ETHERNET INTERNET ACCESS (EIA) COMBO FOR UNI IN A COLLOCATION

Frontier Wholesale

Jurisdiction: All
Revised Date: 07/27/2023

Contents

UNI IN A COLLOCATION Process

The purpose of this document is to provide ordering guidance when ordering an EIA UNI 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

Special fields required

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
5. NCON must equal Y
6. LAT/LONG is highly recommended

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

11 character CLLI for PSL field	Central Office Carrier Hotel CorePop	LATITUDE	LONGITUDE	Address	City	STATE	ZIP_CODE
DMBRCAXF86M	Central Office	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                 EUNAME
Y           ▼      ABC COMMUNICATIONS

ADDRESS DETAIL [Required] Validate

AFT           SAPR       SANO       SASF       SASD
--Select-- ▼             1041                  S          ▼

SASN                                                      SATH          SASS
GRAND                                                     AVE           --Select-- ▼

LD1      LV1         LD2        LV2         LD3      LV3


CITY                                STATE   ZIP
DIAMOND BAR                         CA      91765
```

➢ Populate the LAT/LONG fields

```
LAT AND LONG [Optional | Conditional]

LAT                 LONG
34.002054         - -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	02VLN.A2 – ALL TO ONE BUNDLE 02VLN.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	02VLN.A2 – ALL TO ONE BUNDLE 02VLN.UNT – UNTAGGED FRAMES MAP
		10M	KRBB				
		20M	KRBD				
		50M	KRBJ				
		100M	KRA1				
		200M	KRA2				
		500M	KRA5				
		1G	KRA0				

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	02VLN.A2 – ALL TO ONE BUNDLE 02VLN.UNT – UNTAGGED FRAMES MAP
		10M	KRBB				
		20M	KRBD				
		50M	KRBJ				
		100M	KRA1				
		200M	KRA2				
		500M	KRA5				
		1G	KRA0				

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	02VLN.A2 – ALL TO ONE BUNDLE 02VLN.UNT – UNTAGGED FRAMES MAP
		2G	KSA2				
		5G	KSA5				
		10G	KSA–				

EIA Combo Process

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

1. The Wholesale Customer to order a UNI Circuit and EVC using Frontier's NNI to carry the Ethernet Traffic on one ASR
2. For Standard CIDR request (/28, /29 and /30, /64, and /128) the IP Request Form will no longer be needed
3. For Non Standard CIR
4. DR: /27 and above
   a. PON will receive a C/NR
      i. CONTACT ACCT MGR, SUPP REQD
      ii. The Account Team will also be notified of the Non Standard IP Request and it will be necessary to work with that team
         1. *Non Standard IP Request* include static routing of net-blocks that are foreign to Frontier's network.
            a. *Frontier Static Routing Policy* can be found here:
               http://ipadmin.frontier.com/static.html
      iii. A SUP may or may not be required
3. Reduced cycle time utilizing one ASR for both the UNI and EVC
4. Simplified ordering
5. All change orders will need to be done on a Stand Alone EVC and or a Stand Alone UNI
6. Completion and FOC of the UNI and EVC on the same day

VFO Service Type for COMBO

When creating a new Order Request

1. Select the End User Switched Ethernet EVC for COMBO Ordering

ASR COMBO

ASR FORM

FIELD	ENTRY	ASR Activity
ICSC	Frontier ICSC Code – Must match the associated CLLI on the Serving Wire Center List	N–Required R–Required
PON	Customer created PON	N–Required R–Required
CUSTOMER CODE	Customers CCNA	N–Required R–Required
DDD	ACT N–10 Business Days ACT R–2 Business Days	N–Required R–Required
PROJECT	Customer generated	N–Optional R–Optional
REQTYP	ED = End User	N–Required R–Required
ACT	N or R	N–Required R–Required
EXP	Populate if Expedite is requested	N–Optional R–Optional
QSA	01	N–Required R–Required
EVCI	B	N–Required R–Required
SEI	Y	N–Required R–Required
RTR	F – Send FOC only S – Send FOC and DLR (Prohibited on ACT R) N – No response required	N–Required R–Required
PSL	This field will contain the Frontier SWC 11 character CLLI from the Collocation SWC List	N–Required R–Required
UNIT	C	N–Required R–Required
PIU	100	N–Required R–Required
QTY	1	N–Required R–Required
BAN	E, N or Fully Populated BAN	N–Required R–Required
TSP	Example: TSP12345C–E1 **Required** for R if existing on original Circuit	N–Optional R–Conditional
SPEC	ETHACC2	N–Required R–Required
ASC–EC	Prohibited	N–Prohibited R–Prohibited
ASR REMARKS	Customer Populated	N–Optional R–Optional

