LSOR – LSR FORM

6 SPEC *(field #39) continued*

Condition: This field is required when NC / NCI / SECNCI are populated with any of the following combinations and ReqTyp / Activity:

Combination	ReqTyp ------ Activity	NC	NCI	SECNCI
1	A ---------- N or V B ---------- V	LX--	02QB5.001 or 02QB5.0S1	02IS5
2	A ---------- N or V B ---------- V	LX--	02QB5.001 or 02QB5.0S1	02DU5.001
3	A ---------- N or V B ---------- V	LX--	02QB5.002 or 02QB5.0S2	02DU5.002
4	A ---------- N or V B ---------- V	LX--	02QB5.003 or 02QB5.0S3	02DU5.003
5	A ---------- N or V B ---------- V	LX--	04QB5.003 or 04QB5.0S3	04DU5.003
6	A ---------- N or V B ---------- V	LX--	02QB5.004 or 02QB5.0S4	02DU5.004
7	A ---------- N or V B ---------- V	LX--	02QB9.005 or 02QB9.0S5	02DU9.005
8	A ---------- N or V B ---------- V	LX--	02QB9.006 or 02QB9.0S6	02DU9.006
9	A ---------- N or V B ---------- V	LX--	02QB9.007 or 02QB9.0S7	02DU9.007
10	A ---------- N	UA--	02QB9.005 or 02QB9.0S5	02DU9.01A
11	A ---------- N	UA--	02QD9.005	02DU9.01A
12	A ---------- N or V	LX--	02QD9.005	02DU9.005

LSOR – LSR FORM

6 SPEC (field #39) continued

~~**Data Entry Condition:** ReqTyp B, Act V is allowed only for Combinations 1 – 9.~~

Data Characteristics: 6 alpha / numeric characters

Field Example:

U	A	L	M	1	3

7 NC (field #40)

add DATA ENTRY CONDITION:

~~If REQTYP is B then NC of UA-- is prohibited.~~
If NC code is UA-- the REQTYP must be A.

LSOR – LOOP FORM

8 LNA (field #9)

ADD VALID ENTRIES

VALID ENTRIES:

N = New
C = Change on existing account
D = Disconnect

CHANGE MATRIX

	ACTIVITIES								
	N	C	D	T	R	V	W	S	B
Reqtyp A	N C	N C	N C		N	R			

ADD CONDITION:

Required when NC is UA-- and ACT is N, C or D.

9 ECCKT (field #13)

add DATA ENTRY CONDITIONS:

When ACT is N and NC is UA--, then Element 2 must be UAFU, if populated.
When ACT is C, LNA is N and NC is UA--, then Element 2 must be UAFU, if populated.

LSOR – LOOP FORM

10 DISC # (field #28)

add NOTE:
For Activities of New, Disconnect or Record Activity, this field is populated when Line Sharing/HFPL (High Frequency Portion of the Loop) is ordered. It is used to associate the retail Plain Old Telephone Service (POTS) working telephone number that will share the Line with the High Frequency Portion of the Loop request.

change MATRIX (revise matrix to change Acts N, D and R)

	ACTIVITIES								
	N	***C***	***D***	***T***	***R***	***V***	***W***	***S***	***B***
Reqtyp A	~~N~~C	N	~~N~~C	P	~~N~~O	R			

ADD CONDITION:
Required when NC is UA—and Act is N or D, otherwise prohibited.

11 DCFA (field #37)

add NEW FIELD

37. (DCFA) – Data Connecting Facility Assignment
Identifies the configuration of the CLEC data splitter (stand-alone).

VALID ENTRIES:
The Data Connecting Facility Assignment consists of the following elements:

- **NR** (represents non-integrated splitter)
- **5** numeric characters representing the 2 numeric floor, 3 numeric aisle and followed by a period (.).
- **3** numeric characters representing the bay and followed by a period (.).
- **2** numeric characters representing the shelf and followed by a dash (-).
- **3** numeric characters for the port.

USAGE: The following field is conditional.

