Sprint Welch
Rebearing Cross 1

Document Info:

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Printer Friendly Version

Products & Services
UNE
Sub-Loop

Sub-Loop

Overview

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Firm Order Confirmation

OFFICIAL FILE

ILL. C. C. DOCKET NO. 00-0393
Sprint Welch
Rebearing Cross Exhibit No. 1

Witness

Date 7/25/01 Reporter CB

Unbundling sub-loops allows Competitive Local Exchange Carriers (CLECs) access to outside loop plant facilites at interconnection points along the traditional loop path. Traditionally, a loop has been defined as a contiguous transmission path betweent he Main Distribution Frame (MDF) or similar frame to the Network Interface Device (NID) located at the End User's (EU's) location. Sub-loop unbundling now will enable CLECs to gain access to theloop plant serving the EU at various accessible points along the path. As defined by the UNE Remand, an accessible terminal is a point on the loop where technicians can access the wire or fiber within the cable without having to remove a splice case, to reache the wire or fiber. Such points include

- Serving Area Interface (SAI)
- Feeder Distribution Interface (FDI)
- Terminal (aerial or buried)
- Network Interface Device (NID)

At the request and at the expense of the CLEC, SBC will build a Single Point of Interconnection (SPOI) at a Multiple Dwelling Unit (MDU) or a Multiple Tenant Unit (MTU).

Note: In order to collocate electronic equipment at a Remote Terminal (RT), refer to the Collocation Guidelines in the Collocation section of this handbook.

Service Description

The FCC has defined a Sub-loop as access to loop plant at an interconnection point (terminals and/or termination points) within an ILEC's network. This interconnection point differs from the traditional MDF and/or compatible frame. The identified interconnection points include the following:

- the MDF (Main Distribution Frame) or CO (Central Office)
- the ECS (Engingeering Controlled Splice)
- the SAI/FDI (sac box) Serving Access Interface/Feeder Distribution Interface)
- the Terminal (underground or aerial)
- the NID (Network Interface Device)
- the SPOI (Single Point of Interconnection)

Sub-loops will originate and terminate at these sub-loop interconnection points based on the following:

- CLEC Sub-loop Access Arrangement
- Type of Sub-loop (e.g. Analog, digital, DSL)

Types of Sub-Loops

The table below identifies interconnection points at which CLECs may request access. SBC will provide the Sub-loop types in the following configurations where technically feasible:

Sub-loop Interconnection Locations	2-Wire Analog	4-Wire Analog (Note 1)	4-Wire DS1	DS3	2-Wire DSL	4-Wire DSL	ISDN
CO-RT	N	N	Y	Y	N	N	N
CO-ECS	Y	Y	N	N	Y	Y	Y*
CO-SAI	Y	Y	N	N	Y	Y	Y
CO-TERM	Y	Y	N	N	Y	Y	Y
ECS-SAI	Y	Y	N	N	Y	Y	N
ECS-TERM	Y	Y	N	N	Y	Y	N
ECS-NID	Y	Y	N	N	Y	Y	N
SAI-TERM	Y	Y	N	N	Y	Y	N
SAI-NID	Y	Y	N	N	Y	Y	N
TERM-NID	Y	Y	N	N	Y	Y	N
SPOI-ONLY (note 2)	BFR	BFR	BFR	BFR	BFR	BFR	BFR

Note 1: Not provided in SNET

Note 2: *Provided using Bona Fide Request (BFR) process.*

* Non-repeatered only

Note: Refer to Dark Fiber and Line-sharing sections of the CLEC Handbook for specific guidelines on Dark Fiber and Line-sharing sub-loops.

The CLEC must have the following in place before ordering unbundled loops provided by SBC:

- SBC will offer Sub-Loops via contract amendment or by tariff/amendment (AIT-IL/MI/WI; SNET). If an interconnection contract is not in place (exception: SNET), the CLEC order will be rejected.
- CLEC must establish Sub-loop access arrangement facilities and associated connection facility arrangement (CFA) prior to submitting a sub-loop order. SBC will not 'reserve' facilities.
- Sub-loops will be a stand alone product offering not to be used or combined with any other unbundled network element.
- The Sub-loop will only be provided if it is available; no construction will occur to make a Sub-loop facility available. SBC will perform minor modifications (i.e., LST; clear defective pair; install card or plug-in, etc.) to ensure the availability of the Sub-Loop
- SBC will provide the Sub-loop 'as is'; if the CLEC requests any type of DSL conditioning additional charges will apply.
- CLEC is responsible for obtaining necessary permits and Right of Way.

