

Unbundled Distribution Subloop

Customer Guide



Product Overview

Sprint Unbundled Subloop is the dedicated, 2 or 4 wire copper transmission facility existing between an interconnection point on the Sprint local loop, and the end user's point of demarcation. Where facilities exist, Subloops will be offered to any telecommunications provider who has a valid Interconnection, Resale and Collocation Agreement (ICA) with Sprint.

Unbundled Subloops are not designed or otherwise intended to support any particular service. A CLEC's use of a subloop to provide telecommunication service will be entirely dependent upon the CLEC's equipment and transmission facility.

Business Applications

Unbundling subloops allow Competitive Local Exchange Carriers (CLECs) access to outside loop plant facilities at interconnection points along the traditional loop path. As defined by the FCC UNE Remand Order, an accessible terminal is a point on the loop where technicians can access the wire or fiber within the cable without removing a splice case to reach the wire or fiber.

Such points include:

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

Prerequisites for Unbundled Subloops

Interconnection or Collocation

Prior to ordering UNE Subloops, the CLEC must establish its own network presence at or near an accessible point in the loop. A CLEC may construct its own site and interconnect with Sprint through the ICB/Special Construction process, or the CLEC may submit a Collocation Application and Fee to determine if collocation at a particular Sprint remote site is an option.

Once the CLEC has delivered its feeder facilities up to the interconnect point, and interconnection can be provisioned in the Sprint equipment, the CLEC may begin ordering subloop services. All charges associated with Interconnection and Collocation are separate from the monthly and non-recurring charges for Unbundled Subloops, which are also shown in the CLECs ICA.

Type of Subloop

The CLEC will indicate on the Local Service Request (LSR) the type of service to be provided on the subloop, by using the NC and NCI code fields (see page 6). If an advanced service is to be provided, Sprint recommends Subloop Prequalification, as Loop Conditioning may be required.

Subloop Prequalification

Unbundled Subloops are non-designed services. Sprint recommends that the CLEC request prequalification for all subloops intended for advanced services such as Digital Subscriber Line (xDSL) or Integrated Services Digital Network (ISDN) services.

Loop conditioning policies, prices and processes apply to UNE Subloops in the same manner that they apply to UNE Loops. Rates can be found in the Pricing Table of the CLEC's ICA.

The prequalification process identifies the physical attributes of the subloop plant facility and includes such details as loop length, the presence of analog load coils, bridge taps, repeaters, and Digital Loop Carriers (DLCs) that may be present. The loop makeup information provided by Sprint is the prequalification response.

As provided for by the ICA, should a CLEC choose not to submit a prequalification order prior to placing a firm order for an advanced service and the advanced service cannot be successfully implemented on that loop, Sprint may charge CLEC a Trouble Isolation Charge, a Loop Make-Up Information Charge and applicable conditioning charges. The nonrecurring charges specified in the ICA for these services will be billed.

Please note: Prequalification does not reserve loop plant nor does it guarantee that facilities will be available when a firm order is placed.

Subloop Prequalification Ordering Process

As noted above, Sprint recommends that the CLEC submit a request for Loop Prequalification prior to placing a firm order for an Unbundled Subloop intended for advanced service. For a detailed description of loop prequalification procedures, please refer to the [Sprint Local Wholesale website](#) for the [Sprint Preorder Loop Qualification Guide](#).

Prequalification for subloops will follow the same ordering procedures as a UNE Loop. One order per service address should be submitted electronically using the Integrated Request Entry System (IRES). Subloop NC and NCI codes apply to the Prequalification Order as follows:

Description	NC	NCI	SAE Code
Subloop Prequalification	LX--	02QC2.00F	VLSPQCL SUB

Unbundled Distribution Subloop — Customer Guide

The fields as shown below are required on the *Loop* tab in IRES to process a subloop prequalification order. All other tabs within IRES will be completed as shown in the guide.

IRES Field	Description	Information
REQ TYPE	Request Type	Select A=Loop
ACT	Action	Select P= Loop Prequalification
TOS	Type of Service	Business or Residential
TOS – Second Field		Select B=Single Line
NC	Network Channel Code	LX--
NCI	Network Channel Interface	02QC2.00F

Ordering Process

The CLEC will order Unbundled Subloops by submitting a Local Service Request (LSR) to Sprint. One order per service address should be submitted through IRES. The following examples and tables indicate the information that must be entered to order subloops.

IRES Service Tab Entries for Subloop

The screenshot displays the IRES Service Tab interface for Subloop ordering. The form includes the following fields and options:

