KSA-				

Service Type for UNI Change

When creating a UNI change order request

1. Select the End User Switched Ethernet
2. Activity must equal C (change)



Order Initiation VFO - Google Chrome
vfc.frontier.com/orderInitiation.do

Order Initiation

Managed ESP: ZTK_FRONTIER

Order Number: 123456 CHG UNI Tracking

Receiver Code: FV04 Frontier Communications of the Southwest, Inc., Rochester, NY

Version: 01

Guideline Version: 64

Type of Request: Firm Order

Service: End User Switched Ethernet

Activity: C

Template: --Select One--

Service Type for EVC Change

When creating an EVC change order request

1. Select the Standalone EVC
2. Activity must equal C (change)

Order Initiation VFO - Google Chrome
vfo.frontier.com/orderInitiation.do

Order Initiation

Managed ESP: ZTK_FRONTIER

Order Number: 123456 CHG EVC Tracking

Receiver Code: FV04 Frontier Communications of the Southwest, Inc., Rochester, NY

Version: 01

Guideline Version: 64

Type of Request: Firm Order

Service: Standalone EVC

Activity: C

Template: --None Available--

ASR UNI

ASR FORM

FIELD	ENTRY	ASR Activity
ICSC	Frontier ICSC Code – Must match the associated CLLI on the Serving Wire Center List	C-Required
PON	Customer created PON	C-Required
CUSTOMER CODE	Customers CCNA	C-Required
DDD	6 Business Day Interval	C-Required
PROJECT	Customer generated	C-Optional
REQTYP	ED = End User	C-Required
ACT	C	C-Required
QSA	01	C-Required
SEI	Y	C-Required
RTR	F - Send FOC only S – Send FOC and DLR N - No response required	C-Required
EXP	Populate if Expedite is requested	C-Optional
PSL	This field will contain the Frontier SWC 11 character CLLI from the Collocation SWC List, should be the same as original order	C-Required
UNIT	C	C-Required
PIU	100	C-Required
QTY	1	C-Required
BAN	E, N or Fully Populated BAN	C-Required
TSP	Example: TSP12345C-E1 <u>Required</u> for C if existing on original Circuit	C-Conditional
SPEC	ETHACC2	C-Required
ASR REMARKS	Customer Populated	C-Optional

ASR BILLING SECTION

FIELD	ENTRY	ASR Activity
BILLNM - Billing Name	Example: XYZ Corp.	C-Optional
ACNA	Access Customer Name Abbreviation	C-Required
FUSF	E = Exempt Federal Universal Service Fee, N = Non-Exempt (Assessed) Federal Universal Service Fee	C-Required
VTA	Must match previous order	C-Required
VTAI	C = Retain existing Variable Term Agreement with no changes	C-Required
PNUM	Must match previous Order Activity	C-Required

CONTACT SECTION

FIELD	ENTRY	ASR Activity
INIT	Example: Jane Smith	C-Required
INITIATOR TEL	Example: 9999999999	C-Required
INIT EMAIL	Example: Jane.Smith@abc.com	C-Required
DSGCON	Example: Jane Smith First and Last Name are required. A spaced is required between first and last name.	C-Required
DSGCON TEL	Example: 9999999999	C-Required
IMPCON	Example: Jane Smith	C-Required
IMPCON TEL	Example: 9999999999	C-Required

How to populate the IP_Address

How to populate the IP_ADDRESS, IPAI and SUBNET_MASK fields that are required on Change Order Activity (if applicable)

****If not changing, populate with information on original order**

- Standard Frontier CIDR values
 - /28, /29 and /30 utilizing IPAI of 4 or M
 - /64 and /128 utilizing IPAI of 6

Submission of orders outside of the Standard CIDR will require the customer to work with their Sales Engineer to submit the DIA Extended IP Request Form

CIDR Block		IP_ADDRESS IPAI SUBNET_MASK	
This CIDR information was previously populated on the IP Request Form. It will now be utilized using the IPAI, IP_ADDRESS and SUBNET_MASK fields on the ASR SES Form			
CIDR Block	IPAI (IPV)	SUBNET_MASK	IP_ADDRESS For Ordering Purposes populate this field with corresponding Actual IP Address will be returned after Completion notice
/28	4 or M	255.255.255.240	111.111.111.28
/29	4 or M	255.255.255.248	111.111.111.29
/30	4 or M	255.255.255.252	111.111.111.30
/64	6	Prohibited	111.111.111.64
/128	6	Prohibited	111.111.111.128

SES FORM

Populate the following fields from the highlighted area in the chart above

The screenshot shows the 'SWITCHED ETHERNET SERVICES LOCATION SECTION' of the SES FORM. The following fields are highlighted with red boxes:

