# Verizon Global Wholesale Services

SES/TLS ENNI Ordering Guide Switched Ethernet Service/Transparent LAN Service External Network to Network Interface

#### SES/TLS ENNI Service Ordering Guide Overview

The information contained in this Ordering Guide provides the wholesale user with ASR ordering requirements for the product suite of the SES/TLS ENNI Services. Additional or new service offerings, as they become available through the access release schedule, will be updated as incremental versions.

Effective with the September 20, 2014 access release there is a new Industry SES Form specific to ASR ordering for all SES/TLS Services. The SES Form replaces the Transport Form previously used for SES/TLS ENNI service requests.

Each section within this guide is divided by the service/product type and its associated ASR ordering requirements.

Section 1: ENNI Port Only [Port Only with Common Collocation, Port Only with Extended Collocation, Port Only with POP – Point of Presence] Section 2: ENNI Packaged Port and Access [Port and Access with POP – Point of Presence]

TLS ENNI Services require regional ICSC Codes for ASR Ordering. The following ICSC entries are valid for the TLS

ENNI Service Types: NY01 NE01 CP88 PA70 NJ90 VW01 VE10 [Retail]

Detailed information relative to the product descriptions and the individual network attributes are provided in the Transparent LAN Service (TLS) Order Guide on the Access Ordering website via the following URL:

http://www22.verizon.com/wholesale/access/order/guide/detail/Transparent-LAN-Service-Order-Guide.html

Questions relative to the information in this ordering guide should be directed to:

VPS Ordering Helpdesk: https://www22.verizon.com/wholesale/clecsupport/contact\_orderrep.html

**Email**: VPSTauntonAccessHelpDesk@verizon.com (NY, MA, RI, NJ, MD, VA, DC)

\_ VPSPittsburghAccessHelpDesk@verizon.com (PA, DE)

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#### SES/TLS ENNI PRODUCT DIAGRAMS

Below are basic product diagrams for the SES/TLS ENNI Service configurations.

#### SES/TLS ENNI – Transparent LAN Service External Network to Network Interface Port Only SES/TLS ENNI – 1000 Mbps [1 Gbps]

TLS ENNI Port Only and the TLS ENNI Packaged Port and Access arrangements are the options that are currently offered for the ENNI.

In this model, the wholesale customer must either have collocated transport equipment in the ENNI Central Office or buy a Verizon Ethernet Private Line [EPL] service from their POP to the ENNI Central Office.

Port-only access arrangement for a 1G ENNI when customer is Collocated in the Same Serving Wire Center as the Verizon TLS Switch.



The above figure shows a Port Only access arrangement for a 1G ENNI in the Central Office. In this case, a NID is not provided; an intra-office jumper is used to cross connect between the COLO and the TLS switch.

Port-only access arrangement for a 1G ENNI when customer is not collocated in the Same Serving Wire Center as the Verizon TLS Switch.

Ext Colloc/POP



The above figure shows a Port Only access arrangement for a 1G ENNI Colloc that is not in the same Central Office as the TLS Switch, or a 1G ENNI POP that is in either the same Central Office or a different Central Office than the TLS Switch. In this case, a NID is not provided. Customer is required to order the access transport from their Extended Collocation or their Point of Presence POP on a separate ASR service request to Verizon as VzON or OWS access.

## SES/TLS ENNI - Transparent LAN Service External Network to Network Interface **Packaged Port and Access**

SES/TLS ENNI – 1000 Mbps [1 Gbps]

This option bundles the ENNI port with an access and transport solution, delivering the ENNI to the carrier's POP. This service type is designed to extend the scope of the managed service out to the customer's site, improving the overall scalability and reliability of the access arrangement.

Stand Alone Packaged [bundled] Port & Access arrangement for a 1G ENNI.



The above figure shows that a packaged/bundled port and access arrangement for a 1G ENNI includes a NID at the customer's POP. The NID is required for performance monitoring of the access services. In this case, Verizon provides the transport from the POP to the ENNI switch port.

# SES/TLS ENNI – Transparent LAN Service External Network to Network Interface Packaged Port and Access Link Aggregation [LAG]

SES/TLS ENNI - 1000 Mbps [1 Gbps]

Link Aggregation Packaged [bundled] Port & Access arrangement for a 2x1G ENNI.



The above figure shows that a packaged/bundled port and access arrangement for a 2x1G ENNI includes two NIDs at the customer's POP, connected together. The NIDs are required for performance monitoring of the access services. New NIDs are required for this arrangement. In this case, Verizon provides the transport from the POP to the ENNI switch port.

Ethernet SES/TLS ENNI offers wholesale customers the choice of two different service types for their domain – ENNI Port Only and ENNI Packaged Port and Access

- ENNI Port Only provides connectivity via a port reservation to the TLS Switch within a domain.
- ENNI Port Only is available from customer facilities that are:

Common Collocation: Customer collocation is in the same serving wire center as the Verizon TLS Switch

Extended Collocation: Customer collocation is in a different serving wire center than the Verizon TLS Switch

POP – Point of Presence: Customer POP is in the same or different serving wire center as/than the Verizon TLS Switch

- ENNI Port Only is available as a stand-alone circuit
- ENNI Packaged Port and Access service provides connectivity from the TLS Switch to the customer's POP as well as the access transport facilities to complete the connection [provides service similar to a UNI connection] within a domain.
- ENNI Packaged Port and Access is available as a stand-alone circuit or as a Link Aggregation [LAG] pair within a domain.

## FRAME FORMATTING ENNI SERVICES

ENNI circuits do not require frame formatting, as all ENNI Port Only and ENNI Packaged Port and Access services are offered as Premier, Tagged circuits.

#### SERVICE INTERVALS

# FIRM ORDER CONFIRMATION AND SERVICE INTERVALS – ENNI PORT ONLY AND ENNI PACKAGED PORT AND ACCESS

SES/TLS ENNI Service requests are eligible to be ordered as an expedited request [EXP field = Y] with the following exceptions.

ENNI Stand Alone 10G Service [EXP = BLANK]. ENNI 1G and 10G LAG Service [EXP = BLANK].

#### ALL FOC AND SERVICE INTERVALS ARE BUSINESS DAYS, NOT CALENDAR DAYS

## SES/TLS ENNI DIRECT TO FIRM – NEW ACTIVITY Below are the FOC and Standard Service Intervals for Direct to Firm ASRs

Service Type	ASR Activity	FOC Interval	Service Interval	Expedite Minimum Interval	Conditions
ENNI Port Only 1G	N = New	3 days	10 days	8 days	Facilities = YES
ENNI Port Only 10G	N = New	11 days	85 days	N/A	Facilities = YES
ENNI PP&A 1G	N = New	11 days	16 days	14 days	Facilities = YES
ENNI PP&A 10G	N = New	11 days	85 days	N/A	Facilities = YES
ENNI Port Only 1G	N = New	16 days	63 days	N/A	Facilities = NO Major build [2]
ENNI Port Only 10G	N = New	16 days	Negotiated[1]	N/A	Facilities = NO Major build [2]
ENNI PP&A 1G	N = New	16 days	63 days	N/A	Facilities = NO Major build [2]
ENNI PP&A 10G	N = New	16 days	Negotiated[1]	N/A	Facilities = NO Major build [2]
ENNI Port Only 1G	N = New	16 days	37 days	N/A	Facilities = NO Minor build [2]
ENNI Port Only 10G	N = New	16 days	Negotiated[1]	N/A	Facilities = NO Minor build [2]
ENNI PP&A 1G	N = New	16 days	37 days	N/A	Facilities = NO Minor build [2]
ENNI PP&A 10G	N = New	16 days	Negotiated[1]	N/A	Facilities = NO Minor build [2]

[1] ENNI Port Only 10G and ENNI Packaged Port & Access 10G

Standard Service Interval when facilities = N is Negotiated for 10G Services.

[2] Facilities = NO Major build and Minor build

Standard Service Interval when facilities = N is determined by Major or Minor Build conditions An informational C/NR is sent to the customer indicating a MAJOR or a MINOR build when facilities = N

#### MAJOR BUILD

Informational C/NR = Includes SES/TLS Verizon Switch and message: FACILITIES ARE NOT AVAILABLE. MAJOR BUILD. CONFIRMATION TO FOLLOW. Standard Service Interval = 63 business days for 1G Standard Service Interval = Negotiated for 10G

#### MINOR BUILD

Informational C/NR = Includes SES/TLS Verizon Switch and message: FACILITIES ARE NOT AVAILABLE. MINOR BUILD. CONFIRMATION TO FOLLOW. Standard Service Interval = 37 business days for 1G Standard Service Interval = Negotiated for 10G]

Additional descriptions for facilities = N for MAJOR or MINOR Build is Noted below:

MAJOR BUILD	Requires equipment and/or facilities to provide ordered service [e.g., nothing exists, adding fiber, fiber terminal equipment, and power].
MINOR BUILD	Infrastructure is in place, but engineering work orders are issued for minor build such as supporting equipment, cards for equipment and/or cabling work to provide ordered service. [e.g., Adding a shelf, LGX panel, reconfigure existing drops].

## SES/TLS ENNI DIRECT TO FIRM – CHANGE ACTIVITY Below are the FOC and Standard Service Intervals for Direct to Firm ASRs

Service Type	ASR Activity	FOC Interval	Service Interval	Expedite Minimum Interval	Conditions
ENNI Port Only 1G	C = change	3 days	5 days	5 days	ENNI is complete: qualifies for ACT C [1]
ENNI Port Only 10G	C = change	3 days	5 days	N/A	ENNI is complete: qualifies for ACT C [1]
ENNI PP&A 1G	C = change	3 days	5 days	5 days	ENNI is complete: qualifies for ACT C [1]
ENNI PP&A 10G	C = change	3 days	5 days	N/A	ENNI is complete: qualifies for ACT C [1]

[1] ENNI is complete: qualifies for ACT C - the following changes are not permitted on an ASR ACT of C ENNI/EVC Combination ASR

## SES/TLS ENNI DIRECT TO FIRM – RECORD ACTIVITY Below are the FOC and Standard Service Intervals for Direct to Firm ASRs

Service Type	ASR Activity	FOC Interval	Service Interval	Expedite Minimum Interval	Conditions
ENNI Port Only	R = Record	1 day	2 days	N/A	VTA or FUSF changes [1]
ENNI PP&A	R = Record	1 day	2 days	N/A	VTA or FUSF changes [1]

[1]1 VTA or FUSF changes - the following service requests are the only two permitted on an ASR ACT of R VTA change [term plan agreement]

FUSF change [Federal exemption]

#### SES/TLS ENNI DIRECT TO FIRM – DISCONNECT ACTIVITY Below are the FOC and Standard Service Intervals for Direct to Firm ASRs

Service Type	ASR Activity	FOC Interval	Service Interval	Expedite Minimum Interval	Conditions
ENNI Port Only	D = Disconnect	3 days	4 days	4 days	ENNI is complete
ENNI PP&A	D = Disconnect	3 days	4 days	4 days	ENNI is complete

#### ENNI PORT ONLY SECTION

This portion of the Ordering Guide is exclusive to the ENNI Port Only Service Type. The service attributes applicable to the ENNI Port Only Service Type are listed below in the SERVICE ELIGIBLITY Section.

### **ENNI PORT ONLY SERVICE**

ENNI [External Network to Network]

ENNI Port Only service provides port connectivity from a customer's network facility location to the TLS Switch. ENNI Port Only requests are available as COMMON COLLOCATION, EXTENDED COLLOCATION, or POP connections

ENNI Port Only services are available in speeds of 1G and 10G as a Stand Alone circuit ENNI Port Only services are NOT available as a Link Aggregated Pair [LAG]

## SERVICE ELIGIBILTY

ENNI Port Only services are eligible for:

- Point to Point EVC connections
- EVPLAN EVC connections
- Direct to Firm service requests
- Recommended or Preferred TLS Switch
- EVC connections to ERS Premier UNI or ERS Tunnel Access UNI circuits in the same customer domain/LATA
- ENNI/EVC Combination ASR
- Optical Interface [Single Mode handoff for all Port Speeds]
- TSP [Telecommunications Service Priority]
- Expedite requests [EXP field = Y] where permitted

## ENNI PORT ONLY ASR REQUIREMENTS [FIRM]

Below are the applicable screens for the ENNI PORT ONLY Direct Firm ASRs for the SD request types. ASOG fields and BAU fields are required in addition to the TLS ENNI product specific fields. Note 1: ASR Requirements for the ENNI/EVC Combination ASR include the screens and fields below and the additional EVC screens and fields following the ENNI ASR requirements.

ASR	ENTRY	NOTES	ACTIVITY TYPE
SCREEN FIELD			
ASR	THE FOLLOWING FIEL	LDS ARE REQUIRED ON THE ASR FORM	
CCNA	Customer CCNA	Customer Carrier Name Abbreviation	N-Required R-Required C-Required
			D-Required
TSP	Telecommunications Service Priority ID	<b>Telecommunications Service Priority</b> 12 character code required. $1^{st} - 9^{th}$ characters = TSP Control ID [computer generated number used for government tracking purposes]. $10^{th}$ character = a hyphen. $11^{th}$ and $12^{th}$ characters = the TSP Priority Code.	N-Optional R-Required if TSP present on CSR C-Required if TSP present on CSR D-N/A
REQ TYPE	SD	Requisition Type and Status SD = Network User. D in second position of REQ TYPE indicates a Firm	N-Required R-Optional C-Optional
EXP	Y or BLANK	request         Expedite         Expedite services are optional for ENNI services.         Expedite services are applicable for ENNI Port Only with         Common Collocation [Intra-Office Jumper Connection],         when COMMON COLLOCATION = Y         Valid values         Y = Yes for Expedite         BLANK = No expedite         NOTE 1: Prohibited for 10G ENNI service request.         NOTE 2: Prohibited when EDA field is populated.         NOTE 3: Prohibited when ENNI Port Only service is         EXTENDED Collocation or POP.	N-Optional for Stand-alone N-Prohibited for LAG & 10G R-N/A C-N/A D- N/A
EDA	Y or BLANK	<ul> <li>Early Date Acceptance</li> <li>Earlier due date permitted for UNI services.</li> <li>Valid values</li> <li>Y = Yes for Early Date Acceptance</li> <li>Populated when customer will accept an earlier due date if determined to be available by Verizon.</li> <li>BLANK = No for Early Date Acceptance</li> <li>NOTE 1: Prohibited when EXP field is populated.</li> </ul>	N-Optional R-N/A C-N/A D- N/A
BAN	N, E or Populated Valid BANS: M17 [Carrier] M18 [Retail] M59 [Corridor] M58 [SBC] M95 [Collocation]	Billing Account Number         N = New       E = Existing         Populated = Customer BAN $BAN = N$ Verizon ordering system sends customer billing data to wholesale billing system to create a new BAN $BAN = E$ Indicates an existing BAN: Verizon ordering system searches the wholesale billing system for an existing	N-Required R-Required C-Required D-Optional

ASR SCREEN	ENTRY	NOTES	ACTIVITY TYPE
FIELD			
BAN		customer BAN in the appropriate LATA. If an existing BAN	
		is found, it is populates in the BAN field.	
		Populated BAN:	
		Indicates a customer specific BAN. Verizon ordering system	
		validates the populated BAN in the wholesale billing	
		system. If the validation errors, the ordering system	
		the customer entered BAN with the valid BAN found in	
		billing, and sends an informational C/NR to the customer:	
		otherwise, the populated BAN is retained on the ASR.	
		Valid BANS:	
		The BAN Identifiers are unique to the SES/TLS Services.	
		The Area Code, the Billing Account Number, and the	
		Customer Code are configured as with other special	
ΟΤΥ	01	Quantity	N-Required
	•	Valid value	R-Required
		01 = Stand-alone ENNI	C-Required
			D-Required
ACTL	Customer	Access Customer Terminal Location	N-Required
	11 character CLLI	SD Request Type:	R-Required
			C-Required
CKR	Customer Circuit	Customer Circuit Reference	N-Optional
	Identifier	Customer internal identifier for the circuit ID in the	R-Optional
		customer network	C-Optional
			D-Optional
PIU	100	Percentage of Interstate Usage	N-Required
		Valid value	R-Required
			D-Prohibited
EVCI	B or BLANK	Ethernet Virtual Connection Indicator	N-Optional for
		Valid values	Stand-alone
		B = ENNI/EVC Combination ASR	R-Prohibited
		NOTE 1: B is the only valid entry and is required for	C-Prohibited
		ENNI/EVC COMDINATION ASK.	D-Optional
		Cenerales the LVO Ocleen rages	
		BLANK = Stand Alone ENNI ASR	
SEI	Y	Switched Ethernet Indicator	N-Required
		Valid value	R-Required
		Y = SEI Indicator is required for all SES/ILS ENNI service	C-Required
CNO	PLANK or	Case Number	D-Required
CINO	POPULATED	Custom Bid Case Number.	Stand-alone
			R-Prohibited
		Valid values	C-Prohibited
		BLANK = Customer BID Case # is not required for 10G	D-N/A
		ENNI Port Only requests.	
		POPULATED = Custom Bid Case #.	
		YYYY-6 digits	
		Example:	
		2014-123456	
RMKS	Optional	Remarks	N-Optional
		Additional information from customer	R-Optional
		Customer may indicate what is being ordered.	C-Optional M Optional
			D-Optional