Forecasting

SBC requests that CLECs provide a forecast of their anticipated unbundled Sub-loop volume using the Sub-Loops Forecast Matrix form. On this form, SBC is requesting that the CLEC provide a six-month rolling forecast updated monthly or as defined in the interconnection agreement. Should any significant changes occur that would supersede the original forecast submitted by the CLEC, SBC requests that the CLEC provide SBC with that information as soon as possible utilizing the same SBC Loops Forecast Matrix forms.

Ordering Requirements

Prior to ordering sub-loop facilites, CLECs must establish Collocation (using the collocation process) or establish a Sub-loop Access Arrangement.

Sub-Loop Inquiry/Application Process

CLECs initiate the process for constructing a sub-loop access arrangement by submitting a completed Sub-loop Access Arrangement Inquiry/Application to their account manager. A Cost Estimate will then be prepared for the actual construction ~~and~~ labor costs to build the sub-loop access arrangement. SBC requires an upfront payment, a minimum of %50 or the cost, and the balance is due upon completion. The CLEC has sole responsibility for obtaining Right of Way and all necessary permits.

Processing Steps:

- CLEC completes Sub-loop Access Arrangement Inquiry/Application. CLECs should download this form from this website and e-mail it to their Account Manager. Instructions for the application are available in the UNE Forms section.

  Inquiries:

  - If a facility check only is desired, check the box marked Inquiry.
  - Available facility information will be returned within 10 business days.

  Application:

  - If this is an Application to request a Cost Estimate for a 'Sub-loop Access Arrangement,' check the box marked Application.
  - A Cost Estimate will be provided within 30 calendar days.

  CLEC agrees to Estimate:

  - CLECs must provide proof that they have obtained Right of Way
  - CLECs must provide proof that they have obtained necessary Permits
  - CLECs sign Approval and submit it to OSPE SPOC (Outside Plant Engineering Single Point of Contact).
  - CLECs obtain ACTLs from Telecordia.
  - OSPE SPOC forwards copy of signed Approval to Account Manager.

presented to SBC. From this time, SBC will have 90 days to complete construction.

Sub-Loop Ordering

CLEC issues, via LSR, orders for the provisioning of individual Sub-loops as required. For an interim period, SBC will accept manual orders from the CLECs for sub-loop orders.

Note: The CLEC may submit Sub-loop orders via the LSR once the access arrangement has been established and the CFA information is made available. The Sub-loop Inquiry and Sub-loop Access Arrangement will only be required for the initial setup; once in place, subsequent Sub-loops may be ordered via LSR.

Local Service Centers

Ameritech (AIT)

LOCAL SERVICE CENTER
804 N. Milwaukee Street
Milwaukee, WI 53202
Telephone: 1-800-924-3666 VRU Menu 5 Option 4
Fax: 1-414-678-4283 CSR Request and LOA Submission Fax: 1-414-227-6917
Days of Operation: Monday through Friday
Hours: 7:00 AM - 5:00 PM CST

SWBT

LOCAL SERVICE CENTER-Dallas
1 Bell Plaza
Flr 7
Dallas, TX 75202
Telephone: 1-888 599-0278
Fax: 1-800 506-2515
Days of Operation: Monday through Friday
Hours: 8:00 AM - 5:30 PM CST

LOCAL SERVICE CENTER-Ft. Worth
5501 Alliance Gateway Fwy.
Ft. Worth, TX 76178
Business Telephone: 1-888 599-0278
Residence Telephone: 1-800 241-0268
Interconnection Telephone: 1-888 599-0278
Fax: 1-877 837-3639
Days of Operation: Monday through Friday
Hours: 8:00 AM - 5:30 PM CST

PB/NB

LOCAL SERVICE CENTER-Anaheim
Attn: FLSC Center
200 Center St. Promenade Rm 800
Anaheim CA. 92805
Telephone: 1-800 458-4477 (choose North FLSC press 32, then 2)
Fax: 1-714 533-0198
Days of Operation: Monday through Friday
Hours: 8:00 AM - 5:00 PM CST

LOCAL SERVICE CENTER-San Francisco
Attn: FLSC Center
370 3rd St. Rm 311
San Francisco, CA. 94107
Telephone: 1-800 458-4477 (choose North FLSC press 32, then 2)
Fax: 1-415 978-0713
Days of Operation: Monday through Friday
Hours: 8:00 AM - 5:00 PM CST