ASR BILLING SECTION

FIELD	ENTRY	ASR Activity
BILLNM – Billing Name	Example: XYZ Corp.	N–Optional N–Required when BAN field equals N R–Optional
ACNA	Access Customer Name Abbreviation	N–Required R-Required
TE	Example: A = F & S B = F & C	N–Optional N – Required when BAN field equals N R–Optional
FUSF	Example: E = Exempt Federal Universal Service Fee	N–Required R–Optional
BILL_STR	Billing information when BAN field is populated with N	N–Optional N – Required when BAN field equals N R–Optional
BILL_CITY	Billing information when BAN field is populated with N	N–Optional N – Required when BAN field equals N R–Optional
BILL_STATE	Billing information when BAN field is populated with N	N–Optional N–Required when BAN field equals N R–Optional
BILL_ZIP	Billing information when BAN field is populated with N	N–Optional N–Required when BAN field equals N R–Optional
BILL CON	Billing information when BAN field is populated with N	N–Optional N–Required when BAN field equals N R–Optional
BILL CON TEL NO	Billing information when BAN field is populated with N	N–Optional N–Required when BAN field equals N R–Optional
VTA	Refer to your EIA contract for negotiated Term Agreement	N–Required R-Required
VTAI	ACT N = A ACT R = A, B or C A = New Variable Term Agreement B = Re–term existing Variable Term Agreement with new start date C = Retain existing Variable Term Agreement with no changes	N–Required R-Required
PNUM	Populate this field based on the signed contract for this service Note: PNUM positions 1 to 4 must equal EIAV*	N–Required R-Required

CONTACT SECTION

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

SES FORM

Determine how many IP Addresses needed based on CIDR

How many IP Addresses do I need?

a. What is my CIDR? (Classless Inter-Domain Routing) – this is a method for allocating IP addresses and IP routing)

Frontier will use the last 2 positions of the IP address field on the SES form to determine the CIDR requested

**Based on the CIDR value and TOS value required, utilize the chart below to determine the IP Justification Usage**

CIDR Not used on the VFO Request	SES FORM			EVC FORM			
	IPAI	SUBNET	IP ADDRESS	TOS	IP USAGE VALUES		ECI NAMES
				WAN or FLAT	MIN	MAX	Customer will only populate what is being requested
/28	4 or M	255.255.255.240	111.111.111.28	000000	**7**	14	**VPN**
/28	4 or M	255.255.255.240	111.111.111.28	111111	6	13	**FIREWALL**
/29	4 or M	255.255.255.248	111.111.111.29	000000	3	6	**COMPUTERS**
/29	4 or M	255.255.255.248	111.111.111.29	111111	2	5	**SERVERS**
/30	4 or M	255.255.255.252	111.111.111.30	000000	1	2	**WEB HOSTING**
/30	4 or M	255.255.255.252	111.111.111.30	111111	1	1	**VIRTUAL GAMING/TRAINING**
/64	6	Prohibited	111.111.111.64	111111	Unlimited		
/128	6	Prohibited	111.111.111.128	000000	Unlimited		**These values must be populated exactly as listed here**

How to populate the IP_ADDRESS, IPAI and SUBNET_MASK fields that are required on New Activity

CIDR Block	IP_ADDRESS
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	IPAI SUBNET_MASK