ASR	ENTRY	NOTES	ACTIVITY TYPE
SCREEN			
		DS ARE REQUIRED IN THE ADMIN SECTION OF THE ASP	FORM
ACNA	Customer ACNA	Access Customer Name Abbreviation	N-Required
ACIA		Customer ACNA.	R-Required
			C-Required
			D-Required
FUSF	E or N	Federal Universal Service Fee	N-Required
		Valid values	R-Optional
		E = Exempt	C-Required
		N = Non-exempt	D-N/A
VIA	variable, 36, or 60	Valid values	N-Required
		Variable = non-standard contracted term [in months]	C-Required
		36 = 3 year term pricing plan	D-N/A
		60 = 5 year term pricing plan	
PNUM	FB Contract ID	Promotion Number	N-Required
		Customer private carriage term plan agreement	R-Optional
		Example: FB1234567	C-Required
			<u>D-N/A.</u>
SES	THE FOLLOWING FIEL	LDS ARE REQUIRED ON THE SWITCHED ETHERNET SERV	
NC	Network Channel	Network Unannel Lode	N-Required
		See ENNET ON ONLY ASIA ONCE MAIN JOB AD 2	C-Required
			D-N/A
NCI	Network Channel	Network Channel Interface Code	N-Required
	Interface	See ENNI Port Only ASR Order Matrix JOB AID 2	R-Optional
			C-Required
			D-N/A.
SECNCI	Secondary Network	Secondary Network Channel Interface Code	N-Required
	Channel Interface	See ENNI Port Only ASR Order Matrix JOB AID 2	R-Optional
			C-Required
ESP	BLANK or CLU	Ethernet Service Point	N-Optional
		Valid values	R-Optional
		BLANK = No preferred Switch - Verizon to assign	C-Optional
			D-N/A
		CLLI = CLLI [11 characters]: Customer preferred TLS	
		Switch	
		NOTE 1: There is no "C" populated prior to the GLLI for the	
		LOF HEIU. LIEVEN CHARACTERS ONLY.	
		NOTE: This field replaces the SECLOC field previously	
		available on the Transport ASR form for TLS Switch CLLI	
		entry.	
RMKS	Optional	Remarks	N-Optional
		Additional Customer Information	R-Optional
			C-Optional
			D-Optional

ASR	ENTRY	NOTES	ACTIVITY TYPE				
THE FOLLO	OWING ASR SCREENS A	ARE GENERATED WHEN EVCI FIELD IS POPULATED WITH	B [EVCI = B]				
THE FOLLOW	ING DATA IS REQUIRED	ON THE FIRST EVC SCREEN FORM FOR AN ENNI/EVC CO	OMBINATION ASR				
	EVCI FIELD ON ENNI ASR PAGE = B						
EVC	THE FOLLOWING FIEI	_DS ARE REQUIRED ON THE EVC01 FORM					
EVC NUM	Numeric sequence	Ethernet Virtual Connection Reference Number	N-Required				
	Example: 0001	Customer EVC number:	R-Prohibited				
		Identifies a unique customer provided number associated	C-Prohibited				
		with the Ethernet Virtual Connection.	D-Required				
NC	Network Channel		N-Required				
		See EVC Point to Point ASR Order Matrix JOB AID 7	R-Prohibited				
		prohibited	D-Conditional				
EVCID	BLANK or	Ethernet Virtual Connection Identifier	N-N/A				
	POPULATED	Valid values	R-Prohibited				
		BLANK	C-Prohibited				
		ASR ACT = N	D-Required				
		Verizon ordering system generates the EVCID.					
		The EVCID is provider assigned.					
		ΡΟΡΙ ΙΙ ΔΤΕΩ – ΔΟΤ Β					
		EVCID Example: 32.VLXP.111111.NY					
		EVCID is required when a customer submits an ENNI/EVC					
		Combo ASR to disconnect a physical circuit and the					
		associated virtual circuit.					
NUT	02	Number of UNI/ENNI Terminations	N-Required				
			C-Prohibited				
		02 = ASR ACT = N 02  or BLANK = ASR ACT = D	R-Pronibited				
			D-Optional				
		ASR ACT = N					
		Value of 02 indicates Point to Point EVC.					
		Required and reflects the number of UNI/ENNI termination					
		occurrences affected by the ENNI/EVC service request.					
		ASR ACT = D					
		Value of 02 indicates Point to Point EVC.					
		NOTE 1: Population is Optional.					
		When NUT field is populated with 02, other required fields					
		In the UNI Mapping Detail Section must be populated.					
		When NI IT field is BLANK then no other fields in the LINI					
		Mapping Detail Section are required.					
EVCCKR	Customer Circuit	Ethernet Virtual Connection Customer Circuit	N-Optional				
	Identifier	Reference	R-Prohibited				
		Identifies the customer circuit ID of the Ethernet Virtual	C-Pronibited				
UREF	01	User Network Interface [UNI/ENNI] Reference Number	N-Required				
	01	Identifies the reference number associated to the	R-Prohibited				
		UNI/ENNI port for which EVC mapping requirements are	C-Prohibited				
		applied.	D-Optional				
		UNI/ENNI Reference information for first circuit					
		AOT AOT = N 01-EVC Page 1					

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ASR	ENTRY	NOTES	ACTIVITY TYPE
SCREEN			
FIELD			
UREF		U2-EVC Page 2 NOTE 1: The total quantity of LIPEEs must equal the value	
		in the NUT field: each UREF field is numeric and	
		incremental from the previous UREF entry.	
		ASR ACT = D	
		01-EVC Page 1 02-EVC Page 2	
		NOTE 1: When NUT field is populated with 02, then UREF	
		and other fields in the UNI Mapping Detail Section are	
		required on EVC Page 1.	
		When NUT field is BLANK, then no UREF field entry is	
ΔΗΝΤ	Δ	Associated UNI/ENNI Termination	N-Required
AGIN		AUNT field represents the pending ENNI circuit information	R-Prohibited
		ordered on the ENNI/EVC combination ASR.	C-Prohibited
			D-Prohibited
		NOTE 1: AUNT field = A is required when the EVCI = B on	
		the ENNI/EVC combination ASR and the associated RUID	
		1 and other required fields in the UNI Mapping Detail	
		Section on EVC Page 1 are BLANK.	
		populated represents the attributes of the ENNI circuit	
		being ordered on the combination ASR.	
UACT	N, D or K	User Network Interface [UNI/ENNI] Activity Indicator	N-Required
		Identifies the activity that is taking place at the ENNI	R-Prohibited
		EVC	C-Pronibited
		Valid values	K- Conditional
		N = New/Add	
		D = Disconnect	
		K = Cancel	
		ASR ACT = N	
		UACT = N when NUT field = 02	
		ASR ACT = D LIACT entry is not required unless other information in the	
		UNI Mapping Detail Section is populated on EVC Pg 1.	
		UACT = K:	
		Entry of K is not permitted on initial issuance of an EVC	
		request. This entry is only valid on a SUPP to cancel.	
NCI	Network Channel	Network Channel Interface Code	N-Required
	Interface	See EVC Point to Point ASR Order Matrix JOB AID 7	R-Prohibited
		ASR ACT = N	D-Optional
		NCI Code references the Frame Format of the ENNI circuit	
		populated in RUID 1 field on EVC Page 1 or the NCI Code	
		of the pending $\exists$ NNI circuit when the AUNI field = "A".	
		ASR ACT = D	
		NCI Code is not required unless other information in the	
		UNI Mapping Detail Section is populated on EVC Page 1.	

ASR SCREEN	ENTRY	NOTES	ACTIVITY TYPE
EVCSP	TLS ENNI Port Switch CLLI	Ethernet Virtual Connection Switch Point Identifies the Ethernet switching point, in CLLI code format, at the ENNI termination. Valid values BLANK POPULATED ASR ACT = N	N-Optional R-Prohibited C-Prohibited D-Optional
		NOTE 1: Identifies the TLS Switch CLLI associated to the ENNI circuit populated in the RUID 1 field on EVC Page 1. Optional when the associated UREF field is populated and the AUNT field = BLANK. NOTE 2: When AUNT field = "A", the Verizon ordering system populates the EVCSP field associated to the new ENNI circuit being provisioned on the combination ASR. NOTE 3: Verizon ordering system validates customer EVCSP entry [if POPULATED] against current Customer Service Record of the ENNI. If the data retrieved is different from customer provided CLLI, the ordering system overlays the customer provided EVCSP CLLI with the Verizon system CLLI and sends an informational C/NR to the customer.	
		ASR ACT = D NOTE 1: When NUT field is populated with 02, then EVCSP and other fields in the UNI Mapping Detail Section are required on EVC Page 1. When NUT field is BLANK then no EVCSP field entry is required in the UNI Mapping Detail Section on EVC Pg 1.	
RUID	Example: 32.SXGS.123456NY	Related UNI/ENNI Identifier Identifies TLS ENNI Circuit ID for EVC connection, populated in CLS ID format. When EVCI = B the conditions for population of the RUID 1 field are as follows:	N-Conditional R-Prohibited C-Prohibited D-Optional
		ASR ACT = N This field is conditional and references the 1 <sup>st</sup> ENNI circuit that the EVC is being mapped from [RUID 1]. NOTE 1: Population of RUID 1 field is required when the AUNT field = BLANK. Population of the RUID 1 field is prohibited when the AUNT field is populated. NOTE 2: For Point-to-Point EVCS, one RUID field must be populated. NOTE 3: Only one occurrence of AUNT = A can be present on an ENNI/EVC Combination ASR.	
		ASR ACT = D This field is optional. NOTE 1: When the NUT field = BLANK, the RUID 1 and other fields in the UNI Mapping Detail Section are not required on EVC Page 1. NOTE 2: When the NUT field is populated. the RUID 1 and other fields on the UNI Mapping Detail Section are required on EVC Page 1	

ASR SCREEN FIELD	ENTRY	NOTES	ACTIVITY TYPE
LREF	Example: LREF 1 LREF 2 LREF 3	Level of Service Reference Number Identifies the Level of Service Reference Number Each LREF line carries the required information for the Level of Service and Bandwidth associated to the EVC connection. ASR ACT = N NOTE 1: When a single Level of Service and single Bandwidth is requested all customer data is input on LREF 1. When multiple Levels of Service and multiple Bandwidth configurations are being requested, each one is listed on a subsequent LREF line [LREF 2 and LREF 3]. NOTE 2: LREF data populated on EVC Page 1 must be the same data populated on EVC Page 2 ASR ACT = D This field is optional. NOTE 1: When the NUT field = BLANK, the LREF and other fields in the UNI Mapping Detail Section are not required on EVC Page 1. NOTE 2: When the NUT field is populated. the LREF and other fields on the UNI Mapping Detail Section are required on EVC Page 1	N-Required R-Prohibited C-Prohibited D-Optional
LOSACT	N, D, or K	Level of Service Activity Indicator Identifies the activity for the level of service as part of the EVC configuration. See EVC Activity Table JOB AID 8 for valid LOSACT activities Valid values N = New/Add D = Disconnect K = Cancel ASR ACT = N N = New is required when the associated LREF field is populated ASR ACT = D Optional D = Disconnect is required when the NUT field = 02, and LREF field is populated. Then LOSACT entry of D and other fields in the UNI Mapping Detail Section are required on EVC Page 1. When the NUT field = BLANK and the LREF field is not populated, then no LOSACT field entry is required in the UNI Mapping Detail Section on EVC Page 1. LOSACT = K K = Cancel is only allowed on a SUPP.	N-Required R-Prohibited C-Prohibited D-Optional
LOS	BASIC, PD, RT	Level of Service Name Identifies a name for a provider-defined level of service performance associated with the Ethernet product offering. See EVC Point to Point Levels of Service and Bandwidth Combinations Table JOB AID 9	N-Required R-Prohibited C-Prohibited D-Optional

ASR	ENTRY	NOTES	ΑCTIVITY TYPE
SCREEN FIELD			
LOS		Valid values	
		RT = REAL TIME	
		ASR ACT = N	
		NOTE 1: One entry is permitted per LREF line for	
		ENNI/ EVC requests	
		dependent on RUID Service Type [Multiple LOS].	
		NOTE 3: Required when LOSACT field is populated.	
		NOTE 4: Required when BDW field is populated.	
		ASR ACT = D	
		Optional NOTE 1: When NUT field is populated with 02, and	
		LOSACT field is populated, then LOS entry and other fields	
		in the UNI Mapping Detail Section are required on EVC	
		When NUT field is BLANK and the LOSACT field is not	
		populated, then no LOS field entry is required in the UNI	
BDW		Mapping Detail Section on EVC Page 1.	N Required
BBM		Identifies the bandwidth rate defined by the Level of	R-Prohibited
		Service. Data and is a numeric entry in megabits only.	C-Prohibited
		See EVC Point to Point Levels of Service and Bandwidth	D-Optional
		ASR ACT = N	
		ENNI/EVC requests	
		NOTE 2: More than one entry per LREF section is	
		dependent on RUID Service Type [Multiple LOS].	
		NOTE 4: Required when LOS field is populated.	
		ASR ACT = D	
		Optional	
		NOTE 1: When NUT field = 02, and LOS field is populated,	
		Section are required on EVC Page 1.	
		When NUT field = BLANK and the LOS field is not	
		Mapping Detail Section EVC Page 1.	
REMARKS	Optional	Remarks	N-Optional
		Additional information from customer	R- Prohibited
			D-Optional
PG_of_	Pageof	Identifies the page number and total number of pages	System
		EXAMPLE:	generaleu.
		PG 0 0 1 of 0 0 2	

ASR	ENTRY	NOTES	ACTIVITY TYPE
THE FOLLOW	ING DATA IS REQUIRE	D ON THE SECOND EVC SCREEN FORM FOR AN ENNI/EV	C COMBINATION
	Α	SR EVCI FIELD ON ENNI ASR PAGE = B	
EVC	THE FOLLOWING FIEI	LDS ARE REQUIRED ON THE EVC02 FORM	
EVC NUM	Numeric sequence Example: 0001	Ethernet Virtual Connection Reference Number Data must be the same as populated on EVC Page 1	N-Required R-Prohibited C-Prohibited
NC	Network Channel	<b>Network Channel Code</b> Data must be the same as populated on EVC Page 1	N-Required R-Prohibited C-Prohibited D-Conditional
EVCID	BLANK or POPULATED	Ethernet Virtual Connection Identifier Data must be the same as populated on EVC Pg 1	N-N/A R-Prohibited C-Prohibited D-Required
NUT	02	Number of UNI/ENNI Terminations Data must be the same as populated on EVC Page 1	N-Required R-Prohibited C-Prohibited D-Optional
EVCCKR	Customer Circuit Identifier	Ethernet Virtual Connection Customer Circuit Reference Data must be the same as populated on EVC Page 1	N-Optional R-Prohibited C-Prohibited D-Optional
UREF	02	User Network Interface [UNI/ENNI] Reference Number: Identifies the reference number associated to the UNI port for which EVC mapping requirements are applied. UNI/ENNI Reference information for second circuit [RUID 2] ASR ACT = N 01-EVC Page 1 02-EVC Page 2 NOTE 1: The total quantity of UREFs must equal the value in the NUT field; each UREF field is numeric and incremental from the previous UREF entry. ASR ACT = D 01-EVC Page 1 02-EVC Page 2 NOTE 2: When NUT field is populated with 02, then UREF and other fields in the UNI Mapping Detail Section are required on EVC Page 2. When NUT field is BLANK, then no UREF field entry is required in the UNI Mapping Detail Section on EVC Page 2	N-Required R-Prohibited C-Prohibited D-Optional
AUNT	A	Associated UNI/ENNI Termination AUNT field represents the pending ENNI circuit information ordered on the ENNI/EVC combination ASR. Valid value A = ASR ACT = N NOTE 1: AUNT field = A is required when the EVCI = B on the ENNI/EVC combination ASR and the associated RUID 2 and other required fields in the UNI Mapping Detail Section on EVC Page 2 are BLANK. NOTE: If AUNT field is populated with an "A" on EVC01 Page for UREF01 information, then the AUNT field on the EVC02 page for the UREF02 information must be BLANK.	N-Required C-Prohibited R-Prohibited D-Prohibited