- IPAI:** 4
- SUBNET_MASK:** 255.255.255.240
- IP_ADDRESS:** 111.111.111.28

FIELD	ENTRY	ASR Activity
NC/NCI/SECNCI	For UNI in a Collocation go to page 4 using the link below SPEC Codes, NC/NCI/SECNCI Codes and EVCNCI Codes for UNI in a Collocation	C-Required
ESP	11 character CLLI from original order	C-Required

SES FORM – Service Location Section

FIELD	ENTRY	ASR Activity
IPAI	Use values in the above chart if changing, if not then populate from previous order	C-Required
SUBNET_MASK	Use values in the above chart if changing, if not then populate from previous order	C-Required
IP_ADDRESS	Use values in the above chart if changing, if not then populate from previous order (Prohibited with /64 & /128)	C-Required

SES FORM – Service Address Information

FIELD	ENTRY	ASR Activity
PI	Y	C-Required
EUNAME	This field must contain the Carrier Customer Name	C-Required
SANO	Use street number from the Collocation Serving Wire Center list	C-Required
SASN	Use street name from the Collocation Serving Wire Center list	C-Required
SATH	Example: LN, ST, RD, AVE Address must match the address from the Collocation Serving Wire Center list	C-Optional When the SASN field is populated, otherwise prohibited
SASS	Example: E = East N = North NE = North East SW = South West Address must match the address from the Collocation Serving Wire Center list	C-Optional When the SASN field is populated, otherwise prohibited
CITY	Populate from the Collocation Serving Wire Center list	C-Required
STATE	Populate from the Collocation Serving Wire Center list	C-Required
ZIP	Populate from the Collocation Serving Wire Center list	C-Required
LAT	This data for this field can be found on the Collocated Serving Wire Center List. The field is optional but recommended	C-Optional
LONG	This data for this field can be found on the Collocated Serving Wire Center List. The field is optional but recommended	C-Optional
NCON	Y	C-Required
AAI	Field must be populated when ordering to a Frontier Central Office Serving Wire Center Format: bay/panel/jack	C-Required
JS	D	C-Required
LCON	Example: John Smith	C-Required
ACTEL	Example: 9999999999	C-Required
LCON_EMAIL	Example: John.Smith@ftr.com	C-Required

ASR EVC

ASR FORM

FIELD	ENTRY	ASR Activity
ICSC	Frontier ICSC Code – Must match the associated CLLI on the Serving Wire Center List	C-Required
PON	Customer created PON	C-Required
CUSTOMER CODE	Customers CCNA	C-Required
DDD	ACT = C = 6 Business Day Interval	C-Required
PROJECT	Customer generated	C-Optional
REQTYP	SD	C-Required
ACT	C	C-Required
EVC I	A	C-Required
RTR	F - Send FOC only S – Send FOC and DLR (Prohibited on ACT R) N - No response required	C-Required
EXP	Populate if Expedite is requested	C-Optional
UNIT	C	C-Required
PIU	100	C-Required
QTY	1	C-Required
BAN	E, N or Fully Populated BAN	C-Required
TSP	Example: TSP12345C-E1 <u>Required</u> for ACT C if existing on original Circuit	C-Conditional
ASR REMARKS	Customer Populated	C-Optional

ASR BILLING SECTION

FIELD	ENTRY	ASR Activity
BILLNM - Billing Name	Example: XYZ Corp.	C-Optional
ACNA	Access Customer Name Abbreviation	C-Required
FUSF	E = Exempt Federal Universal Service Fee, N = Non-Exempt (Assessed) Federal Universal Service Fee	C-Required
VTA	Must match previous Order Activity	C-Required
VTAI	C = Retain existing Variable Term Agreement with no changes	C-Required
PNUM	Must match previous Order Activity	C-Required