➤ **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
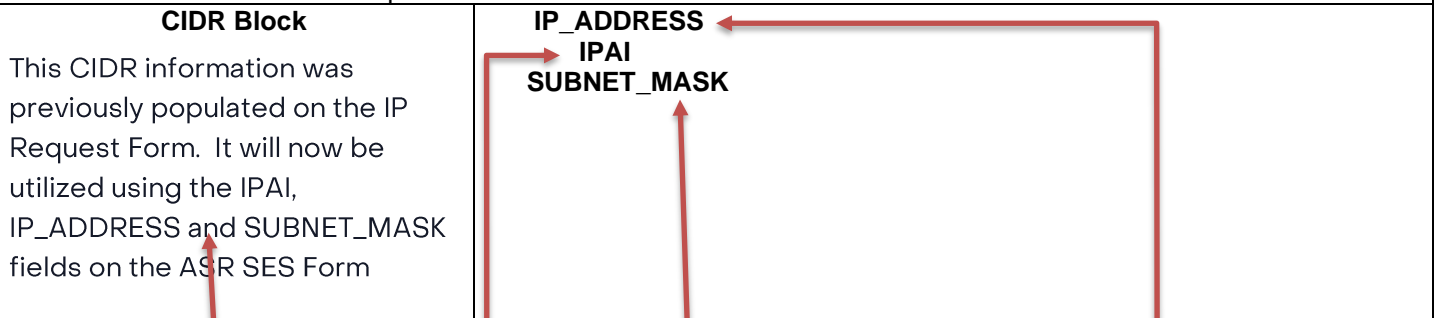
CIDR Block	IPAI (IPV)	SUBNET_MASK	IP_ADDRESS **For Ordering Purposes populate this field with corresponding** **Actual IP Address will be returned after Completion notice**
/28	4 or M	255.255.255.240	111.111.111.28
/29	4 or M	255.255.255.248	111.111.111.29
/30	4 or M	255.255.255.252	111.111.111.30
/64	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

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	N–Required R–Required
ESP	Ethernet Service Point. Customer is permitted to populate the ESP field with a preferred or recommended Switch CLLI.	N–Prohibited R–Optional

SES FORM – Service Location Section

FIELD	ENTRY	ASR Activity
IPAI	Use values in the above chart	N–Required R–Prohibited
SUBNET_MASK	Use values in the above chart	N–Required R–Prohibited
IP_ADDRESS	Use values in the above chart (Prohibited with /64 & /128)	N–Required R–Prohibited

SES FORM – Service Address Information

FIELD	ENTRY	ASR Activity
PI	Y	N–Required R–Required
EUNAME	This field must contain the Carrier Customer Name	N–Required R–Required
SANO	Use street number from the Collocation Serving Wire Center list	N–Required R–Required
SASN	Use street name from the Collocation Serving Wire Center list	N–Required R–Required
SATH	Example: LN, ST, RD,AVE Address must match the address from the Collocation Serving Wire Center list	N,R–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	N,R–Optional When the SASN field is populated, otherwise prohibited
CITY	Populate from the Collocation Serving Wire Center list	N–Required R–Required
STATE	Populate from the Collocation Serving Wire Center list	N–Required R–Required
ZIP	Populate from the Collocation Serving Wire Center list	N–Required R–Required
LAT	This data for this field can be found on the Collocated Serving Wire Center List. The field is optional but recommended	N–Optional R–Optional
LONG	This data for this field can be found on the Collocated Serving Wire Center List. The field is optional but recommended	N–Optional R–Optional
NCON	Y	N–Required R–Required
AAI	Field must be populated when ordering to a Frontier Central Office Serving Wire Center **Format: bay/panel/jack**	N–Required R–Required
JS	D	N–Required R–Prohibited

FIELD	ENTRY	ASR Activity
LCON	Example: John Smith	N–Required R–Required
ACTEL	Example: 9999999999	N–Required R–Required
LCON_EMAIL	Example: John.Smith@ftr.com	N–Required R–Required
ALCON	Example: John Smith	N–Required R–Required
ALCON_TEL	Example: 9999999999	N–Required R–Required
ALCON_EMAIL	Example: DOMAIN@FTR.COM	N–Required R–Required

EVC FORM – Ethernet Virtual Connection

Step 1: Justify the IP Usage values

Using the ECI NAMES & ECI VALUES located on the EVC Form

EVC FORM ECI Fields

➢ A section on the EVC Form will be used and will replace the IP Address Usage Section on the IP Request Form.
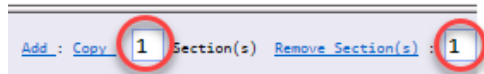- ECI_NAME
- ECI_VALUE

Current IP Address Usage

Please provide the numbers detailing your current network in order to justify the requested IP Block.