ASR	ENTRY	NOTES	ACTIVITY TYPE
SCREEN FIELD			
UACT	N, D or K	User Network Interface [UNI/ENNI] Activity Indicator Data must be the same as populated on EVC Pg 1	N-Required R-Prohibited C-Prohibited D-Optional K-Conditional
NCI	Network Channel Interface 	Network Channel Interface Code See EVC Point to Point ASR Order Matrix JOB AID 7. ASR ACT = N NCI Code references the Frame Format of the UNI circuit populated in RUID 2 field on EVC Page 2 or the NCI Code of the pending ENNI circuit when the AUNT field = "A". ASR ACT = D NCI Code is not required unless other information in the UNI Mapping Detail Section is populated on EVC Page 2.	N-Required R-Prohibited C-Prohibited D-Optional
EVCSP	TLS UNI or ENNI Port Switch CLLI	Ethernet Virtual Connection Switch Point Identifies the Ethernet switching point, in CLLI code format, at the UNI/ENNI termination. ASR ACT = N NOTE 1: Identifies the TLS Switch CLLI associated to the UNI/ENNI circuit populated in the RUID 2 field on EVC Page 2. Optional when the associated UREF field is populated and the AUNT field = BLANK. NOTE 2: When AUNT field = "A", the Verizon ordering system populates the EVCSP field associated to the new ENNI circuit being provisioned on the combination ASR. NOTE 3: Verizon ordering system validates customer EVCSP entry [if POPULATED] against current Customer Service Record of ENNI. If data retrieved is different from customer provided CLLI, the ordering system overlays the customer provided EVCSP CLLI with the Verizon system CLLI and sends informational C/NR to the customer.	N-Optional R-Prohibited C-Prohibited D-Optional
RUID	Example: 32.KFGS.123123NY	NOTE 1: When NUT field is populated with 02, then EVCSP and other fields in the UNI Mapping Detail Section are required on EVC Page 2. When NUT field is BLANK then no EVCSP field entry is required in the UNI Mapping Detail Section on EVC Page 2. <b>Related UNI/ENNI Identifier</b> Identifies TLS UNI or ENNI Circuit ID for EVC connection, populated in CLS ID format. When EVCI = B the conditions for population of the RUID 2 field are as follows: ASR ACT = N RUID 2 must be the second UN or /ENNI to which the EVC is being mapped NOTE 1: Population of RUID 2 field is required when the AUNT field = BLANK. Population of the RUID 2 field is prohibited when the AUNT field is populated. NOTE 2: For Point-to-Point EVCS, one RUID field must be populated. NOTE 3: Only one occurrence of AUNT = A can be present on an ENNI/EVC Combination ASR.	N-Conditional C-Prohibited R-Prohibited D-Optional

ASR SCREEN	ENTRY	NOTES	ACTIVITY TYPE
RUID		ASR ACT = D This field is optional. NOTE 1: When the NUT field = BLANK, the RUID 2 and other fields in the UNI Mapping Detail Section are not required on EVC Page 2. NOTE 2: When the NUT field is populated the RUID 2 and other fields on the UNI Mapping Detail Section are required on EVC Page 2	
LREF	Example: LREF 1 LREF 2 LREF 3	Level of Service Reference Number Data must be the same as populated on EVC Page 1	N-Required R-Prohibited C-Prohibited D-Optional
LOSACT	N, D, or K	Level of Service Activity Indicator Data must be the same as populated on EVC Page 1.	N-Required R-Prohibited C-Prohibited D-Optional
LOS	BASIC, PD, RT	Level of Service Name Data must be the same as populated on EVC Page 1.	N-Required R-Prohibited C-Prohibited D-Optional
BDW	EXAMPLE: 10M	Bandwidth Data must be the same as populated on EVC Page 1.	N-Required R-Prohibited C-Prohibited D-Optional
REMARKS	Optional	Remarks Additional information from customer	N-Optional R-Prohibited C-Prohibited M-Prohibited D-Optional
PG_of_	Pageof	Identifies the page number and total number of pages contained in the EVC transaction EXAMPLE: PG 0 0 2 of 0 0 2	System generated

SCM

#### JOB AID 2

#### ENNI PORT ONLY ASR ORDER MATRIX NC/NCI/SECNCI & SPEC CODE \* SMF = SINGLE MODE FIBER

SERVICE DESCRIPTION NC NCI SECNCI SPEC

1G – Existing/Embedded Base	SNH1	*02CXF.N1G	02QBF.K02	N/A	SXGS
1G – New for C-Tag	SNH1	02CXF.AG2	02QBF.K02	N/A	SXGS
1G – New for S-Tag	SNH1	02CXF.AG1	02QBF.K02	N/A	SXGS
10G – Existing/Embedded Base	SNH2	*02CXF.NXG	02QBF.K02	N/A	SXGS
10G – New for C-Tag	SNH2	02CXF.AGY	02QBF.K02	N/A	SXGS
10G – New for S-Tag	SNH2	02CXF.AGX	02QBF.K02	N/A	SXGS

Column 1: Service Description

Column 2: NC Code = Network Channel Code of Port

Column 3 : NCI Code = Primary Network Channel Interface

Column 4 : SECNCI Code = Secondary Network Channel Interface of Port

Column 5 SPEC Code N/A

Column 6: SR = Special Routing N/A

## 1G ENNI NCI:

- 1. \*02CXF.N1G grandfathered for ASR Activity of N
- 2. \*02CXF.N1G permitted for ASR Activity of R, C, and D [embedded base only]
- 02CFX.AG2 required on all ASR Activity of N for 1G ENNI Port Only orders with C-Tag option (outer tag is C-tag) 02CXF.AG1 required on all ASR Activity of N for 1G ENNI Port Only orders with S-Tag option (outer tag is S-tag)
- 4.

#### 5. 10G ENNI NCI:

- 6. \*02CXF.NXG grandfathered for ASR Activity of N
- 7. \*02CXF.NXG permitted for ASR Activity of R, C, and D [embedded base only]
- 02CFX.AGY required on all ASR Activity of N for 10G ENNI orders with C-Tag option (outer tag is C-tag) 02CXF.AGX required on all ASR Activity of N for 10G ENNI orders with S-Tag option (outer tag is S-tag)

## ENNI PORT ONLY SERVICE CODE & MODIFIER

NC CODE	SERVICE CODE & MODIFIER	EXAMPLE
SNH1, SNH2	SXGS	36.SXGS.123456CD

#### ENNI PORT ONLY ASR EXHIBITS

Below are ASR Exhibits for the ENNI Port Only Services.

## ASR EXHIBIT #1 INSTALL 1 GBPS ENNI PORT ONLY WITH IAOJ [INTRA OFFICE JUMPER] COMMON COLLOCATION = Y [YES] 60 MONTH TERM PRICING PLAN, REQUEST TYPE = SD [POP TERMINATION]

<b>CUSTOMER PROVIDED FIELDS</b>	
SYSTEM GENERATED FIELDS	

Access	Access Service Request [ASR]												
CCNA	POI	1		VER	IC	SC	STAT	rus	CUF	RENT N	IODE		
ABC	EN	II-1G-CO	LLOC	AA	N	E01			Viev	<i>N</i> Only			
CC		UNE			SPEC	;	TSP		ReqType	SD	SRN	SEI Y	
ACT	Ν	DDD	CUST	DDD	FDT		Sup		EXP	_	EDA		
QSA	_	BAN	617 M1	7-XXXX	CUS	XXX	LTP		RTR	F			
Cust	Ľ	%I Sent	MM/DD	D/YY TIME			ISC		Qty1	000000	1		
LA	L	A Name	DOTM	LA	A Dated	DOTAN	AFO			Unit			
	0	ACIL	B211/1			B21MM				128		400	
					ECCKI	95.SX	3 <b>5.123</b> 4	56NE	JPR		EVCI	ASG	
	100			Datad	VV 51			nnlicah			EVCI		
Droject	F							hhican	CCVN				
NOP					1		CRD						
NON					,	RS4		I NI	001	FRA			
	,	PSI		PSLL		CNO		TNT					
	WST	1.05		1 021	ISTN	0110				2/1	V7B		
	FNI				FNT			RFNI			CFNI		
	SAN				AFG	;		SPA					
	BIC				BIC Tel						BICID		
REMARK	S Optio	nal for c	ustome	r informati	on – In	stall 1G	ENNI Po	ort with	jumper co	nnectio	n		
Adminis	strative I	nformat	tion [AD	DM]									
	ACNA	ABC			TE		FUSF	E			EBP		
В	ill Name	ABC				SBil	l Name	BILLIN	IG MGT				
	Street	100 M/	AIN ST				Floor				Room		
	City	ANYTO	OWN				State	MA		<b>_</b>	Zip	XXXXX	
Bill	Contact	ACCES	SS BILL	MGR Te	INO	999-999-	9999-88	88888	Bill	Contact	Email		
	VIA	60		V(			IWBAN						
	MICE	APC	45/7	MICEI	el No	999 999-	9999			MICE	Email		
0''	PNUM	FB123	4567		P2D		LOB						
Circuit li	niormat	ion		T	Ne	000.000	0000.00	00000		In: 14 E 1	Na		
Ini	INIT It Email	JUHIN	JUE	(E)	LINO	<del>777-777</del> -	7777-88	88888		INIT Fax	NO		
DSG	Contact		OF	TF	l No	999_999_	0000-88	88888	Г	SG Fay		000_000	
DSC	G Fmail	Sonneb		S	treet	100 MAI	V ST	00000	L	Flr	or		
50	Room	E171		0	City	ANYTOV	VN		State	MA	Zip XX	ххх	
IMP C	Contact	TECH C		r TEI	LNo	999 999	9999				F		
	D/T Rec	MM/DD	YYY TIN	ле ЛЕ	DRC				FDRC				
CB	TEL NO			С	BPC								

Switched E	thernet Serv	ice Request [S	SES]						
CCNA	PON	VER	ICSC	STATUS	CUR	RENT MC	)DE		
ABC	ENNI-1G-CO	LLOC AA	NE01		View	Only			
Circuit Deta	ails								
NC PROFE	SNH1 NCI	02CXF.N1G	SECNCI 02QBF.K	( <mark>02</mark> SR Rofi	SBDW	BUM	BI	ES	
LAG-ID	)		LAG-P						
DIVCKT	-			DIVPON					
Location									
CCE	A HB2L0/LG	S/15/CMBRMAX	X/CMBRMAXXHXX						
GET	0	GBTN	GCON		GTE	EL			
IP ADDRES	S		IPAI	S	<b>UBNET MAS</b>	К			
ES	P CLLI [TLS	SWITCH]		OT	С				
SECLOC LS	O 617XXX		SECLOC SWC	BSTNMA)	KXDXX				
Service Op	tions								
REMARKS									

#### ASR EXHIBIT #2 INSTALL 10 GBPS ENNI PORT ONLY WITH EXTENDED COLLOCATION COMMON COLLOCATION = N [NO] 60 MONTH TERM PRICING PLAN TRANSPORT ORDER – ORDERED SEPARATELY BY THE CUSTOMER

Access Service Request [ASR]	
CCNA PON VER ICSC STATUS	CURRENT MODE
ABC ENNI-1G-EXTCOL AA NE01	View Only
CC UNE SPEC TSP ReqTyp	De SD SRNSEI Y
ACT N DDD CUST DDD FDT Sup	EXP EDA
QSA BAN 617 M17-XXXX CUS XXX LTP	RTR F
Cust D/T Sent MM/DD/YY TIME ACTI TSC	Qty1 0000001
LA LA Name LA Dated AFO	LAG Unit
C ACTL BSTNMAXXHXX APOT BSTNMAXXHXX	LATA 128
CKR Customer CKR ECCKT 95.SXGS.123456NE	JPR ASG
PIU 100 PLU WSI LUP	TQ EVCI
ALBR AGAUTH Dated NMB Applicable	
Project PPTD RPON NAG	CCVN
NOR RORD AENG CBD	
ASC-EC QNAI BSA LNI	FBA
PSL PSLI CNO INI	QA
WSI ISIN	VZB
FNI FNI RFNI	CENI
SAN AFG SPA	BIOD
BIL BIL IEI	BICID
Administrative Information [ADM]	
ACNA ABC IE FUSF E	EBP
BIII Name ABC SBIII Name BILLING	MGI
Street 100 MAIN ST Floor	Room
City ANYTOWN State MA	
BIII CONTACT ACCESS BILL MGR TELNO 999-999-999-8888888	Bill Contact Email
MICE APC MICE IEINO 999 999-9999	MICE Email
PNUM FB1234567 PSD LUB	
	Init Fay No
ITTIL JUHN DUE TEL NU 999-9999-88888888	
	DSC Eax No. 000 000 0000
DSG CUIIIdali JUTIN DUE I EL INU 377-379-3999-888888888 DSG Email Stroat 100 MAIN ST	Eloor
	Ctate MA Zin XXXXX
IMP Contact TECH ON DUTY TEL No 000 000 0000	
	FDRC
CB TEL NO CBPC	

Switched Ethernet Service Request [SES]											
CCNA	PON	٧	/ER	ICSC	STAT	US	CUR	RENT MO	DE		
ABC	ENNI-1G-EX	TCOL /	AA	NE01			Viev	v Only			
Circuit Deta	ails										
NC PROFE	SNH2 NC	02CXF.N	VXG	SECNCI 02QBF	<mark>k02</mark> ROFI	SR	SBDW	BUM	BI	ES	
LAG-ID	)			LAG-P							
DIVCKT	-				DIV	PON					
Location											
CCE Get IP Addres	A O S	GBTN	l	GCON IPAI	l	SU	GT BNET MAS	EL SK			
ES	P BSTNMAP	O16W			(	DTC					
SECLOC LS	O 617XXX			SECLOC SWC	BST	NMAPC	DXX				
Service Op	tions										
REMARKS											

#### ASR EXHIBIT #3 INSTALL 1 GBPS ENNI PORT ONLY WITH POP LOCATION COMMON COLLOCATION = N [NO] 24 MONTH VARIABLE TERM PRICING PLAN TRANSPORT ORDER – ORDERED SEPARATELY BY THE CUSTOMER

Access	Service	Reques	st [ASR]									
CCNA	PON			VER	ICS	SC	STAT	US	CUF	RRENT N	IODE	
ABC	ENN	II-1G-PO	P	AA	N	E01			Vie	w Only		
CC		UNE			SPEC		TSP		ReqType	SD	SRN	SEI Y
ACT	Ν	DDD	CUST [	DDD	FDT		Sup		EXP		EDA	
QSA		BAN	617 M17	7-XXXX	CUS	XXX	LTP		RTR	F		
Cust	C	/T Sent	MM/DD	/YY TIME	ACTI		TSC		Qty1	000000	1	
LA	L	A Name		LA	Dated		AFO		LAG	Unit		
С		ACTL	BSTNM	AXXW01	APOT	BSTNM	AXXWO	11	LATA	128		
CKR	Custon	her CKR			ECCKT	95.SXG	S.1234	56NE	JPR			ASG
PIU	100	PLU			WSI		LUP		. TQ		EVCI	
ALBR	A	GAUTH		Dated			NMB A	pplicat	ole			
Project		PPTD		RPON			NAG		CCVN			
NOR		RURD		AENG			CRD		CCI	<b>ED</b> 4		
		ASC-EC		QNAI		BSA				FBA		
	WCT	PSL		PSLI	ICTN	CNO		INI		QA	1/70	
	WSI										VZB	
								REINI			CENI	
	SAN							SPA				
REMARK	S Ontic	nal for (	rustome	r informat	ion _ In	stall 1G	FNNI P	ort to P	OP locatio	n	DICID	
Adminis	trative	nformat	tion [AD	M]		Stair TO				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	ACNA	ABC	•	•	TF		FUSE	F			FBP	
Bi	ill Name	ABC				SBill	Name	BILLI	NG MGT		LD.	
	Street	100 M	AIN ST				Floor				Room	
	Citv	ANYTO	OWN				State	MA			Zip	XXXXX
Bill	Contact	ACCES	SS BILL	MGR Te	I No 🧕	99-999-9	999-88	88888	Bill	Contact	Email	
	VTA	24		VC	VTA	IV	VBAN					
	MTCE	APC		MTCE T	el No 🕚	999 999-9	9999			MTCE	Email	
	PNUM	FB123	4567		PSD		LOB					
Circuit Ir	nformat	ion										
	Init	JOHN [	DOE	TEL	No 9	99-999-9	999-888	88888		Init Fax	No	
Ini	t Email											
DSG C	Contact	JOHN C	OE	TEI	No	999-999-9	9999-88	88888	Ε	DSG Fax	No 999	999-9999
DSC	G Email			St	reet 1	00 MAIN	I ST			Flo	or	
	Room	E171			City 🦊	ANYTOW	/N		State	MA	Zip XX	XXX
IMP C	Contact	TECH C	ON DUTY	' TEL	No 9	999 999-9	999					
[	D/T Rec	MM/DD	YYY TIM	IE I	DRC				FDRC			
CB 1	TEL NO			C	BPC							

Switched Ethernet Service Request [SES]										
CCNA	PON	VER	ICSC	STA	rus	CURF	RENT MO	DE		
ABC	ENNI-1G-POP	AA	NE01			View	Only			
Circuit Deta	ails									
NC PROFE	SNH1 NCI	02CXF.N1G	SECNCI 02QB	<sup>-</sup> . <mark>K02</mark> PROFI	SR	SBDW	BUM	BI	ES	
LAG-IE	)		LAG-P							
DIVCKT	Г			DIV	PON					
Location										
CCE	A HB2L0/LGS/	15/CMBRMAXX	(/CMBRMAXXHX)	(						
GET	0	GBTN	GCO	N		GTE	EL			
IP ADDRES	S		IPA	J	SUB	NET MAS	K			
ES	P CLLI [TLS S	NITCH]			OTC					
SECLOC LS	O 617XXX		SECLOC SW	C BST	NMAXXE	XX				
Service Op	tions									
REMARKS										

#### ASR EXHIBIT #4 INSTALL 1 GBPS ENNI PORT ONLY WITH POP LOCATION COMMON COLLOCATION = N [NO] WITH 50M BASIC POINT TO POINT EVC 24 MONTH VARIABLE TERM PRICING PLAN TRANSPORT ORDER – ORDERED SEPARATELY BY THE CUSTOMER

