

EXHIBIT OSS – 19

Local Exchange Ordering (LEO) Guide, Vol. 3

Local Exchange Ordering (LEO) Implementation Guide — Volume 3

Interconnection Services

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LOCAL EXCHANGE ORDERING IMPLEMENTATION GUIDE UNBUNDLED NETWORK ELEMENT (UNE) Introduction

Purpose

Enclosed is the August, 2000 edition of the BellSouth LEO Implementation Guide (IG), Volume 3.

The purpose of this IG is to provide a description of Local Exchange Unbundled Network Elements service offerings for Competitive Local Exchange Carriers (CLECs).

A comprehensive working knowledge of LEO-IG Local Exchange Ordering -Implementation Guide Volume 1 (TCIF7) is a prerequisite to the effective application of Volumes 2 & 3.

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Version Information

Table A Revision History

Chapter	Action Request #	Date/Issue	Description
Introduction	N/A	August, 2000/3B	Added introduction chapter that provides purpose, reference to LEO-IG, Volume 1, and provides contact information should the reader have questions regarding the document.
Revision History	N/A	August, 2000/3B	Corrected "Issue" numbers throughout the Revision History section
N/A	N/A	August, 1998/1C	Updated LEO-IG (Vol 3) to revise Header number info and update format.
N/A	N/A	May, 1998/1B	Deleted representative contact information for Pat Rand from Introduction
N/A	N/A	May, 1998/1B	Added additional statement under section Tariff Reference under chapter for "Iterim Number Portability"

- continued -

Table A Revision History (continued)

Chapter	Action Request #	Date/Issue	Description
N/A	N/A	May, 1998/1B	Deleted second paragraph under Ordering Considerations under Chapter "Unbundled Voice Loop
N/A	N/A	January, 1998 / 1A	The following sections were deleted from the Local Exchange Ordering Implementation Guide - Volume 3: <ul style="list-style-type: none">• Unbundled Digital Loop (UDL)• Unbundled Interoffice Transport (UIT)

1. Unbundled Network Elements (UNE)

1.1 OVERVIEW

The unbundling of products and services facilitates competition within the BellSouth local exchange. Unbundled Network Elements (UNEs) are BellSouth products and services that have been disaggregated into their physical and functional sub-components or equivalents.

As an illustration of the concept of Unbundled Network Elements, consider the service of providing point-to-point data transmission. Components of such an offering could include:

1.1.1 (A) Physical Components:

- Local Access Loops with associated wire pair and speed designations.
- End Office Termination (Port) types capable of supporting required loop characteristics.
- Concentration or multiplexing devices to support multiple data streams.
- Interoffice / Wide Area transport facilities.

1.1.2 (B) Functional Components:

- End office Switching (circuit or packet switching at a variety of speeds).
- Inter-office / Wide Area Switching.

With UNEs, CLECs can maximize the utilization of their own network and subscribe only to those BellSouth components that allow them to complete a service offering to a customer. In this regard the CLEC can fully explore competitive opportunities within BellSouth exchanges regardless of their current network capabilities in any given service area.

The following sections will provide ordering detail regarding specific BellSouth “Unbundled Network Element” offerings. This is a “living” document. Additions to the list of UNE offerings are on-going. Updates will be provided as deemed appropriate.

The following forms are required when ordering Unbundled Network Elements.

- Local Service Request
- End User Information
- Interim Number Portability
- Loop Service with Interim Number Portability
- Loop Service
- Port Service

2. Unbundled Voice Loop

2.1 DESCRIPTION:

The voice grade Unbundled Voice Loop (UVL) is a dedicated analog transmission facility from BST's Main Distribution Frame (MDF) to a customer's premises. This facility will allow an end user to send and receive normal voice telecommunications traffic when it is connected to a dial-tone providing switch. This facility will include a Network Interface Device (NID) at the customer's location for the purpose of connecting the loop to the customer's inside wire.

The **Designed UVLs** can be configured as 2-wire or 4-wire facilities. They can be ordered as Loop Start, Ground Start, or Reverse Battery. The Basic Unbundled Loop consists of the following two components:

- Wire and/or tie cable(s)—extends between the Main Distribution Frame (MDF) termination of a subscriber loop to either CLEC termination or other BST equipment to which the loop is connected.
- The loop facility—extends between the MDF and the end-user's NI. The loop may be either of the following:
 - a metallic facility consisting of cable and wire
 - OR
 - a universal Digital Loop Carrier (DLC), linked together with cable and/or wire.