Remember to include any ip count required for a FLAN LAN if choosing a FLAT LAN connection so the customer's needs don't get shorted.

6e	VPN	0	IP addresses
6f	Firewall	0	IP addresses
6g	Computers	0	IP addresses
6h	Servers	0	IP addresses
6i	Web Hosting	0	IP addresses
6j	Virtual Gaming/Training	0	IP addresses
6k	DSL (explain count below)	0	IP addresses

NOTE: Only use the ECI Fields located on the EVC FORM. From the EVC FORM you will need to scroll down to the first instance of the Company Specific Field at the CKT Level Section to locate the fields.

➢ The Company Specific Field Section on the EVC Form will be used to justify the requested IP Block. This section will be required on the ASR

➢ On the EVC Form scroll past the last LREF to locate the COMPANY SPECIFIC FIELD Section. This section is used to justify the IP Usage. (Note: The ECI Section is the first instance of these fields. There is also an ECI Section at the bottom of the EVC Form. DO NOT USE THIS SECTION)

➢ Adding or Removing additional IP Blocks
- ❖ Select the Add or Remove Section
- ❖ The Number field can also be used to add or remove multiple sections

Add : Copy [1] Section(s) Remove Section(s) : [1]

Step 2: Do I need WAN LAN or FLAT LAN?

      a. <u>WAN LAN – depending on the size of the block, Frontier will assign:</u>
          /30 LAN with a /30 WAN
          /29 LAN with a /30 WAN
          /28 LAN with a /30 WAN
      b. <u>FLAT LAN IPs will always face Frontier and Frontier will assign:</u>
          A single /30 facing directly to Frontier
          A single /29 facing directly to Frontier
          A single /28 facing directly to Frontier.

Populate TOS field on the EVC Mapping based on values below

      c. TOS Values: 000000 = WAN LAN or 111111 = FLAT LAN

EXAMPLE:

Customer needs to order WAN LAN IP utilizing 3 VPN and 4 VIRTUAL GAMING/TRAINING . Using the data provided in the table below populate the fields on the ASR Request.

CIDR (Not used on the VFO Request)	SES FORM			EVC FORM			
	IPAI	SUBNET	IP ADDRESS	TOS	IP USAGE VALUES		ECI NAMES
					MIN	MAX	Customer will only populate what is being requested
/28	**4 or M**	**255.255.255.240**	**111.111.111.28**	**000000**	**7**	14	**VPN** **FIREWALL** **COMPUTERS** **SERVERS** **WEB HOSTING** **VIRTUAL GAMING/TRAINING** **These values must be populated exactly as listed here**
/28	4 or M	255.255.255.240	111.111.111.28	111111	6	13	
/29	4 or M	255.255.255.248	111.111.111.29	000000	3	6	
/29	4 or M	255.255.255.248	111.111.111.29	111111	2	5	
/30	4 or M	255.255.255.252	111.111.111.30	000000	1	2	
/30	4 or M	255.255.255.252	111.111.111.30	111111	1	1	
/64	6	Prohibited	111.111.111.64	111111	Unlimited		
/128	6	Prohibited	111.111.111.128	000000	Unlimited		

EVC FORM

Populate the TOS field and ECI NAME and ECI Value based on the highlighted fields above

EVC FORM FIELDS

FIELD	ENTRY	ASR Activity
EVCNUM	Example: 0001	N–Required R–Required
NC	VLP–	N–Required R–Required
EVCID	Required on Activity R	
NUT	02	N–Required R–Required
EVCCKR	Optional– customer format	N–Optional R–Optional
UREF – 01	01	N–Required R–Required
AUNT	For New activity–Always use the AUNT field in the UREF 01 Section. Populate with A Prohibited on ACT R	N–Required R–Prohibited
UACT	N for New Activity R for Records Activity	N–Required R–Required
NCI	02VLN.UNT	N–Required R–Required
EVCSP	For New Activity–Prohibited on UREF–01 For Records Activity–ESP 'Ethernet Switch CLLI, provided on FOC in the ESP field of UNI PON	N–Prohibited R–Required
RUID 01	New Activity-Prohibited on UREF – 01 Records Activity-Populate with circuit ID returned on initial FOC	N–Prohibited R–Required