SYSTEM	CUSTOMER PROVIDED FIELDS SYSTEM GENERATED FIELDS											
Access	Service	Reques	st [ASR]									
CCNA	PON		VE	२	ICS	SC	STAT	US	CUF	RENT N	IODE	
ABC	ENN	II-1GEV	C AA		NE	01			Viev	<i>N</i> Only		
CC		UNE		SF	PEC		TSP		ReqType	SD	SRN	SEI Y
ACT	Ν	DDD	CUST DDD	F	DT		Sup		EXP		EDA	
QSA		BAN	617 M17-XX	XX C	US	XXX	LTP		RTR	F		
Cust	D	/T Sent	MM/DD/YY	rime ac	TI		TSC		Qty1	000000	1	
LA	L	A Name		LA Da	ted		AFO		LAG	Unit		
C	<b>.</b> .	ACTL	BSTNMAXX	W01 AP	OT	BSTNM	AXXWO	)1	LATA	128		
CKR	Custom	er CKR		ECC	KI.	95.SXG	iS.1234	56NE	JPR			ASG
PIU	100	PLU		、 V	VSI		LUP		. 10		EVCI	В
ALBR	A	GAUIH	L	Dated				pplicat				
Project			ŀ									
NOR							CRD		LLI	ED A		
	ŀ	ASC-EC PSL		2NAI PSLI		CNO		TNT		гва QA		
	WST			l	STN						VZB	
	FNI			F	NT			RFNI			CFNI	
	SAN			ŀ	١FG			SPA	L .			
	BIC			BIC	Tel						BICID	
REMARK	S Optio	nal for o	customer info	ormation	- Ins	stall 1G	ENNI P	ort to P	OP locatio	on with 5	50M EVO	
Adminis	strative li	nformat	tion [ADM]									
	ACNA	ABC		TI	Ξ		FUSF	E			EBP	
В	ill Name	ABC				SBill	Name	BILLIN	IG MGT			
	Street	100 M	AIN ST				Floor				Room	
	City	ANYTO	)WN		_		State	MA		<u> </u>	Zip	XXXXX
Bill	Contact	ACCES	SS BILL MGR		9	99-999-9	1999-88	88888	Bill	Contact	Email	
		24	МТ				WBAN			мтог	Cue all	
		APC ED102			יט	99 999-9				MICE	Email	
Circuit Ir	nformati	on	4307	гэ	<u> </u>		LUB					
Shoulth	Init		OF	TEL No	9	99-999-0	000-88	88888		Init Fax	No	
Ini	it Email								· · · · ·			
DSG (	Contact	JOHN C	OE	TEL No	, 9	99-999-9	9999-88	88888	D	SG Fax	No 999	999-9999
DSC	G Email			Street	1	00 MAIN	IST			Flo	oor	
	Room	E171		City	A	NYTOW	N		State	MA	Zip <mark>XX</mark>	ХХХ
IMP C	Contact	TECH C	N DUTY	TEL No	9	<mark>99 999</mark> -9	999					
[	D/T Rec	MM/DD	/YY TIME	DRC	;				FDRC			
CB	TEL NO			CBPC	;							

Switched E	Switched Ethernet Service Request [SES]									
CCNA	PON	VER	ICSC	STA	TUS	CURR	ENT MO	DE		
ABC	ENNI-1GEVC	AA	NE01			View C	Only			
Circuit Deta	ails									
NC PROFE	SNH1 NCI	02CXF.N1G	SECNCI 02QBF	. <mark>K02</mark> Profi	SR SE	BDW	BUM	BI	ES	
LAG-II	)		LAG-P							
DIVCKT	Г			DIV	'PON					
Location										
CCE	A HB2L0/LGS	(15/CMBRMAX)	(/CMBRMAXXHX)	(						
GET	0	GBTN	GCO	N		GTEI	-			
IP ADDRES	S		IPA		SUBNE	et mask				
ES	P CLLI [TLS S	SWITCH]			OTC					
SECLOC LS	O 617XXX	-	SECLOC SW	C BS1	rnmaxxdx	K				
Service Op	tions									
REMARKS										

Ethernet	Virtual Connection	on [EVC]				
CCNA	PON	VER	ICSC	STATUS	CURREN	IT MODE
ABC	ENNI-1GEVC	AA	NE01		View On	ly
Ethernet	Virtual Connection	on Detail Se	ction			
EVC NUM EVCCKR	0001 N	C VLP-	EVC CLS	ID 95.VLXP.44	4444NE	NUT 02 SVP
<b>UNI</b> Mapp	oing Detail Sectio	n				
UREF 01	ei aunt <mark>a</mark>	UACT N	RPON NCI	02VLN.VP	L2CP EVCSP	SWITCH CLLI RUID 1
VACT	CE-VLAN 001	VACT	CE-VLAN	VACT CE-VL	AN VACT	CE-VLAN
VACT	CE-VLAN	VACT	CE-VLAN	VACT CE-VL	AN VACT	CE-VLAN
VACT	CE-VLAN	VACT	CE-VLAN			
RUID 9	5.SXGS.123456N	E	R/L S-VAC	t S-VLAN	S-VACT S-VLAN	S-VACT S-VLAN
EVCMPI	D	C	TC			
ALT OR	D					
LREF	1 LOSACT N	LOS <mark>BA</mark>	SIC SI	PEC P-BIT	BDW 50M	DSPC TOS
LREF	LOSACT	LOS	SI	PEC P-BIT	BDW	DSPC TOS
LREF	LOSACT	LOS	SI	PEC P-BIT	BDW	DSPC TOS
LREF	LOSACT	LOS	SI	PEC P-BIT	BDW	DSPC TOS
LREF	LOSACT	LOS	SI	PEC P-BIT	BDW	DSPC TOS
REMARKS	Optional for cust	omer inform	ation		01	I OF 02

Ethernet	Ethernet Virtual Connection [EVC]									
CCNA	PON	VER	ICSC	STAT	TUS	CURRENT MO	DE			
ABC	ENNI-1GEVC	AA	NE01			View Only				
Ethernet	Virtual Connection	n Detail Se	ction							
EVC NUM EVCCKR	00021 N	C VLP-	EVC CLS	S ID 95.VL	XP.444444N	IE NUT	02 SVP			
<b>UNI</b> Mapp	ing Detail Sectior	1								
UREF 02	ei aunt	UACT N	RPON NCI	02VLN.VF	D L2C	P EVCSP <mark>SW</mark>	ITCH CLLI RUID 2			
VACT	CE-VLAN 0015	VACT	CE-VLAN	VACT C	CE-VLAN	VACT C	E-VLAN			
VACT	CE-VLAN	VACT	CE-VLAN	VACT C	CE-VLAN	VACT C	E-VLAN			
VACT	CE-VLAN	VACT	CE-VLAN							
RUID 9	5.KFGS.222222NE		R/L S-VAC	T S-VLAN	S-VAC	r S-Vlan S-	VACT S-VLAN			
EVCMPI	D	0	TC							
ALT OR	D									
LREF	1 LOSACT N	LOS BA	SIC S	PEC P	P-BIT BDW	50M D	SPC TOS			
LREF	LOSACT	LOS	S	PEC P	P-BIT BDW	/ D	SPC TOS			
LREF	LOSACT	LOS	S	PEC P	P-BIT BDW	D D	SPC TOS			
LREF	LOSACT	LOS	S	PEC P	P-BIT BDW	/ D	SPC TOS			
LREF	LOSACT	LOS	S	PEC P	P-BIT BDW	/ D	SPC TOS			
REMARKS	Optional for custo	mer informa	ation			02 OF 0	2			

#### ENNI PORT ONLY ADDITIONAL INFORMATION AND ASR EXHIBITS SUBSEQUENT ACTIVITY REQUESTS

Below are additional ASR Ordering examples for SES/TLS ENNI Port Only Activity subsequent to an initial ASR Activity of N.

#### ASR ACTIVITY OF C

There are multiple fields a customer is permitted to change on an ASR Activity of C. The change activities that are presently permitted and automated are listed below:

- Customer Circuit Identifier [CKR field]
- Forbearance Contract ID [PNUM field]
- TSP for TLS Services [TSP field]

ASR Activity of C generates a one-time Non-recurring charge to the customer's bill for each UNI change request.

#### ASR EXHIBIT #5 CHANGE TO ADD TSP TO EXISTING CIRCUIT 1 GBPS ENNI

	CUSTOMER PROVIDED FIELDS SYSTEM GENERATED FIELDS										
Access	Service	Reques	st [ASR]								
CCNA	PON		VER	2	CSC	STA	TUS	CUR	RENT MOD	E	
ABC	ENN	I-TSPCH	G AA		NE01			View	v Only		
CC		UNE	-	SPE	С	TSP	TSP12345	A-11 R	eqType SC	) S	RN SEI <mark>y</mark>
ACT	С	DDD	CUST DDD	FD	т	Sup		EXP	E	DA	
QSA		BAN	617 M17-XXX	(X CU	s xxx	LTP		RTR	F		
Cust	D	/T Sent	MM/DD/YY T	IME ACT	1	TSC		Qty1	0000001		
LA	L	A Name		LA Date	d	AFO		LAG			
Unit	С	ACTL	BSTNMAXX	W01 APO	Т			LATA	128		
CKR	Custom	er CKR		ECCK	(T 95.SX	GS.1234	56NE	JPR			ASG
PIU	100	PLU		WS	SI	LUP		TQ	E١	VCI	
ALBR	A	GAUTH	D	ated		NMB A	Applicable				
Project		PPID	R	PON		NAG		CCVN			
NOR		RORD	P	LENG		CRD		CCI			
	P	ASC-EC	(	2NAI	BS	A			FBA		
	WCT	PSL	ŀ	<u>'SLI</u>		)	INI		<u>Q</u> A		
	WSI			121	N IT		DEMI		V	ZB	
	FINI						SDA		CF	INI	
					d d		SPA		DIC	חוי	
	S Ontio	nal for a	suctomor info	mation		to ovict	ing circuit		DI	JU	
Adminic	s opilo	aformat	ion [ADM]		Auu 13r	IU EXISI	ing circun	L			
Auminis				тг		FUEF	-		F		
		ABC		IE	CD	FUSF		MOT	E	ВΡ	
В	III Name				2B		BILLING	IVIGI	Dec		
	Sireet					FIUUI	N/A		RUC	JIII 7in	vvvvv
Dill	Contact			Tol No	000 000			Dill	Contact Em	ZIP	~~~~
DIII		AUCES			999-999	-9999-00 IM/RAN	00000	DIII		Idli	
	MTCE		МТ		000 000	0000			MTCE Em	lic	
		FR123	4567		777 777	LOR				an	
Circuit	nformati	0n		1.50		LOD					
onculti	Init		OF	TEL No	999_999	-9999-88	88888		nit Fax No		
In	it Fmail	5011112	02	122110			00000				
DSG (	Contact	JOHN D	OE	TEL No	999-999	-9999-88	888888	D	SG Fax No	999	999-9999
DS	G Email		-	Street	100 MA	IN ST		-	Floor		
	Room	E171		City	ANYTO	WN		State	MA Zip	ΧХХ	XX
IMP (	Contact	TECH C	N DUTY	TEL No	999 999	-9999					
	D/T Rec	MM/DD	/YY TIME	DRC				FDRC			
CB	TEL NO			CBPC							

Switched Ethernet Service Request [SES]										
CCNA	PON	VER	ICSC	STAT	US	CURR	RENT MO	DE		
ABC	ENNI-TSPCHG	AA	NE01			View	Only			
Circuit Deta	ails									
NC PROFE	SNH1 NCI 0	2CXF.N1G	SECNCI 02QBF	. <mark>K02</mark> Profi	SR	SBDW	BUM	BI	ES	
LAG-IE	)		LAG-P							
DIVCKT	-			DIV	PON					
Location										
CCE Get IP Addres	A O S	GBTN	GCON IPAI	J	SU	gte Bnet mas	EL K			
ES	P BSTNMAXX16	W	ОТО	;						
SECLOC LS	O 617XXX		SECLOC SWO	BST	NMAXX	DXX				
Service Op	tions									
REMARKS										

## ENNI PACKAGED PORT AND ACCESS SECTION

This portion of the Ordering Guide is exclusive to the ENNI Packaged Port and Access Service Type. The service attributes applicable to the ENNI Packaged Port and Access Service Type are listed below in the SERVICE ELIGIBLITY Section.

## ENNI PACKAGED PORT AND ACCESS SERVICE

ENNI [External Network-to-Network Interface]

ENNI Packaged Port and Access service provides port and access connectivity from a customer's network facility location to the TLS Switch.

ENNI Packaged Port and Access requests are only ordered to a customer POP connection ENNI Packaged Port and Access ENNIs are available in speeds of 1G and 10G. ENNI Packaged Port and Access ENNIs are eligible to be ordered as a Link Aggregated Pair [LAG]

## SERVICE ELIGIBILITY

ENNI Packaged Port and Access ENNIs are eligible for:

- Point to Point EVC connections
- EVPLAN EVC connections
- Direct to Firm service requests
- Recommended or Preferred TLS Switch
- EVC connections to ERS Premier UNI and ERS Tunnel Access UNI circuits in the same customer domain/LATA
- ENNI/EVC Combination ASR
- PING the NID
- Optical Interface [Single Mode handoff for all Port Speeds]
- TSP [Telecommunications Service Priority]
- Expedite requests [EXP field = Y] where permitted
- ENNI LAG Services [Link Aggregation] for 1G and 10G Port speeds. LAG Services require a Custom BID Case # [populated in the CNO ASR field]

## ENNI PACKAGED PORT AND ACCESS ASR REQUIREMENTS [FIRM]

Below are the applicable screens for the ENNI PACKAGED PORT AND ACCESS Direct Firm ASRs for the SD request types.

ASOG fields and BAU fields are required in addition to the TLS enni product specific fields. Note 1: ASR Requirements for the ENNI/EVC Combination ASR include the screens and fields below and the additional EVC screens and fields following the ENNI ASR requirements.

ASR	ENTRY	NOTES	ACTIVITY TYPE
SCREEN			
FIELD			
ASR	THE FOLLOWING FIE	LDS ARE REQUIRED ON THE ASR FORM	
CCNA	Customer CCNA	Customer Carrier Name Abbreviation	N-Required
			R-Required
			C-Required
			D-Required
SPEC	ERSNPA or	Service and Product Enhancement Code	ERSNPA
	TLSMLGE	Valid values	N-Prohibited for
			LAG
		ASK AUT = N, K, U, D	N-Required for
		Port & Access requests as of May 2014	D Doguirod
		T OIL & ACCESS TEQUESIS as OF Way 2014.	C-Required
		ASR ACT = R C D $[OTY = 02]$	D-Required
		ERSNPA: ENNI Packaged Port and Access-ERS Premier	Dirtoquirou
		Network Interface TLS ENNI	TI SMI GE
		NOTE: ERSNPA is grandfathered for ASR ACT = N for	N-Prohibited for
		LAG [Link Aggregation] as of May 2014.	Stand-alone
		ERSNPA is permitted on existing LAG pair circuits for	N-Required for
		subsequent ASR Activity ordered with the ERSNPA when	LAG
		the $QTY = 02$ .	R-Required
			C-Required
		ASR ACT = N, R, C, D	D-Required
		TLSMLGE: ENNI Packaged Port and Access-ERS Premier	
		Network Interface TLS ENNI LAG.	
		NOTE: ILSMLGE is required for ASR ACT = N for LAG	
		[Link Aggregation] and is required on subsequent ASR	
		Activity for LAG circuits ordered with the TLSIVILGE SPEC.	
		Access requests as of May 2014	
TSP	Telecommunications	Telecommunications Service Priority	N-Ontional
	Service Priority ID	12 character code required.	R-Required if TSP
		$1^{st} - 9^{th}$ characters = TSP Control ID [computer generated	present on CSR
		number used for government tracking purposes].	C-Required if TSP
		10 <sup>th</sup> character = a hyphen.	present on CSR
		$11^{m}$ and $12^{m}$ characters = the TSP Priority Code.	D-N/A
REQ TYPE	SD	Requisition Type and Status	N-Required
		SD = Network User.	R-Optional
		D in second position of REQ TYPE indicates Firm request	C-Optional
			D-N/A
EXP	Y OF BLANK	Expedite	N-Optional for
		Expedite services are optional and conditional for ENNI	Stand-alone
		Packaged Port & Access Services	
		V – Ves for Expedite	LAG & TUG D N/A
		RI ANK - No expedite	$\Gamma_{N/A}$
		NOTE 1. Prohibited for 10G ENNI service request	$D = N/\Delta$
		NOTE 2: Prohibited when EDA field is populated	
		NOTE 3: Prohibited when ENNI service request is LAG.	