The **Non-Design UVL** will be configured as a 2-wire facility and offered as Service Level One (SL1). SL1 is a non-designed circuit and can only be provided on 2-wire circuits with loop-start signaling. Upon request from the CLEC via the Local Service Request (LSR), BST will provide an Engineer Information (EI) document, similar to a Design Layout Record (DLR). The EI will be provided at an incremental charge.

SL1 will not offer any Mechanized Loop Test (MLT) type (switch-based) testing during the installation of the circuit. Additionally, BST will not provide any test access points on SL1 loops.

SL1 loops can only be cross-connected to a CLEC that is collocated in the same serving wire center where the loop terminates to the MDF. Also the collocater must have a DS0 interface at their collocation arrangement unless they are utilizing Unbundled Loop Concentration from BST. These circuits will be ordered through the LCSC.

2.2 ORDERING CONSIDERATIONS:

Use the charts found in the Unbundled Network Element (UNE) section of this document to assist you in the ordering process. The Basic Class of Service USOC appears in the left corner of the USOC Feature Code Table. If the service USOC is applicable to business/residence account types, it is appropriately indicated. A description of the product/service is also provided. Service availability is referenced by state. Unbundled products and services are only available to those CLECs who have signed contracts with BellSouth.

2.3 TARIFF REFERENCES:

It is expected that BST will offer this service via a contract arrangement until the market and regulatory dynamics are appropriate for a tariff filing. BST will negotiate in good faith with all requesting CLECs to determine the terms, conditions and pricing associated with this offering.

2.4 USOC / FID REFERENCES:

There are no FIDs specific to Unbundled Voice Loop service, however, all FIDs that would normally apply to ancillary features ordered in addition to this Unbundled Network Element should be used.

2.5 PRODUCT ORDERING GUIDE

Table B UNBUNDLED VOICE LOOP— SERVICE USOCs /FEATURE CODES

USOC/ FEATURE CODE	RES	BUS	DESCRIPTION	AL	FL	GA	KY	LA	MS	NC	SC	TN
UEA	X	X	BASIC CLASS OF SERVICE, UNBUNDLED VOICE LOOP – (DESIGNED)	X	X	X	X	X	X	X	X	X
UEAL2	X	X	2-WIRE ANALOG LOOP – GROUND OR LOOP START	X	X	X	X	X	X	X	X	X
UEAR2	X	X	2-WIRE ANALOG – REVERSE BATTERY	X	X	X	X	X	X	X	X	X
UEAL4	X	X	4-WIRE ANALOG LOOP – GROUND OR LOOP START	X	X	X	X	X	X	X	X	X
UEAC2	X	X	2-WIRE VIRTUAL EXPANDED INTERCONNECTION –CROSS CONNECT	X	X	X	X	X	X	X	X	X
PEIP2	X	X	2-WIRE PHYSICAL EXPANDED INTERCONNECTION –CROSS CONNECT	X	X	X	X	X	X	X	X	X
UAEC4	X	X	4-WIRE VIRTUAL EXPANDED INTERCONNECTION –CROSS CONNECT	X	X	X	X	X	X	X	X	X
PEIP4	X	X	4-WIRE PHYSICAL EXPANDED INTERCONNECTION – CROSS CONNECT	X	X	X	X	X	X	X	X	X
IL5XX	X	X	XUIT-D UNBUNDLED INTEROFFICE TRANSPORT – DEDICATED	X	X	X	X	X	X	X	X	X

NOTE #1: WHEN UNBUNDLED INTEROFFICE TRANSPORT IS REQUIRED TO REACH A CLEC'S COLLOCATION, MILEAGE WILL APPLY (1L5XX). MILEAGE IS CALCULATED BY USING THE V&H COORDINATES IN THE NECA TARIFF.

Table C UNBUNDLED VOICE LOOP

USOC/FEATURE CODE	RES	BUS	DESCRIPTION	AL	FL	GA	KY	LA	MS	NC	SC	TN
UEANL	X	X	BASIC CLASS OF SERVICE, UNBUNDLED VOICE LOOP – (NON- DESIGNED)	X	X	X	X	X	X	X	X	X
UEAL2	X	X	2-WIRE ANALOG LOOP – LOOP START	X	X	X	X	X	X	X	X	X
UEAC2	X	X	2-WIRE VIRTUAL EXPANDED INTERCONNECTION –CROSS CONNECT	X	X	X	X	X	X	X	X	X
PEIP2	X	X	2-WIRE PHYSICAL EXPANDED INTERCONNECTION –CROSS CONNECT	X	X	X	X	X	X	X	X	X

NOTE #2: CROSS CONNECT SELECTION MUST MATCH THE “WIRE PAIR” NATURE OF THE LOOP AND THE SPECIFIC COLLICATION ARRANGEMENT IN PLACE IN A GIVEN OFFICE.