LOCAL SERVICE CENTER-Reno
1450 Vassar Rm 200
Reno, NV. 89502
Telephone: 1-800 799-2793
Fax: 1-775 334-1490
Days of Operation: Monday through Friday
Hours: 8:00 AM - 5:00 PM CST

SNET

LOCAL SERVICE CENTER-Meriden
530 Preston Ave.
Meriden, CT. 06450
Telephone: 1-800 335-5322
Fax: 1-800-685-5344
Days of Operation: Monday through Friday
Hours: 8:00 AM - 5:00 PM

Ordering Detail

The following table identifies the details required for ordering SBC sub-loops, including SPEC codes for SWBT and PB/NB.
Ameritech SPEC codes and SNET SPEC codes are listed in following tables.

Offering Description	NC Codes	CLCI SS Codes	NCI codes	SEC NCI codes	SPEC codes
Sub-Loop CO to RT at DS3 rate	LX--	HFFU	04QB6.33 04QB6.33	04QD6.33 04QE6.33	UNBSBF
Sub-loop CO to SAI/FDI at 2-wire Analog rate	LX--	LXFU	02QD2.00E 02QD2.00B 02QD2.00F 02QD2.RVO 02QC2.00B 02QC2.00D 02QC2.00F 02QC2.RVO	02LO2 02GS2 02NO2 02RV2.T 02QD2.00C 02QD2.00E 02QD2.00F 02QD2.RVT	USLMSF
*Sub-loop CO to SAI/FDI at 4-wire Analog rate	LX--	LXFU	04QD2.00F 04QC2.00B 04QC2.00D 04QC2.00F 04QC2.RVO	04NO2 04QD2.00C 04QD2.00E 04QD2.00F 04QD2.RVT	USLMSF
Sub-loop CO to SAI/FDI at 2-wire DSL capable rate	LX--	LXFU LXFP	02QD9.005 02QB9.005 02QB9.0S5	02DU9.005 02QE9.005 02QE9.005	USLMSF
Sub-loop CO to SAI/FDI at 4-wire DSL capable rate	LX--	LXFU LXFP	04QD9.005 04QB9.005 04QB9.0S5	04DU9.005 04QE9.005 04QE9.005	USLMSF
Sub-loop CO to SAI/FDI at DS1 rate	LX--	HCFU	04QB9.11 04QB9.11	04QD9.11 04QE9.11	USLMSF
Sub-loop CO to SAI/FDI at 2-wire ISDN, BRI	LX--	HAFU	02QD2.00S 02QC5.00S	02IS5 02QD5.00S	USLMSF
Sub-loop CO to Terminal at 2-wire Analog rate	LX--	LXFU	02QD2.00E 02QD2.00B 02QD2.00F 02QD2.RVO 02QC2.00B 02QC2.00D 02QC2.00F 02QC2.RVO	02LO2 02GS2 02NO2 02RV2.T 02QD2.00C 02QD2.00E 02QD2.00F 02QD2.RVT	USLMTM
*Sub-loop CO to Terminal at 4-wire Analog rate	LX--	LXFU	04QD2.00F 04QC2.00B 04QC2.00D 04QC2.00F 04QC2.RVO	04NO2 04QD2.00C 04QD2.00E 04QD2.00F 04QD2.RVT	USLMTM
Sub-loop CO to Terminal at 2-wire DSL capable rate	LX--	LXFU LXFP	02QD9.005 02QB9.005 02QB9.0S5	02DU9.005 02QE9.005 02QE9.005	USLMTM