ASR	ENTRY	NOTES	ACTIVITY TYPE
SCREEN			
FIELD			
EDA	Y or BLANK	Early Date Acceptance	N-Optional
		Earlier due date permitted for ENNI services.	R-N/A
			C-N/A
		Valid values	D- N/A
		Y = Yes for Early Date Acceptance	
		Populated when customer will accept an earlier due date if	
		determined to be available by Verizon.	
		,	
		BLANK = No for Early Date Acceptance	
		NOTE 1: Prohibited when EXP field is populated.	
BAN	N. E or Populated	Billing Account Number	N-Required
	,	N = New	R-Required
	Valid BANS:	E = Existing	C-Required
	M17 [Carrier]	Populated = Customer BAN	D-Optional
	M18 [Retail]		
	M59 [Corridor]	BAN = N	
	M58 [SBC]	Verizon ordering system sends customer billing data to	
	M95 [Collocation]	wholesale billing system to create a new BAN	
		BAN = E	
		Indicates an existing BAN: Verizon ordering system	
		searches the wholesale billing system for an existing	
		customer BAN in the appropriate LATA. If an existing BAN	
		is found, it is populates in the BAN field.	
		Populated BAN:	
		Indicates a customer specific BAN: Verizon ordering system	
		validates the populated BAN in the wholesale billing	
		system. If the validation errors, the ordering system	
		retrieves an existing BAN from the billing system, replaces	
		the customer entered BAN with the valid BAN found in	
		billing, and sends an informational C/NR to the customer:	
		otherwise, the populated BAN is retained on the ASR.	
		Valid BANS:	
		The BAN Identifiers are unique to the SES/TLS Services.	
		The Area Code, the Billing Account Number, and the	
		Customer Code are configured as with other special	
		access services.	
QTY	01 or 02	Quantity	N-Required
		Valid values	R-Required
		01 = Stand-alone	C-Required
		Stand Alone ENNI – Quantity of 01 required when ENNI is	D-Required
		a stand-alone circuit.	•
		02 = LAG ENNI	
		LAG ENNI – Quantity of 02 required when ENNI is a LAG	
		Service Request and LAG field = N.	
AFO	BLANK or Y	Additional Forms	N-Required
		Valid values	R-N/A
		BLANK = Customer is not ordering LAG.	C-N/A
		NOTE 1: AFO must be BLANK when QTY = 01	D-N/A
		Y in 1 <sup>st</sup> position of field = Customer is ordering LAG	
		NOTE 2: AFO must be Y in 1 <sup>st</sup> position of field when QTY =	
		02 for Link Aggregation	
LAG	BLANK or N	Link Aggregation Group	N-Required
		Valid values	R-N/A
		BLANK = Customer is not ordering LAG.	C-N/A
		NOTE 1: LAG must be BLANK when QTY = 01	D-N/A
		N = Customer is ordering LAG.	
		NOTE 2: LAG must be $\tilde{N}$ when QTY = 02	

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ASR	ENTRY	NOTES	ΑCTIVITY TYPE
SCREEN FIELD			
ACTL	Customer	Access Customer Terminal Location	N-Required
	11 character CLLI	11 character CLLI code of customer POP location.	R-Required
		ACTE carried be conocated	D-N/A
CKR	Customer Circuit	Customer Circuit Reference	N-Optional
	Identiner	customer internal identilier for the circuit ID in the	R-Optional
			D-Optional
PIU	100	Percentage of Interstate Usage	N-Required
		Valid value	R-Required
		100	C-Required
EVCI	B or BLANK	Ethernet Virtual Connection Indicator	N-Optional for
		Valid values	Stand-alone
		B = ENNI/EVC Combination ASR	N-Prohibited for
		ENNI/EVC Combination ASR	R-Prohibited
		Generates the EVC Screen Pages	C-Prohibited
			D-Optional
		BLANK = Stand Alone ENNI ASR or ENNI LAG	
		ENNI LAG is not eligible for the ENNI/EVC Combination	
		ASR	
SEI	Y	Switched Ethernet Indicator	N-Required
		Valid Value Y – SEL Indicator is required for all SES/TLS ENNI service	R-Required
		requests.	D-Required
CNO	BLANK or	Case Number	N-N/A for
	POPULATED	Custom Bid Case Number	Stand-alone
		Valid values	LAG
		BLANK = Custom BID Case # is no longer required for 10G	R-Prohibited
		ENNI Stand-alone service requests [SPEC = ERSPNA].	C-Prohibited
		and 10G ENNI LAG service requests [SPEC = TLSMLGE].	D-IN/A
		NOTE: Customer must attend a pre-planning session with	
		Verizon for 1G and 10G ENNI LAG Services.	
		Format:	
		YYYY-6 digits	
		Example: 2014-123456	
RMKS	Optional	Remarks	N-Optional
		Additional information from customer	R-Optional
		Customer may indicate what is being ordered.	C-Optional
		Example. To ENNI Fackaged Fort & Access Circuit	D-Optional
ADM	THE FOLLOWING FIE	LDS ARE REQUIRED IN THE ADMIN SECTION OF THE ASR	FORM
ACNA	Customer ACNA.	Access Customer Name Abbreviation	N-Required
		Cusiomer ACNA.	R-Required
			D-Required
FUSF	E or N	Federal Universal Service Fee	N-Required
		Valid values	R-Optional
		E = Exempt	D-N/A

ASR	ENTRY	NOTES	ACTIVITY TYPE
SCREEN			
FIELD	Verieta 00 er 00	Veriable Terms Armsensent	N. D. and instal
VIA	Variable, 36, or 60	Variable Term Agreement	N-Required
		Variable = non-standard contracted term [in months]	C-Required
		36 = 3 year term pricing plan	D-N/A
		60 = 5 year term pricing plan	
PNUM	FB Contract ID	Promotion Number	N-Required
		Example: FB1234567	C-Required
			D-N/A.
SES	THE FOLLOWING FIE	LDS ARE REQUIRED ON THE SWITCHED ETHERNET SERV	ICE FORM
NC	Network Channel	Network Channel Code	N-Required
		JOB AID 5	R-Optional C-Required
			D-N/A.
NCI	Network Channel	Network Channel Interface Code	N-Required
	Interface	See ENNI Packaged Port and Access ASR Order Matrix	R-Optional
		JOB AID 5	C-Required D-N/A
SECNCI	Secondary Network	Secondary Network Channel Interface Code	N-Required
	Channel Interface	See ENNI Packaged Port and Access ASR Order Matrix	R-Optional
		JOB AID 5	C-Required
I AG-P	AA AS BLANK	Link Aggregation Group Protection	D-N/A.
		Valid values	N-AS Required
		AA = Active/Active	R-Optional
		Entry of AA is permitted when ASR SPEC = ERSNPA, the	C-AA or AS
		QTY = 02, and ASR ACT = R, C, or D. Entry of AA is prohibited when ASP SPEC – ERSNDA and	Required
		ASR ACT = N.	
		AS = Active/Standby	
		Entry of AS is required when ASR SPEC = ILSMLGE, LAG	
		Entry of AS is only permitted when ASR SPEC =	
		TLSMLGE for all subsequent Activities when TLSMLGE	
		SPEC is present on CSR.	
		LAG-P field is BLANK when LAG is not being ordered and	
		QTY field = 01	
IP ADDRESS	Example:	Internet Protocol Address	N-Optional
	123.52.156.8	IP ADDRESS is an optional service offering.	R-Prohibited
		changing IP Address.	C-Required when
			IP exists on CSR
			D-N/A
IPAI	4	Internet Protocol Address Identifier	N-Optional R-Prohibited
		Valid value = 4	C-Optional
		Entry required from customer when ordering PING the NID	C-Required when
		or changing IP Address or Subnet Mask Address	IP exists on CSR
SUBNET	Example:	Subnet Mask	D-N/A N-Optional
MASK	456.55.156.9	SUBNET MASK Address is an optional service offering.	R-Prohibited
		Entry required from customer when ordering PING the NID	C-Optional
		or changing Subnet Mask Address.	C-Required when
			D-N/A

ASR	ENTRY	NOTES	ΑCTIVITY TYPE
SCREEN			
FIELD			
ESP	BLANK or CLLI	Ethernet Service Point	N-Optional for
		Valid Values	Stand-alone
		NOTE 1: ESP field must be BLANK for ENNLLAG service	I AG
		requests. Customer preferred TLS Switch not permitted for	R-Optional for
		ENNI LAG service requests	Stand-alone
		CLLI = CLLI [11 characters] Customer preferred TLS	R-Prohibited for
		Switch.	LAG
		NOTE 1: There is no "C" populated prior to the CLLI for the	C-Optional for
		EST field. Eleven characters only.	C-Prohibited for
		NOTE: This field replaces the SECLOC field previously	LAG
		available on the Transport ASR forms for TLS Switch CLLI	D-N/A
		entry	
RMKS	Optional	Remarks	N-Optional
			R-Optional
			D-Optional
THE FOLLO	WING ASR SCREENS	ARE GENERATED WHEN EVCI FIELD IS POPULATED WITH	B [EVCI = B]
THE FOLLOWI	NG DATA IS REQUIRED	ON THE FIRST EVC SCREEN FORM FOR AN ENNI/EVC CO	OMBINATION ASR
		EVCI FIELD ON ENNI ASR PAGE = B	
EVC		Page 1 of 2 for Point to Point EVC	
	Numeric sequence	Ethernet Virtual Connection Reference Number	N-Required
	Example: 0001	Customer EVC number:	N-Prohibited for
		Identifies a unique customer provided number associated	LAG
		with the Ethernet Virtual Connection.	R-Prohibited
			C-Prohibited
			D-Required
			LAG
NC	Network Channel	Network Channel Code	N-Required
		See EVC Point to Point ASR Order Matrix JOB AID 7.	N-Prohibited for
		Required when NUT field is populated, otherwise	LAG D. Drahihitad
		prohibited.	R-Pronibited
			D-Conditional
			D-Prohibited for
			LAG
EVCID	BLANK or	Ethernet Virtual Connection Identifier	N-N/A
	POPULATED		R-Prohibited
		ASR ACT = N	D-Required
		Verizon ordering system generates the EVCID.	D-Prohibited for
		The EVCID is provider assigned.	LAG
		POPULATED = ACTD EVCID Example: 32 VLXP 111111 NV	
		EVCID Example: 32.VEX	
		Combo ASR to disconnect a physical circuit and the	
		associated virtual circuit.	
NUT	02	Number of UNI/ENNI Terminations	N-Required
			N-Prohibited for
		UZ = ASK AUT = N 0.2  or BLANK = ASR ACT = D	LAG C-Prohibited
		$\nabla z$ of Dennix - Aoix Aoi - D	R-Prohibited
		ASR ACT = N	D-Optional
		Value of 02 indicates Point to Point EVC.	D-Prohibited for
		Required and reflects the number of UNI/ENNI termination	LAG

ASR	ENTRY	NOTES	ACTIVITY TYPE
NUT		occurrences affected by the service request.	
		Value of 02 indicates Point to Point EVC.	
		NOTE 1: Population is Optional.	
		When NUT field is populated with 02, other required fields	
		BLANK	
		When NUT field is BLANK then no other fields in the UNI	
EVCCKR	Customer Circuit	Ethernet Virtual Connection Customer Circuit	N-Optional
	Identifier	Reference	N-Prohibited for
		Identifies the customer circuit ID of the Ethernet Virtual	LAG R-Prohibited
			C-Prohibited
			D-Optional
			D-Prohibited for
UREF	01	User Network Interface [UNI/ENNI] Reference Number:	N-Required
		Identifies the reference number associated to the	N-Prohibited for
		applied.	R-Prohibited
			C-Prohibited
		IRUID 11	D-Optional D-Prohibited for
		ASR ACT = N	LAG
		01-EVC Page 1 02-EVC Page 2	
		NOTE 1: The total quantity of UREFs must equal the value	
		in the NUT field; each UREF field is numeric and	
		Incremental from the previous UREF entry.	
		ASR ACT = D	
		01-EVC Page 1 02-EVC Page 2	
		NOTE 1: When NUT field is populated on ASR ACT = D	
		with 02, then UREF and other fields in the UNI Mapping	
		When NUT field is BLANK on ASR ACT = D, then no	
		UREF field entry is required in the UNI Mapping Detail	
AUNT	A	Associated UNI/ENNI Termination	N-Required
		AUNT field represents the pending ENNI circuit information	N-Prohibited for
		ordered on the ENNI/EVC combination ASR.	LAG R-Prohibited
		Valid value	C-Prohibited
		A = ASR ACI = N NOTE 1: AUNT field = A is required when the EV/CI = B on	D-Prohibited D-Prohibited for
		the ENNI/EVC combination ASR and the associated RUID	LAG
		1 and other required fields in the UNI Mapping Detail	
		The information on the EVC page where the AUNT field is	
		populated represents the attributes of the ENNI circuit	
UACT	N Dor K	being ordered on the combination ASR.	N-Required
	,	Identifies the activity that is taking place at the UNI	N-Prohibited for
		termination point, and references the activity type of the	LAG R-Prohibited
		Valid values	C-Prohibited

ASR	ENTRY	NOTES	ACTIVITY TYPE
		N - New/Add	D-Ontional
UAUT		D = Disconnect	D-Prohibited for
		K = Cancel	LAG
			K- Conditional
		ASR ACT = N	
		UACT = N WHEN NOT HEID = 02	
		ASR ACT = D	
		UACT entry is not required unless other information in the	
		UNI Mapping Detail Section is populated on EVC Pg 1.	
		K usage is conditional.	
		Entry of K is not permitted on initial issuance of an EVC	
		request. This entry is only valid on a SUPP to cancel.	
NCI	Network Channel	Network Channel Interface Code	N-Required
	Interface	See EVC Point to Point ASR Order Matrix JOB AID 7	N-Prohibited for
		ASR ACT = N	R-Prohibited
		NCI Code references the UNI/ENNI circuit populated in	C-Prohibited
		RUID 1 field on EVC Pg 1 or the NCI Code of the pending	D-Optional
		ENNI circuit when the AUNT field = "A".	D-Prohibited for
		ASR ACT - D	LAG
		NCI Code is not required unless other information in the	
		UNI Mapping Detail Section is populated on EVC Pg 1.	
EVCSP	TLS ENNI Port	Ethernet Virtual Connection Switch Point	N-Optional
	Switch CLLI	Identifies the Ethernet switching point, in CLLI code format,	N-Prohibited for
		at the EININI termination.	LAG R-Prohibited
		ASR ACT = N	C-Prohibited
		NOTE 1: Identifies the TLS Switch CLLI associated to the	D-Optional
		ENNI circuit populated in the RUID 1 field on EVC Page 1.	D-Prohibited for
		Optional when the associated UREF field is populated and	LAG
		NOTE 2: When ALINT field = "A" the Verizon ordering	
		system populates the EVCSP field associated to the new	
		ENNI circuit being provisioned on the combination ASR.	
		NOTE 3: Verizon ordering system validates customer	
		EVCSP entry [if provided] against current Customer	
		from customer provided CLLL the ordering system overlays	
		the customer provided EVCSP CLLI with the Verizon	
		system CLLI and sends an informational C/NR to the	
		customer.	
		ASR ACT - D	
		NOTE 1: Prohibited when NUT field is populated with 02.	
		then EVCSP and other fields in the UNI Mapping Detail	
		Section are required on EVC Page 1.	
		When NUT field is BLANK then no EVCSP field entry is	
		1	
VACT	N or BLANK	Customer Edge Virtual Local Area Network Activity	N-Conditional
		Indicator	N-Prohibited for
		See EVC Activity Table JOB AID 8	LAG
		Valid values	K-N/A C-N/A

ASR	ENTRY	NOTES	ACTIVITY TYPE
SCREEN FIELD			
VACT		N = New ASR ACT = N	D-Prohibited D-Prohibited for
		N – New is required when CE-VLAN field is populated with customer preferred VLAN-ID.	LAG
		BLANK ASR ACT = N Value = BLANK is required when CE-VLAN field is not populated.	
CE-VLAN	POPULATED or BLANK	ASR ACT = D Prohibited. Customer Edge Virtual Local Area Network Example: 0123	N-Conditional N-Prohibited for
		Valid value POPULATED	R-N/A C-N/A D Brobibitod
		ASR ACT = N POPULATED = 4 numeric sequence in 1 <sup>st</sup> CE-VLAN field Population of this field indicates customer is ordering preferred EVC VLAN ID [VLAN Translation]. NOTE 1: When populated, the same CE-VLAN data is required on all EVC pages of the ASR. NOTE 2: When the CE-VLAN field is populated, the associated VACT field activity is required.	D-Prohibited for LAG
		ASR ACT = N BLANK = Customer is not ordering a preferred EVC VLAN ID. NOTE 1: When CE-VLAN field is BLANK, Verizon assigns the EVC VLAN ID and returns the ID to the customer on the FOC	
		ASR ACT = D Prohibited.	
RUID	Example: 32.KFGS.123456NY	Related UNI/ENNI Identifier Identifies TLS ENNI Circuit ID for EVC connection, populated in CLS ID format. When EVCI = B the conditions for population of the RUID 1 field are as follows: ASR ACT = N RUID 1 must be the first ENNI from which the EVC is being mapped NOTE 1: Population of RUID 1 field is required when the AUNT field = BLANK. Population of the RUID 1 field is prohibited when the AUNT field is populated. NOTE 2: For Point-to-Point EVCS, one RUID field must be populated. NOTE 3: Only one occurrence of AUNT = A can be present on an ENNI/EVC Combination ASR.	N-Conditional N-Prohibited for LAG R-Prohibited C-Prohibited D-Optional D-Prohibited for LAG
		This field is optional. NOTE 1: When the NUT field = BLANK, the RUID 1 and other fields in the UNI Mapping Detail Section are not required on EVC Page 1. NOTE 2: When the NUT field is populated. the RUID 1 and	