	ACTIVITIES								
	N	C	D	T	R	V	W	S	B
Reqtyp A	C	P	P	P	O	P			

Condition 1: This field is prohibited if the SPEC field on the LSR form is blank.
Condition 2: Prohibited if the NC field on the LSR form is not equal to UA--.

Data Entry Condition: The only valid special characters are a period (.) and a hyphen (-).

Data Characteristics: 1- 42 alpha / numeric / special characters

Field Example:

N	R	2	0	0	1	9	.	0	7	2	.	0	8	-	0	0	3				

LSOR – LOOP FORM

12 LCFA (field #38)

add NEW FIELD

38. (LCFA) – Line Connecting Facility Assignment
Identifies the configuration of the CLEC line splitter (stand alone or integrated with DSLAM).

VALID ENTRIES:
The Line Connecting Facility Assignment consists of the following elements:

- **IR** (integrated splitter) or **NR** (non-integrated splitter)
- **5** numeric characters representing the 2 numeric floor, 3 numeric aisle and followed by a period (.).
- **3** numeric characters representing the bay and followed by a period (.).
- **2** numeric characters representing the shelf and followed by a dash (-).
- **3** numeric characters for the port.

USAGE: The following field is conditional.

	ACTIVITIES								
	N	C	D	T	R	V	W	S	B
Reqtyp A	C	P	P	P	O	P			

Condition 1: This field is prohibited if the SPEC field on the LSR form is blank.
Condition 2: Prohibited if the NC field on the LSR form is not equal to UA--.

Data Entry Condition: The only valid special characters are a period (.) and a hyphen (-).

Data Characteristics: 1- 42 alpha / numeric / special characters

Field Example:

I	R	0	1	0	0	2	.	3	4	5	.	6	7	-	0	0	9			

13 SCFA (field #39)

add NEW FIELD

39. (SCFA) – Splitter Connecting Facility Assignment
Identifies the CLEC splitter.

VALID ENTRIES:
The Splitter Connecting Facility Assignment consists of the following elements:

- **IR** (integrated splitter) or **NR** (non-integrated splitter)
- **5** numeric characters representing the 2 numeric floor, 3 numeric aisle and followed by a period (.).
- **3** numeric characters representing the bay and followed by a period (.).
- **2** numeric characters representing the shelf and followed by a dash (-).
- **3** numeric characters for the port.

NOTE 1: This field will be blank when a Pacific Bell / Nevada Bell splitter is to be used.

USAGE: The following field is conditional.

	ACTIVITIES								
	N	C	D	T	R	V	W	S	B
Reqtyp A	C	P	P	P	O	P			

Condition 1: This field is prohibited if the SPEC field on the LSR form is blank.
Condition 2: Prohibited if the NC field on the LSR form is not equal to UA--.

Data Entry Condition: The only valid special characters are a period (.) and a hyphen (-).

Data Characteristics: 1- 42 alpha / numeric / special characters

Field Example:

N	R	2	0	0	1	9	.	0	7	2	.	0	8	-	0	0	3			

14 VCFA (field #40)

add NEW FIELD

40. (VCFA) – Voice Connecting Facility Assignment
Identifies the configuration of the CLEC voice splitter (stand alone or integrated with DSLAM).

VALID ENTRIES:
The Voice Connection Facility Assignment consists of the following elements:

- **IR** (integrated splitter) or **NR** (non-integrated splitter)
- **5** numeric characters representing the 2 numeric floor, 3 numeric aisle and followed by a period (.).
- **3** numeric characters representing the bay and followed by a period (.).
- **2** numeric characters representing the shelf and followed by a dash (-).
- **3** numeric characters for the port.

USAGE: The following field is conditional.

	ACTIVITIES								
	N	*C*	*D*	*T*	*R*	*V*	*W*	*S*	*B*
Reqtyp A	C	P	P	P	O	P			

Condition 1: This field is prohibited if the SPEC field on the LSR form is blank.
Condition 2: Prohibited if the NC field on the LSR form is not equal to UA--.