CONTACT SECTION

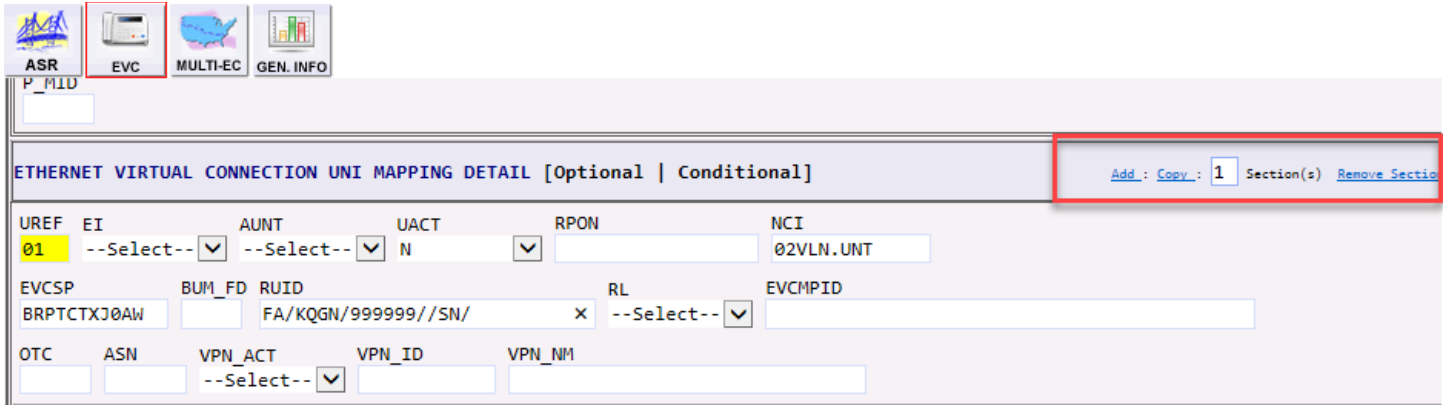
FIELD	ENTRY	ASR Activity
INIT	Example: Jane Smith	C-Required
INITIATOR TEL	Example: 9999999999	C-Required
INIT EMAIL	Example: Jane.Smith@abc.com	C-Required
DSGCON	Example: Jane Smith First and Last Name are required. A spaced is required between first and last name.	C-Required
DSGCON TEL	Example: 9999999999	C-Required
IMP CON	Example: Jane Smith	C-Required
IMP CON TEL	Example: 9999999999	C-Required

EVC FORM FIELDS

FIELD	ENTRY	ASR Activity
EVCNUM	Example: 0001	C-Required
NC	VLP-	C-Required
EVCID	Required on Activity C	C-Required
NUT	02	C-Required
EVCKR	Optional- customer format	C-Optional
UREF - 01	01	C-Required
UACT	C	C-Required
NCI	O2VLN.UNT	C-Required
EVCSP	ESP 'Ethernet Switch CLLI, provided on FOC in the ESP field of UNI PON	C-Required
RUID 01	Populate with circuit ID returned on initial FOC	C-Required
EVC Level of Service Mapping Detail		
LREF	Populate with 1	C-Required
LOSACT	C for change order activity	C-Required
LOS	Basic	C-Required
BDW	Desired speed from contract/must not be larger than UNI Speed NOTE: BDW value must match on both LREF's	C-Required
TOS	000000 = WAN LAN 111111 = FLAT LAN	C-Required
EVC UNI Mapping (Frontier provided NNI/CLF) UREF 02		
UREF - 02	02	C-Required
UACT	C	C-Required
NCI	Populate with O2VLN.V	C-Required
EVCSP	Ethernet Switch CLLI, provided on FOC in the ESP field of UNI PON	C-Required
RUID 02	Populate with circuit ID returned on initial FOC or subsequent order	C-Required
CE-VLAN	Customer can populate this field to assign their own VLAN. Otherwise, Frontier will assign the VLAN	C-Optional
EVC Level of Service Mapping Detail		
LREF	Populate with 1	C-Required
LOSACT	C	C-Required
LOS	BASIC	C-Required
BDW	Speed of UNI Circuit. Example '20M' (Must match UREF entry 1)	C-Required
TOS	Prohibited. Do not populate	C-Prohibited

Adding an Additional UREF 2 Section to the EVC Form

1. VFO will automatically add the UREF 01 Section. Complete the required fields for the section.
2. To Add the 2nd UREF, select the Add button.
3. Performing a Copy will duplicate this section to UREF 02. Be sure to change the data the applies to UREF 02.
4. Using the Remove Section will remove the UREF section entirely.



The screenshot shows the 'ETHERNET VIRTUAL CONNECTION UNI MAPPING DETAIL' form. At the top, there are four navigation icons: ASR, EVC (highlighted with a red box), MULTI-EC, and GEN. INFO. Below the icons is a 'P_MID' field. The main section is titled 'ETHERNET VIRTUAL CONNECTION UNI MAPPING DETAIL [Optional | Conditional]' and contains a table with the following fields:

UREF	EI	AUNT	UACT	RPON	NCI
01	--Select--	--Select--	N		02VLN.UNT

Below the table, there are additional fields: EVCSP (BRPTCTXJ0AW), BUM_FD, RUID (FA/KQGN/999999//SN/), RL (with an 'x' icon), and EVCMPID. At the bottom, there are fields for OTC, ASN, VPN_ACT (with a dropdown), VPN_ID, and VPN_NM. In the top right corner of the form, there is a red-bordered box containing the text 'Add : Copy : 1 Section(s) Remove Section'.

Change Log

Date	Page Number	Change

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