- Navigation Tabs:** Login, LSR, Preorder, Messages, Tracking, Reports, Circuits, TNA
- Form Fields:**
 - CC: 1111, PON: TESTSUBLOOP1, VER: 1, Inquire, SUP: ?
 - Related PON: [Empty], Impcon: LORI M, Tel No: 913-794-5127
 - Clec to Clec Migration: [Checked], DDD: 07/15/2005, Project: [Empty], EBD: / /
 - REQ TYP: A=Loop, ACT: N=New Install
 - TOS: 2=Residence, B=Single Line, ?
 - DFDT: [Empty], APPT: ?, ACTL: [Empty], APOT: [Empty]
 - CHC: [Checked], Complex: [Checked], DSPTCH: [Checked], ONSP: [Checked]
 - NPDI: ?, CLEC CLI: HDRVORASJ00 (highlighted with a callout box)
 - NC: LXR=Loop no equip-under 18k, NCI: 02QE9.005=DSL SUBLOOP
 - SECNCI: ?, EEL: [Checked], LoopTag: [Checked], CTEST: [Checked]
 - Conditioning Opt: ?, Condition \$: [Empty], Pre-Qual #: [Empty]
 - Conditioning Remarks: [Empty]
- Bottom Navigation Bar:** Info, Confirm, CLEC, Service, End User, Ln Dtl, Loop, NP, Billing, List Dtl, Dir, SOE, CASS, REBP
- Status Bar:** CC: 1111, PON: [Empty], Ver: [Empty], < = >, Submit, Clear, Print Preview, 07/14/2005 12:37:06 PM

Unbundled Distribution Subloop — Customer Guide

IRES Field	Description	Information
CC	Company Code	Operating Company Number
PON	Purchase Order Number	Provided by CLEC
VER	Version	"1" for first
Impcon	Implementation Contact	CLEC rep. placing the order
Tel No	Telephone Number	CLEC rep. phone number
DDD	Desired Due Date	Desired Date* *FOC will reflect best avail. date
Project	Project ID**	SNKZZ_____**
REQ TYPE	Request Type	A=Loop
ACT	Action	N=New Install
TOS	Type of Service	1=Business or 2=Residential
ACTL	Access Customer Terminal Location	Enter Sprint Remote Terminal CLLI Code
CLEC CLLI		Enter CLEC Remote Terminal CLLI Code
NC	Network Channel Code	LX-- (Voice Grade) LXR- (xDSL & ISDN)
NCI	Network Channel Interface	02QD2.00F for Voice Grade 02QE9.005 for xDSL 02QE5.001 for ISDN 04QE9.11 for 4-wire
Conditioning Opt	Conditioning Option	If a Prequal was performed, this field should indicate CLEC's decision for Complete, Partial, or Refused
Condition \$	Conditioning Costs	As quoted in the Prequal and adjusted if necessary
Pre-Qual #	Prequalification Order Number	Service Order Number for the prequalification order.

** Project codes are not always required. Should a project be required to implement service, one Project ID per Remote location is provided by the Field Sales Manager prior to orders being submitted by the CLEC.

IRES Loop Tab Entries for Subloop

IRES Field	Description	Information
LOOP QTY	Loop Quantity	Enter number of loops
LNA	Line Number Activity	N=New Install
TEL NO		(No entry required in this field)
CLEC TEL NO		(No entry required in this field)
Cable ID	Cable ID (1 st loop)	(Assigned during interconnection or collocation)
Chan Pair	Channel Pair (1 st loop)	4 Digit Pin (example: 0001)
Cable ID – (4-Wire Subloop only).	Cable ID (2 nd loop)	(Assigned during interconnection or collocation)
Chan Pair - (4-Wire Subloop only).	Channel Pair (2 nd loop)	4 Digit Pin (example: 0002)

Unbundled Distribution Subloop — Customer Guide

IRES will generate a Service Order that will be distributed within Sprint for provisioning and installation. Service and Equipment (SAE) codes and the associated NC/NCI codes that apply are shown in the table below.

Description	NC	NCI	SAE Code
Voice Grade Subloop	LX--	02QD2.00F	VLSS2CL
xDSL Subloop	LXR-	02QE9.005	VLSS2CL 005
ISDN Subloop	LXR-	02QE5.001	VLSS2CL 001
4-Wire Subloop	LXR-	04QE9.11	VLSS4CL

Charges

Nonrecurring and Monthly Recurring Charges for Unbundled Subloops are found in the CLEC's Interconnection Agreement or can be obtained through the ICB process. The following table shows the charges that will generally apply to a UNE Subloop:

Description	NRC	MRC
Electronic Service Order	X	
Loop Qualification	X	
Loop Conditioning	X	
Unbundled Subloop	X	X
Disconnect Subloop at Remote Terminal	X	

Please note: Installation and Disconnect Non-Recurring Charges for Unbundled Distribution Subloop include a trip charge.

Trouble Isolation and Testing

The CLEC may request Cooperative Testing with Sprint to verify completion of the initial order for Subloops, and may request Trouble Isolation testing when trouble is reported on the subloop.

If the CLEC requests Trouble Isolation on the subloop, Sprint will perform the required tests on the end user's line to determine if trouble exists. If no trouble is found, the CLEC will be assessed a Trouble Isolation Charge.

The CLEC may also request Joint Testing when trouble is reported on the subloop. Upon completion of any maintenance activity requested by the CLEC, the Sprint Technician will attempt to contact the CLEC to initiate joint testing. If contact cannot be made, Sprint may assess the Joint Testing charge at its discretion. The CLEC will be responsible for any repairs needed within its own equipment.

Contact Information

The National Exchange Account Center (NEAC) serves as the single point of contact for all Competitive Local Exchange Carrier (CLEC) ordering, provisioning, billing issues or questions.

Repair issues are handled by the Business Service Assurance Center (BSAC).

Ordering/Provisioning/Billing	1-800-578-8169
Repair – Business Service Assurance Center	1-888-883-1484