Data Entry Condition: The only valid special characters are a period (.) and a hyphen (-).

Data Characteristics: 1- 42 alpha / numeric / special characters

Field Example:

N	R	2	0	0	1	9	.	0	7	2	.	0	8	-	0	0	3			

15 VCI (field #41)

add NEW FIELD

41. (VCI) – Virtual Channel Identifier

Identifies the Virtual Channel Identifier for the Optical Concentration Device (OCD) Port.

VALID ENTRIES:
NNNNA.NNNNZ

N = Numeric (may be 1 to 4 numeric characters)
A = A (literal)
. = . (period)
N = Numeric (may be 1 to 4 numeric characters)
Z = Z (literal)

USAGE: The following field is conditional.

	ACTIVITIES								
	N	C	D	T	R	V	W	S	B
Reqtyp A	C	P	P	P	O	C			

Condition: Required if the NCI Code is 02QD9.005, otherwise prohibited.

Data Characteristics: 5 – 11 alpha/numeric/special characters (including one period {.})

Field Example:

3	6	A	.	3	2	Z				

1	2	3	A	.	3	5	6	Z		

1	2	3	A	.	1	2	3	4	Z	

16 VPI (field #42)

add NEW FIELD

42. (VPI) – Virtual Path Identifier

Identifies the Virtual Path Identifier for the Optical Concentration Device (OCD) Port.

VALID ENTRIES:
NNNNA.NNNNZ

N = Numeric (may be 1 to 4 numeric characters)
A = A (literal)
. = . (period)
N = Numeric (may be 1 to 4 numeric characters)
Z = Z (literal)

USAGE: The following field is conditional.

	ACTIVITIES								
	N	C	D	T	R	V	W	S	B
Reqtyp A	C	P	P	P	O	C			

Condition: Required if the VCI field is populated, otherwise prohibited.

Data Characteristics: 5 – 11 alpha/numeric/special characters (including one period {.})

Field Examples:

3	6	A	.	3	2	Z				

1	2	3	A	.	3	5	6	Z		

1	2	3	A	.	1	2	3	4	Z	

17 RECCKT (field #43)

add NEW FIELD

43. (RECCKT) – Related Circuit ID
Identifies the Circuit ID for OCD Port.

VALID ENTRIES:
SERIAL NUMBER FORMAT:
Prefix / Service Code and Modifier / Serial Number / - [hyphen] / Suffix code / AP code / segment name (if applicable)

(e.g. 33LXFU123456-001PT)

NOTE 1: The component should be compressed to eliminate spaces.
NOTE 2: A hyphen should be used between the serial number and suffix code.

USAGE: The following field is conditional.

	ACTIVITIES								
	N	C	D	T	R	V	W	S	B
Reqtyp A	C	P	P	P	O	C			

Condition: Required if the VCI field is populated, otherwise prohibited.

Data Entry Condition: The only valid special character is a hyphen (-).

Data Characteristics: 1 to 36 alpha/numeric characters

Field Example:

3	3	L	X	F	U	1	2	3	4	5	6	-	0	0	1	P	T

18 CODE SET (field #44)

add NEW FIELD

44. (CODE SET) – CODE SET

Identifies the various service profiles that are established by the CLEC and used in the SOLID system.

NOTE 1: Represents the values logical parameters in the LifeSpan equipment.

USAGE: The following field is conditional.

	ACTIVITIES								
	N	C	D	T	R	V	W	S	B
Reqtyp A	C	P	P	P	O	C			

Condition: Required if the VCI field is populated, otherwise prohibited.

Data Characteristics: 1 - 4 numeric characters

Field Examples:

1	5			

6				

19 LNA (field #10)

add:

Data Entry Condition: For ReqTyps F and M, if EUC=Y and ACT=T, valid entry of "X" (Telephone Number Change) is prohibited. LNA=X is valid for ACT=T when EUC=N only.