ASR SCREEN	ENTRY NOTES EN				
FIELD RUID		other fields on the UNI Mapping Detail Section are required			
LREF	Example: LREF 1 LREF 2 LREF 3	on EVC Page 1 Level of Service Reference Number Identifies the Level of Service Reference Number Each LREF line carries the required information for the Level of Service and Bandwidth associated to the EVC connection. ASR ACT = N NOTE 1: When a single Level of Service and single Bandwidth is requested all customer data is input on LREF 1. When multiple Levels of Service and multiple Bandwidth configurations are being requested, each one is listed on a subsequent LREF line [LREF 2 and LREF 3]. NOTE 2: LREF data populated on EVC Page 1 must be the same data populated on EVC Page 2 ASR ACT = D This field is optional. NOTE 1: When the NUT field = BLANK, the LREF and other fields in the UNI Mapping Detail Section are not required on EVC Page 1. NOTE 2: When the NUT field is populated. the LREF and other fields on the UNI Mapping Detail Section are required	N-Required N-Prohibited for LAG R-Prohibited D-Optional D-Prohibited for LAG		
LOSACT	N, D, or K	on EVC Page 1 Level of Service Activity Indicator Identifies the activity for the level of service as part of the EVC configuration. See EVC Activity Table JOB AID 8 for valid LOSACT activities Valid values N = New/Add D = Disconnect K = Cancel ASR ACT = N N = New is required when the associated LREF field is populated. ASR ACT = D Optional D = Disconnect is required when the NUT field = 02, and LREF field is populated. Then LOSACT entry of D and other fields in the UNI Mapping Detail Section are required on EVC Page 1. When the NUT field = BLANK and the LREF field is not populated, then no LOSACT field entry is required in the UNI Mapping Detail Section on EVC Page 1. LOSACT = K K = Cancel is only allowed on a SUPP	N-Required N-Prohibited for LAG R-Prohibited D-Optional D-Prohibited for LAG		
LOS	BASIC, PD, RT	Level of Service Name Identifies a name for a provider-defined level of service performance associated with the Ethernet product offering. See EVC Point to Point Levels of Service and Bandwidth Combinations Table JOB AID 9	N-Required N-Prohibited for LAG R-Prohibited C-Prohibited D-Optional D-Prohibited for		

ASR	ENTRY	NOTES	ACTIVITY TYPE
SCREEN			
		Valid values	LAG
200		BASIC	LAG
		PD = PRIORITY DATA	
		RT = REAL TIME	
		ASR ACT = N	
		NOTE 1: One entry is permitted per LREF line for	
		ENNI/ EVC requests	
		NOTE 2: More than one entry per LREF section is	
		NOTE 3. Required when LOSACT field is populated	
		NOTE 4: Required when BDW field is populated.	
		ASR ACT = D Optional	
		NOTE 1: When NUT field is populated with 02, and	
		LOSACT field is populated, then LOS entry and other fields	
		in the UNI Mapping Detail Section are required on EVC	
		Page 1. When NUT field is BLANK, and the LOSACT field is not	
		populated, then no LOS field entry is required in the UNI	
		Mapping Detail Section on EVC Page 1.	
BDW	EXAMPLE: 10M	Bandwidth	N-Required
		Service. Data and is a numeric entry in megabits only.	LAG
			R-Prohibited
		See EVC Point to Point Levels of Service and Bandwidth	C-Prohibited
		Combinations Table JOB AID 9	D-Optional
		ASR ACT = N	LAG
		NOTE 1: One entry is permitted per LREF line for	-
		ENNI/EVC requests	
		NOTE 2: More than one entry per LREF section is dependent on RUID Service Type [Multiple LOS]	
		NOTE 3: Required when LOSACT field is populated.	
		NOTE 4: Required when LOS field is populated.	
		ASP ACT - D	
		Optional	
		NOTE 1: When NUT field = 02, and LOS field is populated,	
		then BDW entry and other fields in the UNI Mapping Detail	
		Section are required on EVC Page 1.	
		populated, then no BDW field entry is required in the UNI	
		Mapping Detail Section EVC Page 1.	
REMARKS	Optional	Remarks	N-Optional
			LAG
			R-Prohibited
			C-Prohibited
			D-Optional
			LAG
PG_of_	Pageof	Identifies the page number and total number of pages	System
		contained in the EVC transaction	generated.

ASR SCREEN FIELD	ENTRY	NOTES	ACTIVITY TYPE				
THE FOLLOW	THE FOLLOWING DATA IS REQUIRED ON THE SECOND EVC SCREEN FORM FOR AN ENNI/EVC COMBINATION ASR EVCI FIELD ON ENNI ASR PAGE = B						
<b></b>	[Page 2 of 2 for Point to Point EVC]						
		LDS ARE REQUIRED ON THE EVC02 FORM	N D a su disa d				
	Example: 0001	Data must be the same as populated on EVC Page 1	N-Required N-Prohibited for LAG R-Prohibited C-Prohibited D-Required D-Prohibited for LAG				
NC	Network Channel	Network Channel Code Data must be the same as populated on EVC Page 1	N-Required N-Prohibited for LAG R-Prohibited C-Prohibited D-Conditional D-Prohibited for LAG				
EVCID	BLANK or Populated	Ethernet Virtual Connection Identifier Data must be the same as populated on EVC Pg 1	N-N/A R-Prohibited C-Prohibited D-Required D-Prohibited for LAG				
NUT	02	Number of UNI/ENNI Terminations Data must be the same as populated on EVC Page 1	N-Required N-Prohibited for LAG C-Prohibited R-Prohibited D-Optional D-Prohibited for LAG				
EVCCKR	Customer Circuit Identifier	Ethernet Virtual Connection Customer Circuit Reference Data must be the same as populated on EVC Page 1	N-Optional N-Prohibited for LAG R-Prohibited C-Prohibited D-Optional D-Prohibited for LAG				
UREF	02	User Network Interface [UNI/ENNI] Reference Number: Identifies the reference number associated to the UNI or ENNI port for which EVC mapping requirements are applied. UNI/ENNI Reference information for second circuit [RUID 2] ASR ACT = N 01-EVC Page 1 02-EVC Page 2 NOTE 1: The total quantity of UREFs must equal the value in the NUT field; each UREF field is numeric and incremental from the previous UREF entry. ASR ACT = D 01-EVC Page 1 02-EVC Page 2	N-Required N-Prohibited for LAG R-Prohibited C-Prohibited D-Optional D-Prohibited for LAG				

ASR	ENTRY	NOTES	ACTIVITY TYPE
URFF		NOTE 2. When NUT field is populated with 02 then UREF	
0		and other fields in the UNI Mapping Detail Section are	
		required on EVC Pg 2.	
		When NUT field is BLANK, then no UREF field entry is	
	•	required in the UNI Mapping Detail Section on EVC Pg 2	
AUNI	А	Associated UNI/ENNI Termination	N-Required
		ordered on the ENNI/EV/C combination ASR	
			R-Prohibited
		Valid value	C-Prohibited
		A = ASR ACT = N	D-Prohibited
		NOTE 1: AUNT field = A is required when the EVCI = B on	D-Prohibited for
		the ENNI/EVC combination ASR and the associated RUID	LAG
		2 and other required fields in the UNI Mapping Detail	
		NOTE: If ALINT field is populated with an "A" on EVC01	
		Page for UREF01 information, then the AUNT field on the	
		EVC02 page for the UREF02 information must be BLANK.	
UACT	N, D or K	User Network Interface [UNI/ENNI] Activity Indicator	N-Required
		Data must be the same as populated on EVC Pg 1	N-Prohibited for
			LAG D. Dashikita d
			R-Prohibited
			D-Optional
			D-Prohibited for
			LAG
			K- Conditional
NCI	Network Channel	Network Channel Interface Code	N-Required
	Interface	See EVC Point to Point ASR Order Matrix JOB AID 7.	N-Prohibited for
		ASR ACT = N	R-Prohibited
		NCI Code references the Frame Format of the UNI circuit	C-Prohibited
		populated in RUID 2 field on EVC Page 2 or the NCI Code	D-Optional
		of the pending ENNI circuit when the AUNT field = "A".	D-Prohibited for
		ASR ACT = D NCL Code is not required unless other information in the	LAG
		UNI Mapping Detail Section is populated on EVC Page 2	
EVCSP	TLS UNI or ENNI	Ethernet Virtual Connection Switch Point	N-Optional
	Port Switch CLLI	Identifies the Ethernet switching point, in CLLI code format,	N-Prohibited for
		at the UNI or ENNI termination. [TLS Switch CLLI	LAG
		associated to the circuit ID [RUID 2].	R-Prohibited
		ASR ACT = N	D-Ontional
		NOTE 1: Identifies the TLS Switch CLLI associated to the	D-Prohibited for
		UNI or ENNI circuit populated in the RUID 2 field on EVC	LAG
		Page 2.	
		Optional when the associated UREF field is populated and	
		the AUNI field = BLANK.	
		NOTE 2. When AUNT field = A, the vericon ordening	
		ENNI circuit being provisioned on the combination ASR.	
		NOTE 3: Verizon ordering system validates customer	
		EVCSP entry [if POPULATED] against current Customer	
		Service Record of ENNI. If data retrieved is different from	
		customer provided CLLI, the ordering system overlays the	
		CUSIONER PROVIDED EVESP CLLI WITH THE VERIZON SYSTEM	

ASR	ENTRY	NOTES	ACTIVITY TYPE
SCREEN FIELD			
EVCSP		ASR ACT = D	
		EVCSP and other fields in the UNI Mapping Detail Section	
		are required on EVC Page 2. When NUT field is BLANK then no EVCSP field entry is	
	<b></b>	required in the UNI Mapping Detail Section on EVC Pg 2.	
VACT	N or BLANK	Customer Edge Virtual Local Area Network Activity Indicator	N-Conditional N-Prohibited for
		Data must be the same as populated on EVC Page 1	
			C-N/A
			D-Prohibited D-Prohibited for
			LAG
CE-VLAN	POPULATED or BLANK	Customer Edge Virtual Local Area Network Data must be the same as populated on EVC Pg 1	N-Conditional N-Prohibited for
			C-N/A
			D-Prohibited D-Prohibited for
RIIID	Everale	Poloted UNI/ENNIL Identifier	LAG
RUID	32.KFGS.123123NY	Identifies the TLS UNI or ENNI Circuit ID for EVC	N-Conditional N-Prohibited for
		connection, populated in CLS ID format. When EVCI = B the conditions for population of the RUID 2	LAG R-Prohibited
		field are as follows:	C-Prohibited
		ASR ACT = N	D-Optional D-Prohibited for
		RUID 2 must be the second UN or /ENNI to which the EVC is being mapped	LAG
		NOTE 1: Population of RUID 2 field is required when the	
		Prohibited when the AUNT field is populated.	
		NOTE 2: For Point-to-Point EVCS, one RUID field must be	
		NOTE 3: Only one occurrence of AUNT = A can be present	
		on an ENNI/EVC Combination ASR.	
		ASR ACT = D	
		NOTE 1: When the NUT field = BLANK, the RUID 2 and	
		other fields in the UNI Mapping Detail Section are not required on EVC Page 2.	
		NOTE 2: When the NUT field is populated the RUID 2 and	
		on EVC Page 2	
LREF	Example: LREF 1	Level of Service Reference Number Data must be the same as populated on EVC Page 1	N-Required N-Prohibited for
	LREF 2		LAG P. Prohibitod
	LREF 5		C-Prohibited
			D-Optional D-Prohibited for
			LAG

ASR SCREEN FIELD	ENTRY	NOTES	ACTIVITY TYPE
LOSACT	N, D, or K	Level of Service Activity Indicator Data must be the same as populated on EVC Page 1.	N-Required N-Prohibited for LAG R-Prohibited C-Prohibited D-Optional D-Prohibited for LAG
LOS	BASIC, PD, RT	Level of Service Name Data must be the same as populated on EVC Page 1.	N-Required N-Prohibited for LAG R-Prohibited C-Prohibited D-Optional D-Prohibited for LAG
BDW	EXAMPLE: 10M	Bandwidth Data must be the same as populated on EVC Page 1.	N-Required N-Prohibited for LAG R-Prohibited C-Prohibited D-Optional D-Prohibited for LAG
REMARKS	Optional	Remarks Additional information from customer	N-Optional N-Prohibited for LAG R-Prohibited C-Prohibited D-Optional D-Prohibited for LAG
PG_of_	Pageof	Identifies the page number and total number of pages contained in the EVC transaction EXAMPLE: PG 0 0 2 of 0 0 2	System generated

#### ENNI PACKAGED PORT AND ASR ORDER MATRIX NC/NCI/SECNCI & SPEC CODES \* SMF = SINGLE MODE FIBER

SERVICE DESCRIPTION	NC	NCI	SECNCI	SPEC	SR	SCM
ENNI PACKAGED PORT AND ACCESS						
1G – Stand Alone/Combo Existing/Embedded Base	KFE-	02LNF.A02	*02CXF.N1G	ERSNPA	N/A	KFGD
1G – LAG Existing/Embedded Base	KFN-	02LNF.A02	*02CXF.N1G	TLSMLGE	N/A	KFGD
1G – Stand Alone/Combo New for C-Tag	KFE-	02LNF.A02	02CXF.AG2	ERSNPA	N/A	KFGD
1G – LAG New for C-Tag	KFN-	02LNF.A02	02CXF.AG2	TLSMLGE	N/A	KFGD
1G – Stand Alone/Combo for S-Tag	KFE-	02LNF.A02	02CXF.AG1	ERSNPA	N/A	KFGD
1G – LAG New for S-Tag	KFN-	02LNF.A02	02CXF.AG1	TLSMLGE	N/A	KFGD
10G – Stand Alone/Combo Existing/Embedded Base	KGE-	02LNF.A02	*02CXF.NXG	ERSNPA	N/A	KGGD
10G – LAG Existing/Embedded Base	KGF-	02LNF.A02	*02CXF.NXG	TLSMLGE	N/A	KGGD
10G – Stand Alone/Combo New for C-Tag	KGE-	02LNF.A02	02CXF.AGY	ERSNPA	N/A	KGGD
10G – LAG New for C-Tag	KGF-	02LNF.A02	02CXF.AGY	TLSMLGE	N/A	KGGD
10G – Stand Alone/Combo for S-Tag	KGE-	02LNF.A02	02CXF.AGX	ERSNPA	N/A	KGGD
10G – LAG New for S-Tag	KGF-	02LNF.A02	02CXF.AGX	TLSMLGE	N/A	KGGD

- 1. Column 1: Service Description
- 2. Column 2: NC Code = Network Channel Code of Port
- 3. Column 3: NCI Code = Primary Network Channel Interface
- 4. Column 4: SECNCI Code = Secondary Network Channel Interface of Port
- 5. Column 5: SPEC Code

ERSNPA = Packaged Port & Access Standalone [QTY = 1]

ERSNPA = Packaged Port & Access LAG [QTY = 2] Grandfathered for ASR ACT = N TLSMLGE =

Packaged Port & Access LAG [QTY = 2]

6. Column 6: SR = Special Routing N/A

#### **1G ENNI SECNCI:**

- \*02CXF.N1G grandfathered for ASR Activity of N
- \*02CXF.N1G permitted for ASR Activity of R, C, and D [embedded base only]
- 02CFX.AG2 required on all ASR Activity of N for 1G ENNI Packaged Port & Access orders with C-Tag option (outer tag is C-tag)
- 02CXF.AG1 required on all ASR Activity of N 1G ENNI Packaged Port & Access orders with S-Tag option (outer tag is Stag)

#### 10G ENNI SECNCI:

- \*02CXF.NXG grandfathered for ASR Activity of N
- \*02CXF.NXG permitted for ASR Activity of R, C, and D [embedded base only]
- 02CFX.AGY is required on all ASR Activity of N 10G ENNI Packaged Port & Access orders with C-Tag option (outer tag is C-tag)
- 02CXF.AGX is required on all ASR Activity of N 10G ENNI Packaged Port & Access orders with S-Tag option (outer tag is S-tag)

#### ENNI PACKAGED PORT AND ACCESS SERVICE CODE & MODIFIER

NC CODE	SERVICE CODE & MODIFIER	EXAMPLE
KFE-, KFN-	KFGD	32.KFGD.123456NY
KGE-, KGF-	KGGD	95.KGGD.456789NE

#### ENNI PACKAGED PORT AND ACCESS ASR EXHIBITS

Below are ASR Exhibits for the ENNI Packaged Port and Access Services.