Table D UNBUNDLED VOICE LOOP— FIDs/FEATURE DETAIL— DESIGNED FEATURES

BASIC CLASS OF SERVICE	FEATURE
UEA	UEAL2
	UEAR2
	UEAL4
	UEAC2
	PE1P2
	UEAC4

Table E UNBUNDLED VOICE LOOP— FIDs/FEATURE DETAIL- NON-DESIGNED FEATURES

BASIC CLASS OF SERVICE	FEATURE
UEANL	UEAL2
	UEAC2
	PE1P2

2.6 FID ANALYSIS MAPPING

2.6.1 PRODUCTS & SERVICES

2.6.2 (None required)

No additional feature detail is required.

3. Unbundled Local Switching

3.1 DESCRIPTION:

Unbundled Local Switching (ULS) is designed to provide a CLEC (Competitive Local Exchange Company) with the ability to offer end office switching capabilities to their end user. ULS is available to all certified CLECs. In addition, all features and functions currently available in the GSST tariff to other BellSouth customers can also be ordered by the CLECs.

3.2 ORDERING CONSIDERATIONS:

Use the charts found in the Unbundled Network Element (UNE) section of this document to assist you in the ordering process. The Basic Class of Service USOC appears in the left corner of the USOC Feature Code Table. If the service USOC is applicable to business/residence account types, it is appropriately indicated. A description of the product/service is also provided. Service availability is referenced by state. Unbundled products and services are only available to those CLECs who have signed contracts with BellSouth.

Prior to ordering service for end users, each CLEC must make many choices during the pre-ordering process. They will work with their Account Team representative to order trunks as well as decide how they want their Directory Assistance (DA) Branded and how they want Operator Call Handling (OCH) to be Branded on all end user ULS services they order. Once all of those decisions have been made, if they wish to order Unbranded or Custom Branded DA and/or OCH, they must also order Selective Routing Code(s). The SRCs they order pre-determine how they want their traffic routed. The SRC can also include various blocking functions. The actual SRC will be a five (5) character alpha numeric code which they must provide, if applicable, to the LCSC on each LSR submitted for the ordering of end user services.

The provisioning of UNE service requires cross-office cabling and cross-connections within the central office. The purpose of these cross-connects is to connect the individual UNE component to a local switch or to transmission equipment in the collocated space. These cross-connections are a fundamental component which are required in the ordering of UNE service. Please note applicable cross-connects shown on the following USOC tables for this UNE service.

3.3 TARIFF REFERENCES:

It is expected that BST will offer this service via a contract arrangement until the market and regulatory dynamics are appropriate for a tariff filing.

3.4 USOC / FID REFERENCES:

The FID “ZSRC” is used to identify a CLEC specific “selective routing code” designation. Please reference the aforementioned Ordering Considerations section for a description and use of selective routing codes. Additionally, all FIDs that would normally apply to ancillary features ordered in addition to this unbundled element are also applicable. Custom calling features, Memory Call , etc.. are examples of ancillary features that work in conjunction with ULS service.

3.5 PRODUCT ORDERING GUIDE

Table F UNBUNDLED LOCAL SWITCHING

USOC/FEATURE CODE	RES	BUS	DESCRIPTION	AL	FL	GA	KY	LA	MS	NC	SC	TN
UEPRX	X		BASIC CLASS OF SERVICE PORT - RESIDENCE	X	X	X	X	X	X	X	X	X
UEPRL	X		2-WIRE RESIDENCE PORT SERVICE - (MEASURED)	X	X	X	X	X	X	X	X	X
UEPBX		X	BASIC CLASS OF SERVICE PORT - BUSINESS	X	X	X	X	X	X	X	X	X
UEPBL		X	2-WIRE BUSINESS PORT SERVICE - (MEASURED)	X	X	X	X	X	X	X	X	X
UEPPX		X	BASIC CLASS OF SERVICE, 2-WIRE PBX / TRUNK PORT	X	X	X	X	X	X	X	X	X
UEPP2		X	DIRECT INWARD DIAL (DID), TRUNK PORT SERVICE (NON-MEASURED)	X	X	X	X	X	X	X	X	X
UEPPO		X	TRUNK PORT, OUTWARD ONLY SERVICE (MEASURED)	X	X	X	X	X	X	X	X	X
UEPPC		X	TRUNK PORT, TWO (2) WAY SERVICE (MEASURED)	X	X	X	X	X	X	X	X	X
VEIR2	X	X	2-WIRE CROSS CONNECT, PORT - VIRTUAL EXPANDED INTERCONNECTION	X	X	X	X	X	X	X	X	X
PEIR2	X	X	2-WIRE CROSS CONNECT, PORT - PHYSICAL EXPANDED INTERCONNECTION	X	X	X	X	X	X	X	X	X