Accessible

SOUTHERN NEW ENGLAND TELEPHONE – Clarification to the May 27, 2000 EDI/MSAP Ordering Release

Date: March 17, 2000

Number: **CLECCTS00-008**

Contact: Southern New England Telephone Account Manager

This Accessible Letter provides additional clarification to the Final Requirements for a proposed EDI/MSAP ordering release **(Accessible Letter CLECCTS00-007 dated March 10, 2000)** for Line Sharing. This letter includes modifications to the EDI mapping section, Network Channel Codes (NC), Network Channel Interface Codes (NCI) and the Secondary Network Channel Interface Codes (SECNCI). All revisions are outlined in the INDEX of CHANGES.

In addition, the NC, NCI and SECNCI codes have not been approved at the National level and are subject to change upon concurrence from the industry. You will be notified if any of the codes change via an Accessible Letter.

Further changes to these requirements, including feedback from the Line Sharing trial, Plan of Record efforts and further change activity scenarios will be updated, if necessary, in subsequent Accessible Letters.

Please contact your Account Manager with any questions.

Index of Changes

EDI Changes

1 EDI Changes

Effective with the implementation of Line Sharing, the following new fields with associated maps will be valid for EDI orders.

The following segments are reported at the Detail Level (PO1/SI level) for HFPL::

LCFA Line Connecting Facility Assignment	PID01=X PID03=TI PID04=LCFA PID05=<LCFA Value>
VCFA Voice Connecting Facility Assignment	PID01=X PID03=TI PID04=VCFA PID05=<VCFA Value>
DCFA Data Connecting Facility Assignment	PID01=X PID03=TI PID04=DCFA PID05=<DCFA Value>
SCFA Splitter Connecting Facility Assignment	PID01=X PID03=TI PID04=SCFA PID05=<SCFA Value>

All segments are reported at the Detail Level.

The following segments are reported at the Detail Level (PO1/SI level) for DLE:

RECCKT	DE1000=RF DE234=<RECCKT>
VCI	DE1000=VC DE234=<VCI>
VPI	DE1000=VP DE234=<VPI>
CODE SET	DE1000=P8 DE234=<CODE SET>

Line Sharing/HFPL

Line Sharing is the term, used to describe the simultaneous transmission of data and voice services over a single twisted copper cable (existing retail Plain Old Telephone Service {POTS}). The FCC's Line Sharing Order (Third Report and Order in Docket 98-147 and Fourth Report and Order in Docket 96-98) requires unbundled access to the High Frequency Portion of the Loop (HFPL) for CLECs seeking to provide Line Shared Services.

When an HFPL LSR is received from a CLEC for a loop length less than 12,000 feet, Southern New England Telephone will process the order. When an HFPL LSR is received from a CLEC for a loop length less than 12,000 feet, Southern New England Telephone will perform a loop qualification to verify the loop criteria. The request will be processed if the criterion returned from the Loop Qualification is acceptable to provide HFPL.

HFPL LSRs will also be processed when the results of the Loop Qualification indicate the following:

- The customer provides a SPEC value and it is determined that the requested conditioning will not significantly degrade the end user customer's voice band service per the FCC's Line Sharing Order.
- The loop is not acceptable to provide HFPL and the SPEC value is UALNQX (authorized as is).

In addition, if the CLEC specifies a SPEC value of UALNQX or a value that reflects less conditioning than the Loop Qualification results indicate is necessary to provide HFPL, the HFPL will be provided. However, the loop will be treated as a POTS loop for performance measurement and maintenance purposes.