Offering Description	NC Codes	CLCI SS Codes	NCI codes	SEC NCI codes	SPEC codes
Sub-loop CO to Terminal at 4-wire DSL capable rate	LX--	LXFU LXFP	04QD9.005 04QB9.005 04QB9.0S5	04DU9.005 04QE9.005 04QE9.005	USLMTM
Sub-loop CO to Terminal at DS1 rate	LX--	HCFU	04QB9.11 04QB9.11	04QD9.11 04QE9.11	USLMTM
Sub-loop CO to Terminal at 2-wire ISDN, BRI	LX--	IAFU	02QD2.00S 02QC5.00S	02IS5 02QD5.00S	USLMTM
Sub-loop CO to ECS 2-wire Analog rate	LX--	LXFU	02QD2.00E 02QD2.00B 02QD2.00F 02QD2.RVO 02QC2.00B 02QC2.00D 02QC2.00F 02QC2.RVO	02LO2 02GS2 02NO2 02RV2.T 02QD2.00C 02QD2.00E 02QD2.00F 02QD2.RVT	USLMES
*Sub-loop CO to ECS 4-wire Analog rate	LX--	LXFU	04QD2.00F 04QC2.00B 04QC2.00D 04QC2.00F 04QC2.RVO	04NO2 04QD2.00C 04QD2.00E 04QD2.00F 04QD2.RVT	USLMES
Sub-loop CO to ECS DS1 rate	LX--	HCFU	04QB9.11 04QB9.11	04QD9.11 04QE9.11	USLMES
Sub-loop CO to ECS 2-wire DSL capable rate	LX--	LXFU LXFP	02QD9.005 02QB9.005 02QB9.0S5	02DU9.005 02QE9.005 02QE9.005	USLMES
Sub-loop CO to ECS 4-wire DSL capable rate	LX--	LXFU LXFP	04QD9.005 04QB9.005 04QB9.0S5	04DU9.005 04QE9.005 04QE9.005	USLMES
Sub-loop CO to ECS 2-wire ISDN, BRI (Non-repeatered only)	LX--	IAFU	02QD2.00S 02QC5.00S	02IS5 02QD5.00S	USLMES
Sub-loop ECS to SAI/FDI 2-wire Analog rate	LX--	LXFU	02QD2.00E 02QD2.00B 02QD2.00F 02QD2.RVO 02QD2.00B [illegible]	02LO2 02GS2 02NO2 02RV2.T 02QD2.00C [illegible]	USLESS

			02QD2.00F 02QD2.RVO	02QD2.00F 02QD2.RVT	
*Sub-loop ECS to SAI/FDI 4-wire Analog rate	LX--	LXFU	04QD2.00F 04QD2.00B 04QD2.00D 04QD2.00F 04QD2.RVO	04NO2 04QD2.00C 04QD2.00E 04QD2.00F 04QD2.RVT	USLESS
Sub-loop ECS to SAI/FDI 2-wire DSL rate	LX--	LXFU LXFP	02QD9.005 02QE9.005	02DU9.005 02QE9.005	USLESS
Sub-loop ECS to SAI/FDI 4-wire DSL rate	LX--	LXFU	04QD9.005 04QE9.005	04DU9.005 04QE9.005	USLESS
Sub-loop ECS to Terminal 2-wire Analog rate	LX--	LXFU	02QD2.00E 02QD2.00B 02QD2.00F 02QD2.RVO 02QD2.00B 02QD2.00D 02QD2.00F 02QD2.RVO	02LO2 02GS2 02NO2 02RV2.T 02QD2.00C 02QD2.00E 02QD2.00F 02QD2.RVT	USLEST
*Sub-loop ECS to Terminal 4-wire Analog rate	LX--	LXFU	04QD2.00F 04QD2.00B 04QD2.00D 04QD2.00F 04QD2.RVO	04NO2 04QD2.00C 04QD2.00E 04QD2.00F 04QD2.RVT	USLEST
Sub-loop ECS to Terminal 2-wire DSL capable rate	LX--	LXFU LXFP	02QD9.005 02QE9.005	02DU9.005 02QE9.005	USLEST
Sub-loop ECS to Terminal 4-wire DSL capable rate	LX--	LXFU LXFP	04QD9.005 04QE9.005	04DU9.005 04QE9.005	USLEST
Sub-loop SAI/FDI to Terminal at 2-wire Analog rate	LX--	LXFU	02QD2.00E 02QD2.00B 02QD2.00F 02QD2.RVO 02QD2.00B 02QD2.00D 02QD2.00F 02QD2.RVO	02LO2 02GS2 02NO2 02RV2.T 02QD2.00C 02QD2.00E 02QD2.00F 02QD2.RVT	USLSFT
*Sub-loop SAI/FDI to Terminal at 4-wire Analog rate	LX--	LXFU	04QD2.00F 04QD2.00B 04QD2.00D 04QD2.00F	04NO2 04QD2.00C 04QD2.00E 04QD2.00F	USLSFT