NOTE #2: CROSS CONNECT SELECTION MUST MATCH THE “WIRE PAIR” NATURE OF THE LOOP AND THE SPECIFIC COLLICATION ARRANGEMENT IN PLACE IN A GIVEN OFFICE.

Table G 2–WIRE, UNBUNDLED LOCAL SWITCHING FIDs / FEATURE DETAILS

BASIC CLASS OF SERVICE	USOC/FEATURE CODE	FID / FEATURE DETAIL
UEPRX	UEPRL	C
UEPBX	UEPBL	C
UEPPX	UEPP2	C
	UEPPO	C
	UEPPC	C
	VE1R2	
	PE1R2	

NOTE: The use of the FID ZSRC is conditional (C) based on whether BellSouth handles the routing of CLEC Directory Assistance traffic. If BellSouth handles the traffic, the ZSRC FID is required for each ULS ordered..

3.6 FID ANALYSIS MAPPING PRODUCTS AND SERVICES

3.6.1 ZSRC — SELECTIVE ROUTING CODE

Maps the correct Line Class Code when selective routing is requested.

3.6.2 USAGE:

A	C	D
C	C	O

3.6.3 DATA CHARACTERISTICS:

3 - 5 alphanumeric characters (ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789)

3.6.4 EXAMPLE:

ZSRC E5B

3.6.5 ZSRC — SELECTIVE ROUTING CODE

If adding ancillary features, refer to the appropriate charts in this document (i.e.. Custom Calling, TouchStar etc..).

4. INTERIM NUMBER PORTABILITY (INP)

4.1 DESCRIPTION:

This service provides an interim procedure for Competitive Local Exchange Carriers (CLECs) to use to enable Service Provider Local Number Portability until Long Term Service Provider Local Number Portability is deployed. When the telephone number of the ported customer is dialed, the call is Remote Call Forwarded from the central office serving the dialed number to the number assigned to the customer by the CLEC. The CLEC will have assigned to the customer a unique new number with the CLEC's dedicated NPA-NXX code in the CLEC switch. Incoming calls placed to the ported number will be routed in the network to the BellSouth switch, which will then reroute the call to the CLEC switch that serves the CLEC NPA-NXX.

4.2 ORDERING CONSIDERATIONS:

Use the charts found in the Unbundled Network Element (UNE) section of this document to assist you in the ordering process. The Basic Class of Service USOC appears in the left corner of the USOC Feature Code Table. If the service USOC is applicable to business/residence account types, it is appropriately indicated. A description of the product/service is also provided. Service availability is referenced by state. Unbundled products and services are only available to those CLECs who have signed contracts with BellSouth.

4.3 TARIFF REFERENCES:

It is expected that BST will offer this service via a contract arrangement until the market and regulatory dynamics are appropriate for a tariff filing. BST will negotiate in good faith with all requesting CLECs to determine the terms, conditions and pricing associated with this offering.

4.4 FID REFERENCES:

There are no FIDs specific to Interim Number Portability service.

4.5 PRODUCT ORDERING GUIDE

Table H INTERIM NUMBER PORTABILITY (INP) —SERVICE USOCs / FEATURE CODES

USOC/FEATURE CODE	RES	BUS	DESCRIPTION	AL	FL	GA	KY	LA	MS	NC	SC	TN
TNPRL	X		INTERIM NUMBER PORTABILITY - REMOTE CALL FORWARDING - RESIDENCE	X	X	X	X	X	X	X	X	X
TNPBL		X	INTERIM NUMBER PORTABILITY - REMOTE CALL FORWARDING - BUSINESS	X	X	X	X	X	X	X	X	X

Table I INTERIM NUMBER PORTABILITY— FIDs/FEATURE DETAIL

USOC / FEATURE CODE
TNPRL
TNPBL

4.6 FID ANALYSIS MAPPING

4.6.1 PRODUCTS & SERVICES

4.6.2 (None required).

No additional feature detail is required.