EVC Level of Service Mapping Detail		
LREF	Populate with 1	N–Required R–Required
LOSACT	N for New Activity R for Records Activity	N–Required R–Required
LOS	BASIC	N–Required R–Required
BDW	Speed of UNI Circuit. Example '20M' For ACT of R, BDW must be the speed of the current circuit	N–Required R–Required
TOS	000000 = WAN LAN 111111 = FLAT LAN	N–Required R–Required
EVC UNI Mapping (Frontier provided NNI/CLF) UREF 02		
UREF – 02	02	N–Required R–Required
UACT	N–New Activity R–Record Activity	N–Required R–Required
NCI	Populate with 02VLN.V	N–Required R–Required
EVCSP	For New Connect, populate with **NEWINNICLLI** For Records Activity–ESP 'Ethernet Switch CLLI, provided on FOC in the ESP field of UNI PON	N–Required R–Required
RUID 02	For New Connect, populate with **NEW** Records Activity-Populate with circuit ID returned on initial FOC	N–Required R–Required
CE–VLAN	Customer can populate this field to assign their own VLAN. Otherwise, Frontier will assign the VLAN	N–Optional R–Optional
EVC Level of Service Mapping Detail		
LREF	Populate with 1	N–Required R–Required
LOSACT	N for New Activity R for Records Activity	N–Required R–Required
LOS	BASIC	N–Required R–Required
BDW	Speed of UNI Circuit. Example '20M' (Must match UREF entry 1) For ACT of R, BDW must be the speed of the current circuit	N–Required R–Required
TOS	**Prohibited. Do not populate**	N–Prohibited R–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.

IP Address Usage Section EVC Form, ECI Fields

EVC FORM – ECI Fields for IP Justification
<u>FIELDS</u>

➢ A New section on the EVC Form will be used and will replace the IP Address Usage Section on the IP Request Form.
    • ECI_NAME
    • ECI_VALUE

<u>**Valid Values for ECI NAME Field:**</u> VPN, FIREWALL, COMPUTERS, SERVERS, WEB HOSTING, VIRTUAL and GAMING/TRAINING **Note:** These values must be entered in the field exactly as shown or an error will be displayed
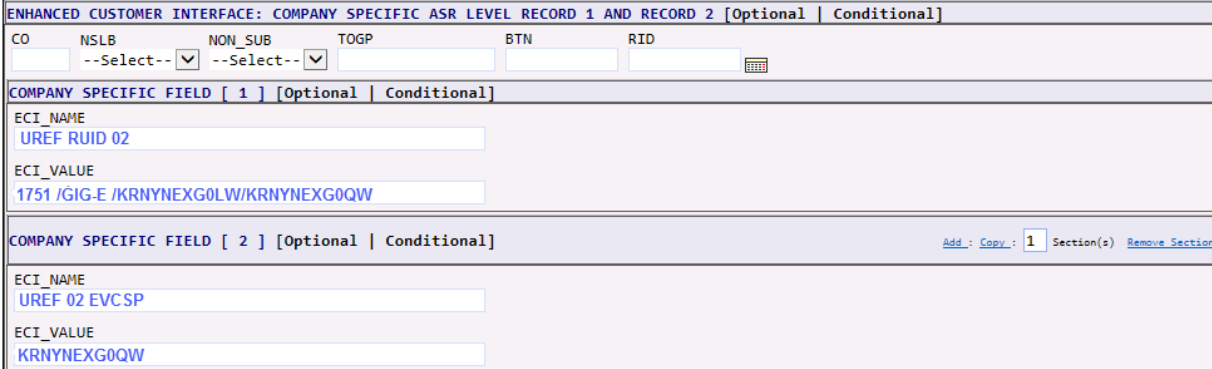
FIELD	ENTRY	FIELD DESCRIPTION	ASR Activity Type
ECI_NAME	VPN FIREWALL COMPUTERS SERVERS WEB HOSTING VIRTUAL GAMING/TRAINING	Used for IP Justification	N – Required
ECI_VALUE	1 to 14 when ordering Standard offerings	The value is based on the table below and is dependent on the CIDR and TOS values	N – Required