			04QD2.RVO	04QD2.RVT	
Sub-loop SAI/FDI to Terminal at 2-wire DSL capable rate	LX--	LXFU LXFP	02QD9.005 02QE9.005	02DU9.005 02QE9.005	USLSFT
Sub-loop SAI/FDI to Terminal at 4-wire DSL capable rate	LX--	LXFU LXFP	04QD9.005 04QE9.005	04DU9.005 04QE9.005	USLSFT
Sub-loop SAI/FDI to End User Network Interface Device-Analog	LX--	LXFU	02QD2.00D 02QD2.00B 02QD2.00F 04QD2.00F 02QD2.RVO	02LS2 02GS2 02NO2 04NO2 02RV2.T	USLSFN
Sub-loop Terminal to End User Network Interface Device-Analog	LX--	LXFU	02QD2.00D 02QD2.00B 02QD2.00F 04QD2.00F 02QD2.RVO	02SL2 02GS2 02NO2 04NO2 02RV2.T	USLTMN
Offering Description	NC Codes	CLCI SS Codes	NCI codes	SEC NCI codes	SPEC codes
Sub-loop SAI/FDI to End User Network Interface Device 2-wire DSL capable rate	LX--	LXFU LXFP	02QD9.005 02QE9.005	02DU9.005 02DU9.005	USLSFN
Sub-loop SAI/FDI to End User Network Interface Device 4-wire DSL capable rate	LX--	LXFU LXFP	04QD9.005 04QE9.005	04DU9.005 04DU9.005	USLSFN
Sub-loop Terminal to End User Network Interface Device 2-wire DSL capable rate	LX--	LXFU LXFP	02QD9.005 02QE9.005	02DU9.005 02DU9.005	USLTMN
Sub-loop Terminal to End User Network Interface Device 4-wire DSL capable rate	LX--	LXFU LXFP	04QD9.005 04QE9.005	04DU9.005 04DU9.005	USLTMN
Sub-loop ECS to End User Network Interface Device-Analog rate	LX--	LXFU	02QD2.00D 02QD2.00B 02QD2.00F 04QD2.00F 02QD2.RVO	02LS2 02GS2 02NO2 04NO2 02RV2.T	USLESN

Sub-loop ECS to End User Network Interface Device 2-wire DSL capable rate	LX--	LXFU LXFP	02QD9.005 02QE9.005	02DU9.005 02DU9.005	USLESN
Sub-loop ECS to End User Network Interface Device 4-wire DSL capable rate	LX--	LXFU LXFP	04QD9.005 04QE9.005	04DU9.005 04DU9.005	USLESN

*Not available in Connecticut

Note:

Currently this matrix is only showing the '.005' and '.0S5' PSD mask as an offering. This corresponds to the ADSL product offering in our Company. Spectrum Masks 1-7 will be reflected with '001-007'.

As a quick reference guide, until the CCGs are updated here are the definitions:

NC Code

LX - Standard Unbundled Loop Without Equipment with No Options

CLCI / SS (Circuit ID)

Service Code

HC Digital High Capacity Channel Service HC1, 1.544 Mbps

HF Digital High Capacity Channel Service HC3, 44.736 Mbps

IA ISDN Basic Rate Line

LX Standard Unbundled Loop Without Equipment with No Options

5th Position Modifier (Jurisdiction)

F Intrastate Modifier: The IC interstate usage is less than 10% interstate as determined by the 'PIU' FID, for Feature Group A services, the 'UTNT' FID initially indicated less than 10% interstate usage

6th Position Modifier

U ONA/Unbundled

NCI Code

Due to the larger number of NCIs referenced, please refer to the CCGs for the codes that have been in use previously. Here is a quick run down of just the few new codes, which may not be in the CCGs quite yet.

QD		Field Location Manual Crossconnect DS0/Voice Termination
	00B	Ground Start Open End
	00C	Ground Start Closed End
	00D	Loop Start Open End
	00E	Loop Start Closed End
	00F	Transmission Only, No Signaling
	00S	Basic Rate ISDN
	RVO	Reverse Battery Originating Loop
	RVT	Reverse Battery Terminating Loop
QE		Field Location Manual Cross-Connect Termination with no
	001	Spectrum management class 1 per t1e1.4/99-002
	002	Spectrum management class 2 per t1e1.4/99-002
	003	Spectrum management class 3 per t1e1.4/99-002
	004	Spectrum management class 4 per t1e1.4/99-002
	005	Spectrum management class 5 per t1e1.4/99-002
	007	Spectrum management class 7 per t1e1.4/99-002
	1 1	DS1 to DS1 this code may or may not meet DS1 signal levels
	3 3	DS3 to DS3 this code may or may not meet DS3 signal levels
	X	Dark Fiber

