



# EIA Combo Ordering VFO Overview

# Initiating ASR in VFO



## VFO Service Type for COMBO

When creating a new Order Request

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

A screenshot of a web browser window titled "Order Initiation VFO - Internet Explorer provided by Frontier Communications". The address bar shows "http://vfo.frontier.com:13002/orderInitiation.do". The page content is titled "Order Initiation" and contains several form fields:

- Order Number: COMBO-ACT-N (with a close button)
- Receiver Code: FV06 (with "Frontier Telecom" text next to it)
- Version: 01
- Guideline Version: 58 (dropdown menu)
- Type of Request: Firm Order (dropdown menu)
- Service: End User Switched Ethernet EVC (dropdown menu, highlighted with a red box)
- Activity: N (dropdown menu)
- Template: --None Available-- (dropdown menu)

At the bottom, there are two buttons: "Initiate" and "Cancel". A "Tracking" checkbox is also visible in the top right area of the form.

# ASR Form – Administrative Section



ASR SES EVC NAI GEN.INFO

**ADMINISTRATIVE [Required]**

CCNA PON VER ASRNO SPA ICSC  
 ZTK Eiacombo-TRNG 01 [ ] GT10

CC UNE QA CBD DDD FDT PROJECT CCI  
 --Select-- --Select-- 09/25/2019 [ ] [ ] --Select--

CNO PPTD NOR LUP BSA REQ TYP ACT ACTI EU  
 [ ] [ ] [ ] [ ] --Select-- ED N --Select-- --Select--

QSA WST LATA EVCI SEI PVC I NPVC RTR SUP AFO  
 01 --Select-- B Y --Select-- [ ] F --Select-- [ ]

QNAI TQ EXP EDA AENG ALBR  
 [ ] --Select-- --Select-- --Select-- --Select--

AGAUTH DATED CUST LA LADATED LANM JPR  
 --Select-- [ ] [ ] --Select-- [ ] [ ] [ ]

NAG  
 --Select--

SRN FBA FNI FNT RFNI CFNI PSL  
 [ ] [ ] [ ] --Select-- [ ] [ ] [ ]

PSLI CKR UNIT PIU PLU  
 --Select-- [ ] --Select-- 100 [ ]

WSI\_P WSI\_S LTP ECCKT QTY BAN  
 --Select-- --Select-- [ ] [ ] [ ] 1 E

ASG BIC BIC\_TEL BIC\_ID  
 [ ] --Select-- [ ] [ ]

TSC ISTN ACTL APOT  
 [ ] [ ] [ ] [ ]

RORD RPON LAG  
 [ ] [ ] --Select--

CCVN ASC\_EC TSP SAN AFG SPEC PREV\_PON  
 [ ] --Select-- [ ] [ ] --Select-- ETHACC [ ]

ASR\_REMARKS  
 TEST ORDER FOR EIA

- Required Fields on ACT=N**
- Customer Code (CCNA)
  - DDD
  - REQ TYP (Auto Populated)
  - ACT (Auto Populated)
  - QSA (01)
  - EVCI (Auto Populated)
  - SEI (Auto Populated)
  - RTR
  - UNIT
  - PIU (100)
  - QTY (1)
  - BAN
  - SPEC (ETHACC)

# ASR Form – Billing & Contact Sections



BILLING [Optional   Conditional]						
BILLNM	SBILLNM	ACNA	TE	FUSF		
		ZTK	--Select--	E		
EBP	BILL_STR	BILL_FL	BILL_RM	BILL_CITY		
BILL_STATE	BILL_ZIP	BILLCON	BILLCON_TEL			
BILLCON_EMAIL						
VTA	TLE	VCVTA				
36	--Select--					
IWBAN	PNUM	PSD				
	EIAZTKTRAINING					
CONTACT [Optional   Conditional]						
INIT	INITIATOR_TEL	INIT_FAX_NO				
Jean Beurkens	9999999999					
INIT_EMAIL	DSGCON	DSGCON_TEL	DSG_FAX_NO			
jean.beurkens@ftr.com	Jean Beurkens	9999999999				
DSG_EMAIL						
jean.beurkens@ftr.com						
DSGCON_STR	DRC	FDRC	DSGCON_FL	DSGCON_RM	DSGCON_CITY	DSGCON_STATE
DSGCON_ZIP	CB_TEL_NO	CBPC	MTCE_CONTACT	MTCE_TEL		
MTCE_EMAIL						
SITECON	SITECON_TEL					
SITECON_EMAIL						
IMPCON	IMPCON_TEL					
Jean Beurkens	9999999999					

- Required Fields on ACT=N**
- Billing:**
- ACNA
  - FUSF
  - VTA (Contractual)
  - PNUM (Contractual)
- Contact:**
- INIT
  - INITIATOR TEL
  - INIT EMAIL
  - DSGCON (See field note)
  - DSGCON TEL
  - IMPCON
  - IMPCON TEL