## ASR EXHIBIT #1 INSTALL 1 GBPS ENNI PACKAGED PORT AND ACCESS 60 MONTH TERM PRICING PLAN, REQUEST TYPE = SD [POP TERMINATION]

Access	Service	Reques	st [ASR]									
CCNA	PON	l	VE	R	ICS	С	STATU	S	CURRE	ENT MOD	E	
ABC	ENN	IIPPA-10	a A	4	NY0	1			View O	)nly		
CC		UNE			SPEC	<b>ERSNP</b>	4	TSP	ReqT	ype <mark>SD</mark>	SRI	N SELY
ACT	Ν	DDD	CUST DD	D	FDT		Sup		EXP			EDA
QSA		BAN	212 M17-X	XXXX	CUS	XXX	LTP		RTR	F		
Cust	D	/T Sent	MM/DD/Y	Y TIME	ACTI		TSC		Qty1	0000001		
LA	L	A Name		LA	Dated		AFO		LAG	Unit		
С		ACTL	NYCMNY	XXW02	APOT	NYCMN	YXXW0	2	LATA	132		
CKR	Custom	er CKR			ECCKT	32.KFG	D.1234	56NY	JPR			ASG
PIU	100	PLU			WSI		LUP		TQ		evci	
ALBR	A	GAUTH		Dated			NMB A	pplicable				
Project		PPTD		RPON			NAG		CCVN			
NOR		RORD		AENG			CBD		CCI			
	I	ASC-EC		QNAI		BSA		LNI		FBA		
		PSL		PSLI		CNO		TNT		QA		
	WST				ISTN						VZB	
	FNI				FNT			RFNI			CFNI	
	SAN				AFG			SPA				
	BIC				BIC Tel					E	BICID	
REMARK	S Optic	nal for o	customer i	nformat	ion – In	stall 1G	ENNI Pa	ackaged F	Port & Ad	ccess		
Adminis	strative l	nformat	ion [ADM	]								
	ACNA	ABC			TE		FUSF	E			EBP	
В	ill Name	ABC				SBill	Name	BILLING	MGT			
	Street	100 M/	AIN ST				Floor			R	oom	
	City	ANYTO	OWN				State	MA			Zip	XXXXX
Bill	Contact	ACCES	SS BILL MO	GR Te	INo 🤉	99-999-9	999-888	88888	Bill	Contact E	mail	
	VTA	60		VC	VTA	ľ	WBAN					
	MTCE	APC	Ν	ATCE T	el No 👎	<mark>999 999-</mark> 9	9999			MTCE E	mail	
	PNUM	FB123	4567		PSD		LOB					
Circuit II	nformati	on										
	Init	JOHN D	OE	TEL	No	99-999-9	999-888	88888		nit Fax N	0	
In	it Email											
			~-	<b>TC</b> 1	No	000_000_0	000 000	22222	D	SG Fax N	lo 999	999-9999
DSG (	Contact	JOHN D	OF	IEI			777-000	00000	U	50 T ux 1	••••••	
DSG ( DS(	Contact G Email	JOHN D	OF	TEI St	reet 1	00 MAIN	ST	00000	D	Floo	or n	
DSG ( DSG	Contact G Email Room	JOHN D E171	OE	St	reet 1 City	00 MAIN	ST   N	0000	State	Floc MA Z	or ip XXX	(XX
DSG ( DS( IMP (	Contact G Email Room Contact	JOHN D E171 TECH C	IN DUTY	TEI St TEI	reet 1 City A	00 MAIN ANYTOW 99 999-9	ST   N   999	0000	State	Floc MA Z	or ip XXX	XXX
DSG ( DS( IMP (	Contact G Email Room Contact D/T Rec	JOHN D E171 TECH C MM/DD	on duty /yy time	TEI	reet 1 City 4 No 9 DRC	00 MAIN ANYTOW 99 999-9	ST   N   999	0000	State FDRC	Floc MA Z	or ip XXX	(XX

Switched	Ethernet Service	Request [S	SES]						
CCNA	PON	VER	ICSC	STATUS	CURR	ENT MOD	E		
ABC	ENNIPPA-1G	AA	NY01		View C	Dnly			
Circuit De	tails								
N PROF	C KFE- NCI 02 E	LNF.A02	SECNCI 02CXF.	<mark>N1G</mark> SR PROFI	SBDW	BUM	BI	ES	
LAG-	D		LAG-P						
DIVCK	Т			DIVPON					
Location									
CC GE IP ADDRE	EA TO SS	GBTN	GCO IPA	N A S	GT SUBNET MA	iel Sk			
E	SP CLLI ITLS SWI	тсні			C	on			
SECLOC L	SO 212XXX	· •	SECLOC SW	C NYCMNY	XXDXX				
Service O	otions								
REMARKS									

### ASR EXHIBIT #2 INSTALL 10GBPS ENNI PACKAGED PORT AND ACCESS WITH LINK AGGREGATION 60 MONTH TERM PRICING PLAN REQUIRES ASR SPEC CODE OF TLSMLGE ASR LAG FIELD = N, QTY FIELD = 2, CNO FIELD = CUSTOM BID CASE #

Access S	Service	Reques	st [ASR]									
CCNA	PON	1		VER		ICSC		STATUS		CURR	RENT MOI	DE
ABC	ENN	II-PPA10	GLAG	AA		NJ90				View	Only	
CC		UNE		0,	SPEC	TLSMLG	ε	TSP	ReqT	ype <mark>S</mark>	D	SRN SEI <mark>Y</mark>
ACT	N	DDD	CUST DDD		FDT		Sup		EXP		EDA	
QSA		BAN	201 M17-X	XXX	CUS	XXX	LTP		RTR	F		
Cust	D	/T Sent	MM/DD/YY	TIME /	ACTI		TSC		Qty1	00000	002	
LA	L	A Name		LAC	Dated		AFO	Y	LAG	N		
Unit	C	ACIL	NWRKNJX	XW02_A	APOI	NWRKN	JXXW	02	LAIA	224		
CKR	Custon	her CKR		EC	CCKI	. KGGD	.11111	1NJ	PR		FILO	ASG
PIU	100	PLU			WSI		LUP		IQ		EVCI	
	A	GAUTH		Dated			NMB F	Applicable	001/01			
Project				RPUN								
NOR				AENG		004	CRD		ULI	<b>ED</b> 4		
		ASC-EC				BSA	2014 5		тыт	FBA	۱ ٥٨	
-	WCT	PSL		PSLI		CNU	2014-0	50077				
								DENI				
	SAN										CENI	
				BI				JFA			BICID	
REMARK	S Ontic	nal for o	rustomer inf	ormatio	$\frac{1}{n} = \ln \frac{1}{n}$	stall 10G	FNNI	Packaged	I AG na	ir Cas	e # 2014.	556677
Administ	rativol	nformat		onnatio				uonagoa	2/10 pc		0 # 2011	
Auminist					TE		FUEF	-			EDD	
Bi		ABC			IE	SBIII	FUSF Namo		мст		EBP	
Di	Stroot	100 M/	AIN ST			3011	Floor	DILLING	WOT		Room	
	City						State	МА			7in	XXXXX
Bill (	Contact	ACCES	S BILL MG	Tel N		00-000-0	999-88	88888	Bill	Conta	ct Email	
Dill C	VTA	60		VCV	TA /	N	NRAN	00000	Diii	oomu		
	MTCF	APC	M	ICF Tel	No 9	, ,999 999 9	999			MTC	F Fmail	
	PNUM	FB123	4567	P	SD		LOB					
Circuit In	format	ion			-		-					
	Init	JOHN D	OE	TEL N	Vo 9	99-999-9	999-88	88888		Init Fax	x No	
Init	Email											
DSG C	ontact	JOHN D	OE	TEL	Vo 9	9 <mark>99-999</mark> -9	999-88	88888	D	)SG Fa	ix No 999	999-9999
DSG	i Email			Stre	et 1	00 MAIN	ST			F	loor	
	Room	E171		Ci	ity 🖊	NYTOW	N		Sta te	MA	Zip XX	XXX
IMP C	ontact	TECH C	N DUTY	TEL N	Vo 9	99 999-9	999					
D	/T Rec	MM/DD	/YY TIME	DF	RC				FDRC			
CB T	EL NO			CBF	С							

Switched Ethernet Service Request [SES]											
CCNA	PON	VER	ICSC	STATUS	CURRENT	MODE					
ABC	ENNI-PPA10GLAG	AA	NJ90		View Only						
Circuit Deta	ils										
NC PROFE LAG-ID DIVCKT	KFG- NCI 02LNF.A02	SECNCI	02CXF.NXG PROFI LAG-F	SR SBDW P <mark>AS</mark> VPON	BUM	BI ES					
Location											
CCE/ Geto IP ADDRESS ESI	a gbtn 5 gbtn P <mark>blank</mark>		gcon IPAI	C SUBNET M	GTEL ASK OTC						
SECLOC LSO	O 201XXX	SEC	LOC SWC NV	/rknjxxdxx							
Service Opt	tions										
REMARKS											

Additional Cir	cuit Information [AC	I]						
CCNA P	ON	VER	ICSC	STATUS	CURRENT	MOI	DE	
ABC E	NNI-PPA10GLAG	AA	NJ90		View Only			
Ref Num 0	002	Go to Re	ef Num 0002	GO				
ECCKT	.KGGD.222222NJ			CKTACT	S25C		ER	
RECCKT				TRN	TCIC			
NHNI	NHN			ASG	RORD			
CFA				HBAN	CFAU			
SCFA					SCFAU			
CCEA				SCCEA				
CKR				CKRI				
WACD1				WACD2				
TSP	UBAN			UCUS				
DIVPON				DIVCKT				
ES	PROFE			PROFI	BUM	BI	SBDW	
IP ADDRESS	IPAI		SU	BNET MASK				
Primary								
Jack Code	PCA			JS				
Secondary								
Jack Code	PCA			JS				
Jack Num	Jack Pos			CPT				
CR01	CRO2							
SMJK [Pri]	MJK [Sec]		Dir	SDIR				

#### ASR EXHIBIT #3 INSTALL 1GBPS ENNI PACKAGED PORT AND ACCESS CIRCUIT WITH 40MBPS REAL TIME POINT TO POINT EVC ENNI/EVC COMBINATION ASR 60 MONTH TERM PRICING PLAN, REQUEST TYPE = SD [POP TERMINATION]

Access	Service	Reques	st [ASR]									
CCNA	PON	l		VER		ICSC		STATUS		CURRE	ENT MOI	DE
ABC	ENN	IIPPA-10	GEVC	AA		NY01				View O	nly	
CC		UNE		0,	SPEC	ERSNPAT	SP	ReqT	ype <mark>S</mark> E	)		SRN SEI Y
ACT	Ν	DDD	CUST DDD		FDT	S	up		EXP		EDA	
QSA		BAN	212 M17-XX	XX	CUS	XXX L	TP		RTR	F		
Cust	D	/T Sent	MM/DD/YY T	TIME /	ACTI	Т	SC		Qty1	000000	1	
LA	L	A Name		LA D	Dated	A	FO		LAG	Unit		
С		ACTL	NYCMNYXX	W02 A	<b>APOT</b>	NYCMNYX	(XW0	2	LATA	132		
CKR	Custom	er CKR		EC	ССКТ	32.KFGD.	1111	11NY	JPR			ASG
PIU	100	PLU			WSI	L	UP		TQ		EVCI	3
ALBR	A	GAUTH	D	ated		NN	/IB A	pplicable				
Project		PPTD	R	PON		NA	١G		CCVN			
NOR		RORD	A	NENG		CI	3D		CCI			
	4	ASC-EC	C	2NAI		BSA		LNI		FBA		
-	-	PSL	F	PSLI		CNO		TNT		QA		
	WST				ISTN						VZB	
	FNI				FNT			RFNI			CFNI	
	SAN				AFG			SPA				
DEMARK	BIC			BI	CIEL						BICID	
REMARK		onal for c	customer info	rmatio	n – In	stall 1G EN	NI Pa	ackaged P	ort and	Access	scircuit	with 40M
Real TIM	e Point to	o Point i										
Adminis	strative li	nformat	ion [ADM]									
	ACNA	ABC			TE	FL	JSF	E			EBP	
B	ill Name	ABC				SBill Na	ime	BILLING	MGT			
	Street	100 M/	AIN ST			FI	oor				Room	
	City	ANYTO	OWN			S	state	MA			Zip	XXXXX
Bill	Contact	ACCES	S BILL MGR	Tel N	Vo 9	99-999-999	9-888	88888	Bill	Contact	Email	
	VTA	60			TA	IWE	BAN					
	MICE	APC	MI	CE Iel	No 9	99 999-999	9			MICE	Email	
0'	PNUM	FB123	4567	Р	SD	L	OB					
CIrcuit I	nformati	ion							-		<u>.</u> .	
	Init	JOHN L	OF	IELM	No 9	99-999-999	9-888	88888	I	nit Fax	No	
			05	<b>TC</b> 1 <b>•</b>			0.000	20000	_	со <b>г</b> -	No. 000	000 0000
DSG (		JOHN D	UE	IELI		00 MANY C	ש-880 ר	88888	D	ISG Fax	. INO . 999	999-9999
DS	G Email	F171		Stre			I		Ctoto			~~~
	ROOM				ity P		•		State	IVIA		
				IELÍ	VØ 9	99 999-999	9					
	D/I Rec	iviivi/DD	YYY HIVIE	DF	KC .				FURC			
00					20							

Switched Ethernet Service Reques	st [SES]	
CCNA PON	VER ICSC	STATUS CURRENT MODE
ABC ENNIPPA-1GEVC	AA NY01	View Only
Circuit Details		
NC KFE- NCI 02LNF.A0 PROFE	2 SECNCI 02CXF.N	<mark>vig</mark> Sr SBDW bum bi es Profi
LAG-ID DWCKT	LAG-P	
		DIVPON
GETO GBTN	GCOI IPAI	N GTEL I SUBNET MASK
ESP CLLI [TLS SWITCH]		OTC
SECLOC LSO 212XXX	SECLOC SWO	C NYCMNYXXDXX
Service Options		
REMARKS		
Ethernet Virtual Connection [EVC]		
CCNA PON	VER ICSC	STATUS CURRENT MODE
ABC ENNIPPA-1GEVC	AA NY01	View Only
Ethernet Virtual Connection Detail	Section	
EVC NUM UUUT NC VLP-	EVC CLS ID	32.VLXP.123456INY NUT 02 SVP
UNI Mapping Detail Section		
URFE 01 FL AUNT A UACT	N RPON NCI	02VI N.VP I 2CP EVCSP SWITCH CLU RUID 1
VACT CE-VLAN 0016 VACT	CE-VLAN VAC	T CE-VLAN VACT CE-VLAN
VACT CE-VLAN VACT	CE-VLAN VAC	T CE-VLAN VACT CE-VLAN
VACT CE-VLAN VACT	CE-VLAN	
RUID 32.KFGD.111111NY R/L	S-VACT S-VLAN	S-VACT S-VLAN S-VACT S-VLAN
	01C ASN 08005_0001	VPN-ACT VPN-ID
LREF 1 LOSACT N LOS	RT SPFC	P-BIT BDW 40M DSPC TOS
LREF LOSACT LOS	SPEC	P-BIT BDW DSPC TOS
LREF LOSACT LOS	SPEC	P-BIT BDW DSPC TOS
LREF LOSACT LOS	SPEC	P-BIT BDW DSPC TOS
LREF LOSACI LOS	SPEC	P-BIT BDW DSPC TOS
REMARKS Optional for customer line	JIIIduuli	01 OF 02
Ethernet Virtual Connection [EVC]		
CCNA PON	VER ICSC	STATUS CURRENT MODE
ABC ENNIPPA-1GEVC	AA NY01	View Only
Ethernet Virtual Connection Detai	Section	
EVC NUM 0001 NC VLP-	EVC CLS ID	32.VLXP.123456NY NUT 02 SVP
EVCCKR		
UNI Mapping Detail Section		
UREF 02 EL AUNI UACI N	RPON NCI 02	VLN.VP L2CP EVCSP SWITCH CLLI RUID 2
VACT CE-VLAN 0010 VACT	CE-VLAN VAC	T CE-VLAN VACT CE-VLAN T CE-VLAN VACT CE-VLAN
VACT CE-VLAN VACT	CE-VLAN	
RUID 32.KEGS.222222NY R/L	S-VACT S-VLAN	S-VACT S-VLAN S-VACT S-VLAN
EVCMPID	OTC ASN	VPN-ACT VPN-ID
ALT ORD ACO_BAAIS_ 20909600	08005_0001	
LREF 1 LOSACT N LOS	RI SPEC	P-BIT BDW 40M DSPC TOS
LKEF LUSAUT LUS	SPEC	P-BIT BDW DSPC IUS
LREF LOSACT LOS	SPEC	P-BIT BDW DSPC TOS
LREF LOSACT LOS	SPEC	P-BIT BDW DSPC TOS
REMARKS Optional for customer info	ormation	02 OF 02

#### ENNI PACKAGED PORT & ACCESS ADDITIONAL INFORMATION AND ASR EXHIBITS SUBSEQUENT ACTIVITY REQUESTS

Below are additional ASR Ordering examples for SES/TLS ENNI Packaged Port & Access Activity subsequent to an initial ASR Activity of N.

## ASR ACTIVITY OF C

There are multiple fields a customer is permitted to change on an ASR ACT of C. The change activities that are presently permitted and automated are listed below:

- Customer Circuit Identifier [CKR field]
- Forbearance Contract ID [PNUM field]
- PING the NID [add, change, remove] [IP ADDRESS, IPAI, SUB NET MASK fields]
- TSP for TLS Services [TSP field]

ASR Activity of C generates a one-time Non-recurring charge to the customer's bill for each ENNI change request.

## ASR ACTIVITY OF C - CHANGE CUSTOMER CKR

Change orders for TLS ENNI Packaged Port & Access service for Customer circuit identifier are permitted on SD [Network] Request Types.

The following ASR Exhibit provides the required fields for a customer to populate when requesting a change on an ENNI Packaged Port & Access circuit for the Customer's Internal Circuit Identifier [CKR field].