Ameritech Sub-loop SPEC Codes

UNBSBF	CO-RT
UNBSBF (USLMES #)	CO-ECS
USLMSF	CO-SAI/FDI
USLMTM	CO-TERM
USLRSF (USLESS #)	ECS-SAI
USLRTM (USLEST #)	ECS-TERM
UNBSBL (USLESN #)	ECS-NID
USLSFT	SAI/FDI-TERM
USLSFN	SAI/FDI-NID
USLTMN	TERM-NID
	NID
	SPOI

Implementation tentatively scheduled for September 2001

SNET Sub-loop SPEC Codes

Sub-loop SPEC Code	Interconnection Points
UNBSBF	CO to ECS
USLMSF	CO to SAI/FDI
USLMTM	CO to Terminal
USLRSF	ECS to SAI/FDI
USLSFT	SAI/FDI to Terminal
UNBSBL	ECS to NID
USLTMN	Terminal to NID
USLSFN	SAI/FDI to NID
USLRTM	ECS to Terminal

Ordering Method

CLECs order Sub-Loops by using the LSR, End User Form(s), and the Loop Service Form.

The LSR provides information to SBC for provisioning the service, establishing an account, and billing the TC for service.

Using a standard language accepted in the telecommunications industry, the LSR incorporates information about the CLEC and technical information about the service. Blank versions of the LSR are available from the Alliance for Telecommunications Industry Solutions (ATIS) at www.atis.org/atis/clc/obf/obfcoc.htm.

CLECs must complete all sections of the LSR or a rejection of the order may occur.

The following CLEC related information appears on the LSR:

- The Administrative section, which provides the CLECs ACNA code, purchase order number, quantity of services ordered, requisition type, desired due date, activity code, and similar information.
- The Bill section, which provides the billing name and address as well as a CLEC billing contact name and telephone number. This section also allows the CLEC to order magnetic tape.
- The Contact section, which lists the CLEC requesting the service and the person who is available to answer questions. The CLEC also uses this section to provide the name and telephone numbers of CLEC personnel who design and implement the service.

Completed LSRs are forwarded to Local Service Center for processing. This is accomplished through the appropriate mechanism that the CLEC has established with SBC for LSR processing. For more information on LSR distribution to SBC please contact your SBC Account Manager.

CFA RULES

Unbundled sub-loops require a valid Cable CFA assignment by the CLEC. The CLEC has the responsibility to track its CFAs, and The CLEC should exercise care to ensure that the CFA indicated on the LSR is correct and not already in use. The only type of CFA used for Unbundled loops is referred to as a 'cable' CFA, which is provided via a tie cable that is under the CLEC's assignment control.

The following defines the different components of Connecting Facility Assignment (CFA):

Example:

00001 DS02 13 (A) CLLI (Z) CLLI

The CFA components are defined as follows:

00001 Tie Cable designation, numeric only always five (5) characters, zero-filled

DS02 For all unbundled sub-loops must be DS02 (0 = numeric zero)
1.544 Mbps Unbundled Loops must be DSX1

1.544 Mbps Unbundled Loops must be DSX1
Important: A TC cannot order 2-wire and /or 4-wire unbundled loops with DSX1, it must be DS02.

13 Tie cable pair 1-99

(A) CLLI Always the Central office 8 Character CLLI for the same central office as the unbundled sub-loop.

(Z) CLLI Always the TC's 11 Character CLLI for the same central office as the unbundled sub-loop.

Note: for 4-Wire Loops: Each 4-wire unbundled sub-loop will require two (2) sequentiel 2-wire CFAs.

The CFAs provided by the TC must be a-range of pairs in sequentiel, ascending order – for example 1-2, 16-17. The TC cannot use a lead CFA of 1 if 2 is already occupied. The above applies to all unbundled sub-loops except the 1.544 Mbps, 4-Wire unbundled sub-loop.

The low CFA is used to transmit: the high CFA is used to receive.

Firm Order Confirmation

After the CLEC has sent the complete and accurate unbundled sub-loop request, the Local Service Center will send a Firm Order Confirmation (FOC) back to the CLEC. The LSC will issue the FOC to the CLEC in the same form that SBC received the request. The CLEC will receive the FOC within 48 hours, or as specified under contract.

The FOC provides the CLEC with information regarding the requested service such as

- Critical Dates
- Circuit Identification
- Order Numbers

The FOC also provides the CLEC with the information necessary for control and tracking of the applicable request for the provisioning of service.