**DSGCON Field Note:**  
First and Last Name are required. A space is required between first and last name.

# SES Form – Switched Ethernet Services Section



ASR SES EVC NAI GEN.INFO

**SWITCHED ETHERNET SERVICES** [Optional | Conditional]

NC NCI SECNCI SR SBDW BUM BI  
KQA5 04LN9.1CT 04CX9.1CT --Select-- --Select--

ES HVP CI PROFE PROFI MSFS SM  
--Select-- --Select-- --Select--

LAG\_ID

LAG\_P MCLAG MCLAG\_ID MCLAG\_P WACD1  
--Select-- --Select-- --Select--

DIVCKT DIVPON

REMARKS

**Required Fields on ACT=N**

- NC
- NCI
- SECNCI

Please refer to the Switched Ethernet (Layer 2) NC/NCI/SECNCI & SPEC Codes job aid available from the Ethernet NC-NCI-SECNCI Job Aids page of the Frontier Wholesale Operations Website at: <https://wholesale.frontier.com/access-services/ethernet-ordering/ethernet-nc-nci-secnci-job-aids>.

For physical circuit available options:  
See Tab: E-Path-EPL-EVPL-EIA-Rate ADJ  
Filter SPEC (Column F): ETHACC

# SES Form – Switched Ethernet Services Location Section



- For additional assistance with this section, please refer to page 14 of the EIA COMBO - Ethernet Internet Access job aid.

SWITCHED ETHERNET SERVICES LOCATION SECTION [Optional   Conditional]					
CCEA				GETO	GBTN
				--Select--	
GCON	GTEL	IP_ADDRESS			
		111.111.111.28			
IPAI	SUBNET_MASK	PTV	ESP	OTC	
4	255.255.255.240				

**Required Fields on ACT=N**

- IP\_ADDRESS
- IPAI
- SUBNET\_MASK

# SES Form – Service Address Information & Detail Sections



SERVICE ADDRESS INFORMATION [Optional   Conditional]						
PI	EUNAME					
Y <input type="checkbox"/>	GLOBAL ENVIRONMENTAL PROD					
ADDRESS DETAIL [Required] <a href="#">Validate</a>						
AFT	SAPR	SANO	SASF	SASD		
--Select-- <input type="checkbox"/>	<input type="text"/>	5405	<input type="text"/>	--Select-- <input type="checkbox"/>		
SASN	SATH	SASS				
INDUSTRIAL	PKWY	--Select-- <input type="checkbox"/>				
LD1	LV1	LD2	LV2	LD3	LV3	
STE	A	FLR	1	<input type="text"/>	<input type="text"/>	
CITY	STATE	ZIP				
San Bernardino	CA	90407				
JK_CODE	JK_NUM	JK_POS	JS	SMJK	PCA	OFC
<input type="text"/>	<input type="text"/>	<input type="text"/>	D <input type="checkbox"/>	--Select-- <input type="checkbox"/>	<input type="text"/>	<input type="text"/>
SI	SPOT	ICOL				
--Select-- <input type="checkbox"/>	<input type="text"/>	<input type="text"/>				
LCON	ACTEL	AACTEL	ACPGN	ACPPN		
JEAN B	999999999	<input type="text"/>	<input type="text"/>	<input type="text"/>		
LCON_EMAIL	<input type="text"/>					
jean.beurkens@FTR.com						
ALCON	ALCON_TEL	AALCON_TEL				
Jean	999999999	<input type="text"/>				
ALCON_EMAIL	<input type="text"/>					
DOMAIN@FTR.COM						
ACC	WKTEL					
<input type="text"/>	<input type="text"/>					

- Required Fields on ACT=N**
- PI (Y)
  - EUNAME
  - SANO
  - SASN
  - CITY
  - STATE
  - ZIP
  - JS
  - LCON
  - ACTEL
  - LCON\_EMAIL
  - ALCON
  - ALCON\_TEL
  - ALCON\_EMAIL

**ALCON\_EMAIL must be formatted as DOMAIN@(customer domain)**  
**Example Domain@FTR.COM**  
**FTR.COM will be used for IP Justification**

# EVC Form – Ethernet Virtual Connection



ASR SES **EVC** NAI GEN.INFO

**ETHERNET VIRTUAL CONNECTION [Required]**

EVCNUM	NC	EVCID	NUT	OAM_IND
0001	VLP-		02	--Select--

SVP	MSFS	CEV_P	CEV_CP
--Select--		--Select--	--Select--

EVCKCR

EPS

## Required Fields on ACT=N

- EVCNUM (0001)
- NC
- NUT (02)

# EVC Form – Ethernet Virtual Connection UNI Mapping Detail

Add Section for UREF (02)

ASR SES **EVC** NAI GEN.INFO

**ETHERNET VIRTUAL CONNECTION UNI MAPPING DETAIL [ 1 ] [Optional | Conditional]**

Add : Copy : 1 Section(s) Remove Section

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

EVCSP	BUM_FD	RUID	RL	EVCMPID
			--Select--	

OTC	ASN	VPN_ACT	VPN_ID	VPN_NM
		--Select--		

## Required Fields on ACT=N

- UREF (01)
- AUNT (A)
- UACT
- NCI



# EVC Form – Ethernet Virtual Connection Level of Service Mapping



## EVC Form – Ethernet Virtual Connection Level of Service Mapping Detail [1]

ETHERNET VIRTUAL CONNECTION LEVEL OF SERVICE MAPPING DETAIL [ 1 ] [Optional | Conditional] [Add](#) : [Copy](#) :