Information Provided on the FOC

Note: The change on the Confirmation Notice for Combo ordering will be the addition of the UREF 02 ECCKT and EVCSP. The information provided in the FOC will be used on any future ASR Activity

1.	The New UNI ECCKT for UREF 01/RUID will be provided on REFNUM 0001
	ASSOCIATED CIRCUIT INFORMATION [Optional | Conditional] REFNUM ECCKT 0001 RUID 01 Circuit ID
2.	The Frontier NNI ECCKT UREF 02/RUID will be provided on the ECI_NAME and ECI_VALUE The EVCSP will be provided on the ECI Name and ECI Value ENHANCED CUSTOMER INTERFACE: COMPANY SPECIFIC ASR LEVEL RECORD 1 AND RECORD 2 [Optional | Conditional] CO NSLB NON_SUB TOGP BTN RID --Select-- --Select-- COMPANY SPECIFIC FIELD [1] [Optional | Conditional] ECI_NAME UREF RUID 02 ECI_VALUE 1751 /GIG-E /KRNYNEXG0LW/KRNYNEXG0QW COMPANY SPECIFIC FIELD [2] [Optional | Conditional] Add : Copy : 1 Section(s) Remove Section ECI_NAME UREF 02 EVCSP ECI_VALUE KRNYNEXG0QW
3.	The ESP (Ethernet Switch CLLI). This is the EVCSP associated with RUID 01 CONFIRMATION [Optional | Conditional] RTI ESP FDT LAG_ID FTWZINOY0CW
4.	The New EVC ECCKT VIRTUAL CONNECTION CONFIRMATION [Optional | Conditional] VCNUM VCID VCORD 0001 EVC Circuit ID 8529781

IP Information – Informational C/NR before ASR completion

1.	An informational C/NR will be sent before Completion of the ASR. The following information will be provided in the Remarks field of the C/NR:

> ➢ LAN IP (IP INFO sent via separate email when IPAI equals M)
> ➢ WAN IP
> ➢ GATEWAY
> ➢ SUBNET
> ➢ FTR (Frontier IP Address)
> ➢ CXR (Customer IP)

NOTE: The Primary and Secondary DNS will be added to the Information C/NR with a future release.

The values will always be:
Primary–DNS = 74.40.74.40
Secondary–DNS = 74.40.74.41

Example #1 – (IPAI = M)

LAN IP: IP INFO Sent via separate email; WAN IP: 50.122.62.160/30; GATEWAY: 50.122.62.161; SUBNET: 255.255.255.252; FTR: 50.122.62.161; CXR: 50.122.62.162;

Example #2 – (IPAI = 4 or 6)

LAN IP: 192.182.73.128/27; WAN IP: 50.122.62.160/30; GATEWAY: 50.122.62.161; SUBNET: 255.255.255.252; FTR: N/A; CXR: 50.122.62.162;

The Information C/NR can be found on the History Tab in VFO
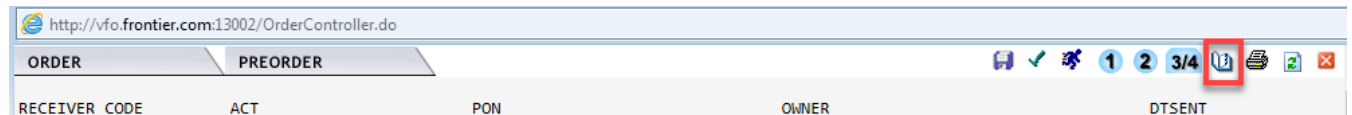
From the ASR History Page, double click the PON to the left of Clarification Remarks. The PON is TEST in this example

This will take you to the ASR Response – Clarification Remarks Page
REMARKS
IP INFO: LAN IP: 104.229.33.177/28 WAN IP: 32.225.6.136/30 GATEWAY: 104.223.33.176 FTR: 32.223.4.137 CXR: 32.224.6.137

NOTE: An informational E–mail will be sent from HostmasterFrontiernet.net with the assigned IP address. It is not necessary to add this to the existing PON. All IP information will be sent on the informational C/NR.

Change Log

Date	Page Number	Change
7/27/2023	12	Prohibited ESP field

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