5. LOOP WITH INTERIM NUMBER PORTABILITY (LINP)

5.1 DESCRIPTION:

Loop with Interim Number Portability (LINP) combines the individual UNEs of 1) Unbundled Loop Service and 2) Interim Number Portability for improved ordering ease for Certified Local Exchange Carriers (CLECs). When a CLEC request for service involves both of the aforementioned UNEs, a singular document is used to convey all necessary ordering information. Refer to the sections in this guide pertaining to Unbundled Loops and Interim Number Portability for their respective service descriptions and applications.

5.2 ORDERING CONSIDERATIONS:

Use the charts found in the Unbundled Network Element (UNE) section of this document to assist you in the ordering process. The Basic Class of Service USOC appears in the left corner of the USOC Feature Code Table. If the service USOC is applicable to business/residence account types, it is appropriately indicated. A description of the product/service is also provided. Service availability is referenced by state. Unbundled products and services are only available to those CLECs who have signed contracts with BellSouth.

To order Loop with Interim Number Portability (LINP) service the CLEC must fill out the following :

- A.) Local Service Request Form (LSR)
- B.) End User Information Form (EU)
- C.) Loop Service with Interim Number Portability Form (LINP)

The provisioning of UNE service requires cross-office cabling and cross-connections within the central office. The purpose of these cross-connects is to connect the individual UNE component to a local switch or to transmission equipment in the collocated space. These cross-connections are a fundamental component which are required in the ordering of UNE service. Please note applicable cross-connects shown on the following USOC tables for this UNE service.

5.3 TARIFF REFERENCES:

It is expected that BST will offer this service via a contract arrangement until the market and regulatory dynamics are appropriate for a tariff filing.

5.4 USOC / FID REFERENCES:

There are no FIDs specific to LINP service.

5.5 PRODUCT ORDERING GUIDE

Table J LOOP WITH INTERIM NUMBER PORTABILITY (LINP)-USOCs / FEATURE CODES

USOC / FEATURE CODE	RES	BUS	DESCRIPTION	AL	FL	GA	KY	LA	MS	NC	SC	TN
UEA	X	X	BASIC CLASS OF SERVICE, UNBUNDLED VOICE LOOP- (DESIGNED)	X	X	X	X	X	X	X	X	X
UEAL2	X	X	2-WIRE ANALOG LOOP - GROUND OR LOOP START	X	X	X	X	X	X	X	X	X
UEAR2	X	X	2-WIRE ANALOG LOOP - REVERSE BATTERY	X	X	X	X	X	X	X	X	X
UEAL4	X	X	4-WIRE ANALOG LOOP - GROUND OR LOOP START	X	X	X	X	X	X	X	X	X
UEANL	X	X	BASIC CLASS OF SERVICE, UNBUNDLED VOICE LOOP- (NON- DESIGNED)	X	X	X	X	X	X	X	X	X
UEAL2	X	X	2-WIRE ANALOG LOOP - GROUND OR LOOP START	X	X	X	X	X	X	X	X	X
UEAC2	X	X	2-WIRE VIRTUAL EXPANDED INTERCONNECTION - CROSS CONNECT	X	X	X	X	X	X	X	X	X
PEIP2	X	X	2-WIRE PHYSICAL EXPANDED INTERCONNECTION - CROSS CONNECT	X	X	X	X	X	X	X	X	X
UEAC4	X	X	4-WIRE VIRTUAL EXPANDED INTERCONNECTION- CROSS CONNECT	X	X	X	X	X	X	X	X	X
PEIP4	X	X	4-WIRE PHYSICAL EXPANDED INTERCONNECTION - CROSS CONNECT	X	X	X	X	X	X	X	X	X

Table K INTERIM NUMBER PORTABILITY USOCs / FEATURE CODES

USOC/ FEATURE CODE	RES	BUS	DESCRIPTION	AL	FL	GA	KY	LA	MS	NC	SC	TN
TNPR	X		INTERIM NUMBER PORTABILITY - REMOTE CALL FORWARDING - RESIDENCE	X	X	X	X	X	X	X	X	X
TNPBL		X	INTERIM NUMBER PORTABILITY - REMOTE CALL FORWARDING - BUSINESS	X	X	X	X	X	X	X	X	X

Table L FIDs FEATURE DETAIL

USOC / FEATURE CODE
TNPRL
TNPBL

5.6 FID ANALYSIS MAPPING

5.6.1 PRODUCTS & SERVICES

5.6.2 (None required).

No additional feature detail is required.