LREF	LOSACT	LOS	SPEC	P_BIT	BDW	DSCP	TOS	CIR_I
1	N	BASIC			50M		111111	
CBS_I	EIR_I	EBS_I	CMI_I	BCF_I	P_BITC_I	P_BITC_E	PPCOS	
			--Select--	--Select--				

### Required Fields on ACT=N

- LREF (1)
- LOSACT
- LOS
- BDW
- TOS

## EVC Form – Ethernet Virtual Connection UNI Mapping Detail[2]

ETHERNET VIRTUAL CONNECTION UNI MAPPING DETAIL [ 2 ] [Optional | Conditional] [Add](#) : [Copy](#) : 1 section(s) [Remove Section\(s\)](#) : 1

UREF	EI	AUNT	UACT	RPON	NCI
02	--Select--	--Select--	N		02VLN.V
EVCSP	BUM_FD	RUID	RL	EVCMPID	
NEWINNICLLI		NEW	--Select--		
OTC	ASN	VPN_ACT	VPN_ID	VPN_NM	
		--Select--			

### Required Fields on ACT=N

- UREF (02)
- UACT
- NCI (see note)
- EVCSP (see note)
- RUID (see note)

**NCI:** Populate with '02VLN.V'  
**EVCSP:** Populate with 'NEWINNICLLI'  
**RUID:** Populate with 'NEW'

# EVC Form – Ethernet Virtual Connection Level of Service Mapping Detail



LREF	LOSACT	LOS	SPEC	P_BIT	BDW	DSCP	TOS	CIR_I	CBS_I	EIR_I	EBS_I	CMI_I	BCF_I	P_BITC_I	P_BITC_E	PPCOS
1	N	BASIC			50M							--Select--	--Select--			

Note: TOS in this section is PROHIBITED

- Required Fields on ACT=N**
- LREF (1)
  - LOSACT
  - LOS
  - BDW

# EVC Form – ECI Fields for IP Justification



- For additional assistance with these fields, please refer to pages 6 & 19 of the EIA COMBO - Ethernet Internet Access job aid. The IP Justification Usage Chart is also provided on the next slide.

<b>COMPANY SPECIFIC FIELD [ 1 ] [Optional]</b>	<b>Required Fields on ACT=N</b>	<a href="#">Remove Section</a>
ECI_NAME VPN	<ul style="list-style-type: none"><li>• ECI_NAME</li><li>• ECI_VALUE</li></ul>	To add section, click the Add link
ECI_VALUE 3		
<b>COMPANY SPECIFIC FIELD [ 2 ] [Optional]</b>	Repeat for each IP Usage Type – ECI_NAME to be populated with exact value as shown below.	Add : Copy : 1 Section(s) <a href="#">Remove Section(s) : 1</a>
ECI_NAME FIREWALL		To copy section, click the Copy link
ECI_VALUE 3		

## ECI\_NAME Values

- VPN
- FIREWALL
- COMPUTERS
- SERVERS
- WEB HOSTING
- VIRTUAL GAMING/TRAINING
- DSL

To delete section, click the Remove Section link

# IP Justification Usage



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	
					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 DSL <b>These values must be populated exactly as listed here</b>
/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		

See page 6: [EIA COMBO - Ethernet Internet Access](#)

# VFO Informational C/NR – IP Information Provided



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:

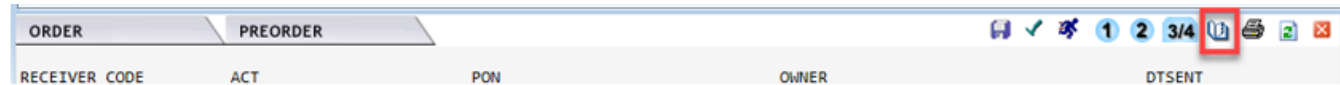
- LAN IP (IP INFO sent via separate email when IPAI equals M)
- WAN IP
- GATEWAY
- SUBNET
- FTR (Frontier IP Address)
- CXR (Customer IP)

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



From the ASR History Page, double click the PON to the left of Clarification Remarks. The PON is TEST in this example

TEST	01	SD	SN01	Completed	METROS_ADMIN	07/01/2019 10:32	auto	<a href="#">View XML</a>
<b>TEST</b>	01	SD	SN01	<b>Clarification Remarks</b>	METROS_ADMIN	07/01/2019 10:31	auto	<a href="#">View XML</a>
TEST	01	SD	SN01	Confirmed	METROS_ADMIN	06/25/2019 16:04	auto	<a href="#">View XML</a>

This will take you to the ASR Response – Clarification Remarks Page