NOTE 1: This type of change requires that all ordering components of the ENNI remain as is; the only change permitted is to the CKR field.

NOTE 2: ASR Activity of C generates a one-time Non-recurring charge to the customer's bill for each ENNI change request.

NOTE 3: The service interval for a change request requires six [6] business days.

## ASR EXHIBIT #4 CHANGE CUSTOMER CIRCUIT IDENTIFIER 1 GBPS ENNI PACKAGED PORT AND ACCESS OPTICAL HANDOFF, 60 MONTH TERM PRICING PLAN REQUEST TYPE = SD [NETWORK TERMINATION]

Access	Service	Reques	st [ASR]									
CCNA	PON	1		VER		ICSC		STATUS		CURREI	NT MO	DE
ABC	EN	IIPPA1G	-C	AA		NY01				View O	nly	
CC		UNE		S	PEC	ERSNP	۹	TSP	ReqT	Type <mark>SD</mark>		SRN SEI Y
ACT	С	DDD	CUST DDD		FDT		Sup		EXP	_	EDA	
QSA	_	BAN	212 M17-X	XX (	CUS	XXX	LTP		RTR	F		
Cust	C	/T Sent	MM/DD/YY	TIME A	CTI		TSC		Oty1	0000001		
LA	L	A Name		LA D	ated		AFO		LAG	400		
Unit	C	ACIL	NYCMNYX	XW02 A	PUI		D 400	454 804		132		460
CKR	NYGIG	EWEST		EC	CKI	32.KFC	D.123	456INY	JPR		FUOI	ASG
	100	PLU		D - 4 - 1	WSI				IQ		EVCI	
ALBR	P	GAUIH				1		Аррисаріе	COVIN			
Project						I						
NUK						DCA	CRD	1.611	ULI	ED A		
		ASC-EC				BSA				FBA		
	WCT	P3L		PSLI	CTN	CNU		TINT		QA	1/70	
				I.				DENI				
											CENI	
	BIC			BIC	C Tel			JFA			BICID	
REMARK	S Optio	onal for o	customer info	ormation	- C	hange cu	istome	er circuit lo	lentifier	to NYGI	GEWE	ST
Adminis	trative I	nformat	ion [ADM]			<u> </u>						
	ACNA	ABC		Т	F		FUSF	F			FBP	
Bi	II Name	ABC			-	SBill I	Vame	BILLING	MGT			
	Street	100 M/	AIN ST				Floor			F	Room	
	City	ANYTO	OWN				State	MA			Zip	XXXXX
Bill (	Contact	ACCES	SS BILL MGF	Tel N	o 9	99-999-99	999-88	88888	Bill	Contact	Email	
	VTA	60		VCVT	A	IV	VBAN					
	MTCE	APC	M	CE Tel N	No 9	99 999-9	999			MTCE	Email	
	PNUM	FB123	4567	PS	SD		LOB					
Circuit Ir	nformat	ion										
	Init	JOHN D	OCE	TEL N	o 9	99-999-99	999-88	88888		nit Fax N	lo	
Ini	t Email											
DSG C	Contact	JOHN D	OE	TEL N	o 9	99-999-9	999-88	88888	D	SG Fax I	No 999	9 999-9999
DSC	G Email			Stree	et 1	00 MAIN	ST			Flo	or	
	Room	E171		Cit	y A	NYTOW	N		State	MA Z	'ip XX	XXX
IMP C	ontact	TECH C	IN DUTY	TEL N	09	99 999-99	999					
]	D/T Rec	MM/DD	/YY TIME	DR	C				FDRC			
CBT	el No			CBP	C							

Switched Ethernet Service Request [SES]											
CCNA	PON	VER	ICSC	STATUS	CURREN	t moe	)E				
ABC	ENNIPPA1G-C	AA	NY01		View Only						
Circuit Deta	ails										
NC PROFE	KFE- NCI 02LNF.A02	SECNCI	02CXF.N1G PRO	SR SBD <sup>i</sup> Fl	N BUM	BI	ES				
LAG-ID	)	LAG-P									
DIVCKT	-		[	DIVPON							
Location											
CCE GET	A O GBTN		GCON	CUDNET	GTEL						
IP ADDRES			IPAI		MASK						
SECLOC LS	0 212XXX	SECL		IYCMNYXXDXX							
Service Op	tions										
REMARKS											

## ASR ACTIVITY OF C - CHANGE TO ADD TSP

Change orders for TLS ENNI Packaged Port & Access service to add TSP are permitted on SD [Network] Request Types.

The following ASR Exhibit provides the required fields for a customer to populate when requesting a change on an ENNI Packaged Port & Access circuit to add TSP [TSP field].

NOTE 1: This type of change requires that all ordering components of the ENNI remain as is; the only change permitted is to the TSP field.

NOTE 2: ASR Activity of C generates a one-time Non-recurring charge to the customer's bill for each ENNI change request.

Any non-recurring charge for TSP change/add is billed to the customer's account.

NOTE 3: The service interval for a change request requires six [6] business days.

NOTE 4: TSP changes do not require a dispatch.

#### **ASR EXHIBIT #5**

## CHANGE TO ADD TSP TO EXISTING ENNI PACKAGED PORT AND ACCESS CIRCUIT TSP WITH PRIORITY INSTALLATION/PRIORITY RESTORATION REQUEST TYPE = SD [POP TERMINATION]

Access	Service	Reques	st [ASR]									
CCNA	PON				VEF	2	ICSC	STA	TUS	Cl	JRREN	T MODE
ABC	ENN	II-PPA10	G-TSP		AA		NJ90			Vi	ew Only	у
CC		UNE		SPEC	ERSNF	PA TSF	PTSP12	345A-33	ReqTy	/pe <mark>SD</mark>	S	RN SEI <mark>y</mark>
ACT	С	DDD	CUST [	DDD	FDT	-	Sup		EXP		EDA	
QSA		BAN	201 M1	7-XXXX	CUS	S XXX	LTP		RTR	F		
Cust	D	/T Sent	MM/DD	/YY TIME	ACTI		TSC		Qty1	000002	2	
LA	L	A Name		LA	A Dated		AFO		LAG			
Unit	С	ACTL	NWRK	UJXXW02	APOT	Γ	LATA	224				
CKR	Custom	er CKR			ECCK	.KGGD	).111111	INJ	JPR	2		ASG
PIU	100	PLU			WSI		LUP		TQ		EVCI	
ALBR	A	GAUTH		Dated			NMB A	Applicable				
Project		PPTD		RPON			NAG		CCVN			
NOR		RORD		AENG	i		CBD		CCI			
		ASC-EC		QNAI		BSA	1	LNI		FBA		
	-	PSL		PSLI		CNO		TNT		QA		
	WST				ISTN	1					VZB	
	FNI				FN	l		RENI			CENI	
	SAN				AFC			SPA				
DEMADI	BIC				BIC I e			· · · ·			BICID	
REMARK	S Optic	onal for o	custome	r informat	10n - 1	Add TSP	Priority	service to	o existi	ng circuit		
Adminis	strative l	nformat	tion [AD	[M								
	ACNA	ABC			TE		FUSF	E			EBP	
В	ill Name	ABC				SBil	I Name	BILLING	MGT			
	Street	100 M	AIN ST				Floor				Room	
	City	ANYTO	OWN				State	MA			Zip	XXXXX
Bill	Contact	ACCES	SS BILL	MGR Te	l No	999-999-	9999-88	88888	Bill	Contact	Email	
	VTA	60		VC	CVTA		IWBAN					
	MTCE	APC		MTCE T	el No	999 999-	9999			MTCE	Email	
<u>.</u>	PNUM	FB123	4567		PSD		LOB					
Circuit Ir	nformati	ion										
	Init	JOHN D	OOE	TEI	_ No	999-999-	9999-88	88888		Init Fax I	٧o	
Ini	it Email											
DSG (	Contact	JOHN D	OE	TE	l No	999-999-	9999-88	88888	I	DSG Fax	No 999	999-9999
DSO	G Email			S	treet	100 MAI	N ST		<b>.</b>	Flo	or	
	Room	E171			City	ANYTOV	VN		State	MA	Zip XX	XXX
IMP C	Contact	TECH C	N DUTY	TEI	L No	999 999-0	9999					
	D/T Rec	MM/DD	/YY TIM	IE	DRC				FDRC			
CB	TEL NO			С	BPC							

Switched E	Switched Ethernet Service Request [SES]											
CCNA	PON	VER	ICSC	STATUS	CUI	RRENT	MODE					
ABC	ENNI-PPA10G-TSP	AA	NJ90		Vie	w Only						
Circuit Deta	ails											
NC PROFE	KGE- NCI 02LNF.A02	SECNCI 02CX	F. <mark>NXG</mark> PROFI	SR SBDW	BUM	BI	ES					
LAG-IE	- )	LAG-P	i norr									
DIVCKT			DIVF	PON								
Location												
CCE GET	A O GBTN	GC	CON	G	ſEL							
IP ADDRES	S	I	PAI	SUBNET MA	SK							
ES	P NWRKNJXX16W		0	TC								
SECLOC LS	O 201XXX	SECLOC S	WC NWF	RKNJXXDXX								
Service Op	tions											
REMARKS												

## ASR ACTIVITY OF C – CHANGE TO ADD IP AND SUBNET MASK ADDRESSES

Change orders for TLS ENNI Packaged Port & Access service to add, modify, or remove the IP and/or Sub Net Mask Addresses are permitted on SD [Network] Request Types.

The following ASR Exhibit provides the required fields for a customer to populate when requesting a change to the IP Address and Sub Net Mask Address.

NOTE 1: This type of change requires that all ordering components of the ENNI remain as is; the only change is to the IP ADDRESS, IPAI, and SUB NET MASK fields.

NOTE 2: ASR Activity of C generates a one-time Non-recurring charge to the customer's bill for each ENNI change request. EVCs associated to the ENNI are retained and are not required to be disconnected and reordered after the ENNI change is implemented.

NOTE 3: The service interval for a change request requires six [6] business days.

## ASR EXHIBIT #6 CHANGE TO ADD IP AND SUB NET MASK ADDRESSES 1GBPS ENNI PACKAGED PORT AND ACCESS REQUEST TYPE = SD [POP TERMINATION]

Access	Service	Reques	st [ASR]								
CCNA	PON	١		VER	ICSC	;	STATUS		CURREN	IT MO	DE
ABC	ENN	VIPPA-10	GCHG	AA	NY01				View On	ly	
CC		UNE		SPE	C ERSNP	A	TSP	Req	Type SD		SRN SEI Y
ACT	С	DDD	CUST DDD	FC	T	Sup		EXP	_	EDA	
QSA		BAN	212 M17-XX	XX CL	IS XXX	LTP		RTR	F		
Cust	L L	%I Sent	MM/DD/YY I	IME ACI	1	ISC		Uty1	0000001		
LA	L					AFU	00		100		
	Custom								132		460
				EUUr		U. 1234	Y VIOC	JPR		EVCI	ASG
		GALITH	П	.vv hote(	31		Annlicable	10			
Project	· · ·	PPTD	5			NAG	присаріс	COVN			
NOR		RORD	A	ENG		CBD		CCI			
		ASC-EC	(	DNAI	BSA		LNI		FBA		
	-	PSL		PSLI	CNO		TNT		QA		
	WST			IST	N					VZB	
	FNI			FI	T		RFNI			CFNI	
SAN				AFG			SPA				
BIC				BIC T	el					BICID	
<b>REMARKS</b> Optional for customer information – Add IP and Subnet Mask addresses to existing circuit											
Adminis	trative l	nformat	ion [ADM]								
	ACNA	ABC		TE		FUSF	E			EBP	
Bi	III Name	ABC			SBill	Name	BILLING	MGT			
	Street	100 M	AINSI			Floor			K	loom	
Dill	City			Tol No	000 000 (	State		Dill	Contact [		****
DIII (		AUCES	S BILL WGR		999-999-9	1999-00 \//D//\N	00000	DIII	Contact	Inali	
	MTCE		МТ		000 000					mail	
	PNIM	FB123	4567		,,,,,,-	LOB				_man	
onourn	Init		OF	TEL No	999-999-0	999-88	88888		nit Fax N	0	
Ini	t Email		-					-		•	
DSG C	Contact	JOHN D	OE	TEL No	999-999-	9999-88	888888	D	SG Fax N	lo <mark>99</mark> 9	9 999-9999
DSC	G Email			Street	100 MAIN	I ST			Floo	or	
	Room	E171		City	ANYTOW	/N		State	MA Z	ip <mark>XX</mark>	XXX
IMP C	Contact	TECH C	N DUTY	TEL No	999 999-9	999					
[	D/T Rec	MM/DD	/YY TIME	DRC				FDRC			
CB T	TEL NO			CBPC							

Switched Ethernet Service Request [SES]									
CCNA	PON	VER	ICSC	STATL	IS	CURREN	IT MO	DE	
ABC	ENNIPPA-1GCHG	AA	NY01			View On	ly		
Circuit Deta	Circuit Details								
NC PROFE	KFE- NCI 02LNF.A02	SECN	CI 02CXF.N1G PROF	SR I	SBDW	BUM	BI	ES	
LAG-IE	)	I	LAG-P						
DIVCKT	Γ	DIVPON							
Location									
CCE Get IP Addres	A O GBTN S 121.111.114.128		GCON IPAI 4		G SUBNET I	tel Mask 5.25	5.132.	401	
ES	P NYCMNYWE06W		OTC						
SECLOC LS	0 212XXX	SE	SECLOC SWC NYCMNYXXDXX						
Service Options									
REMARKS									

#### EVC POINT TO POINT ASR ORDER MATRIX TLS ENNI/EVC COMBINATION ASR ENNI PORT ONLY AND ENNI PACKAGED PORT & ACCESS

The matrix below provides the valid combinations for the EVC pages of the ENNI/EVC Combination ASR in relation to the NC, NCI Codes, along with a Service Description for the Point-to-Point EVC Service Type. NOTE: RUID 1 will be the ENNI circuit on an ENNI/EVC Combination ASR.

EVC DESCRIPTION	SERVICE CODE MODIFIER	NC CODE	NCI FOR RUID 1 ENNI	NCI FOR RUID 2 UNI
ENNI to ERS Premier UNI – Point to Point EVC	VLXP	VLP-	02VLN.VP	02VLN.UL3
02VLN.UL3 - Untagged 02VLN.VP - Tagged			02VLN.VP	02VLN.VP
ENNI to ERS Tunnel Access UNI – Point to Point EVC 02VLN.VP = Tagged	VLXP	VLP-	02VLN.VP	02VLN.VP

#### **EVC ACTIVITY TABLE** TLS ENNI/EVC COMBINATION ASR **ENNI PORT ONLY AND ENNI PACKAGED PORT & ACCESS**

The following activity combinations provide the requirements for EVC Activity on an ENNI/EVC Combination ASR. [ASR ACT, UACT, LOSACT, and VACT] N = New

- D = Disconnect
- K = Cancel

NOTE: The values populated in the LOS and BDW fields are examples only.

TYPE OF ACTIVITY	ASR ACT	UACT	LOSACT	LOS	BDW	CE-VLAN POPULATED	VACT
Install ENNI/EVC	Ν	Ν	Ν	BASIC	50M	Yes	Ν
[Example: BASIC 50M]							
With Preferred EVC VLAN							
Install ENNI/EVC	Ν	Ν	Ν	BASIC	50M	No	BLANK
[Example: BASIC 50M]							
No preferred EVC VLAN							
Disconnect ENNI/EVC	D	D	N/A	N/A	N/A	N/A	BLANK
Cancel ENNI Termination	Ν	K	N/A	N/A	N/A	N/A	N/A
Cancel a LOS	Ν	N/A	K	N/A	N/A	N/A	N/A

## EVC POINT-TO-POINT LEVELS OF SERVICE & BANDWIDTH COMBINATIONS TABLE TLS ENNI/EVC COMBINATION ASR ENNI PORT ONLY AND ENNI PACKAGED PORT & ACCESS

For each Point-to-Point EVC associated to an ENNI Port circuit, the customer is required to provide a level of service and specific bandwidth for the EVC.

Below are the valid combinations for this service type.

TLS ENNI CIRCUIT TYPE	LEVEL OF SERVICE	BANDWIDTH
ENNI Port Only with IAOJ	BASIC	1M, 2M, 3M, 4M, 5M, 6M, 7M,
ENNI Packaged Port & Access		8M, 9M, 10M, 20M, 30M, 40M,
		50M, 60M, 70M, 80M, 90M,
		100M, 200M, 300M, 400M, 500M,
		600M, 700M, 800M, 900M,
		1000M
ENNI Port Only with IAOJ	PRIORITY DATA	1M, 2M, 3M, 4M, 5M, 6M, 7M,
ENNI Packaged Port & Access		8M, 9M, 10M, 20M, 30M, 40M,
		50M, 60M, 70M, 80M, 90M,
		100M, 200M, 300M, 400M, 500M,
		600M, 700M, 800M
ENNI Port Only with IAOJ	REAL TIME	1M, 2M, 3M, 4M, 5M, 6M, 7M,
ENNI Packaged Port & Access		8M, 9M, 10M, 20M, 30M, 40M,
		50M, 60M, 70M, 80M, 90M,
		100M, 200M, 300M, 400M, 500M,
		600M, 700M, 800M