Loop qualification will be performed using the address of the end user telephone number provided in the DISC# field on the End User Form of the LSR. The SPEC field on the LSR Form is required to specify conditioning, if any, for provisioning the Line Share capable loop. The valid SPEC values are:

SPEC VALUE:	INDICATES:
UALM13	"No Conditioning Authorized" Loop is considered to be capable of supporting high ADSL speed and conditioning not needed.
UALM32	"No Conditioning Authorized" Loop meets minimum qualification standards for requested PSD.
UALNQX	"Authorized As Is" Recognize that loop may require conditioning to be capable of supporting HFPL, but will take loop as is without conditioning
UALRLX	Load Coils must be removed
UALRTX	Bridged Tap must be removed
UALRRX	Repeaters must be removed
UALRLT	Load Coils and Bridged Tap must be removed
UALRTR	Bridged Tap and Repeaters must be removed

Line Sharing/HFPL

The valid NC, NCI and SECNCI combination for HFPL is:

NC	NCI	SECNCI
UA--	02QB9.0S5 or 02QB9.005	02DU9.01A

An LSR will be returned to the CLEC if the following conditions occur:

- LSR specifies no conditioning elements authorized and the loop qualification determines conditioning is required.
- LSR specifies at least one conditioning element required per the loop qualification, but included more conditioning elements than required.
- LSR specifies conditioning elements, none of which match the conditioning determined from the loop qualification.
- Loop Qualification query returned pair gain
- LSR specifies conditioning elements and the loop is 12,000 feet or less. (When the loop is 12,000 or less, Southern New England Telephone will perform any work necessary to make HFPL available at no additional cost)

The following fields have been added for HFPL:
DCFA
LCFA
SCFA
VCFA

Broadband UNE (DLE)

The Broadband Infrastructure Project is a portion of PROJECT PRONTO also known as Digital Loop Electronics (DLE) or Broadband UNE (Unbundled Network Element). This Broadband Infrastructure will require placement of at least five components in the Southern New England Telephone network:

- remote terminal
- remote terminal derived DSL unbundled sub-loops
- central office terminal
- access to ATM capacity via inter-office facilities
- Data Communications Network (DCN) connectivity between these network elements and their Operational Support Systems.

Remote Terminals (Litespan 2000, 2012 and UMC 1000) will be installed to effectively shorten copper loops for DSL to less than 12 Kft. The loops from these remote terminals will be referred to as remote terminal derived DSL capable unbundled sub-loops. From the remote terminal, OC-3s will be utilized to

2 CLEC Handbook (continued)

transport voice and OC3cs for data from the RT to the Central Office on a non-protected fiber. In the central office terminal, the incoming data OC-3c will terminate in an Optical Concentration Device (OCD). The OCD aggregates many incoming OC-3cs from multiple remote terminals to a smaller

number of outbound OC-3c or DS3 facilities. Additionally, the OCD routes packetized data traffic to the appropriate ATM network based upon packet routing addresses. New Element Management Systems are being developed to manage these network elements (AMS for the Litespan and NaviScore/LARIAT for the OCD).

The Loop Infrastructure Project will occur in multiple, overlapping phases over three years. Two types of Digital Loop Carrier systems will be utilized in conjunction with this deployment: the Alcatel developed Litespan 2000 and the AFC developed UMC 1000.

Currently the only card available for use with this DLC system is the Alcatel ADLU card. The ADLU card is a DSL service card. This card provides the same functionality as a DSLAM in that it splits the voice and data signal. On a very basic level, this deployment will move the DSLAM functionality from the central office to the remote terminal. At this time, each ADLU card is capable of supporting two DSL end users (dual cards). In the future, quad cards will be released capable of supporting 4 end users per slot or card. Additionally, cards supporting various other xDSL type services (such as IDSL, SDSL etc.) are expected to be developed. The cards themselves rely on packetized technology and will belong to the Southern New England Telephone.

The following NC, NCI and SECNCI combinations have been added for Broadband UNE (DLE).

NC	NCI	SECNCI
UA--	02QD9.005 or 02QD9.0S5	02DU9.01A
LX--	02QD9.005	O2DU9.005

The following fields have been added for UNE Broadband (DLE):
VCI
VPI
RECCKT
Code Set

3 SPEC (field #39)

ADD NEW FIELD

39. SPEC
Identifies a specific product or service offering.

NOTE 1: SPEC may be applicable for circuit level features and options other than those already identified by the Network Channel (NC) and Network Channel Interface (NCI) codes.

USAGE: The following field is conditional.

		ACTIVITIES											
		N	C	D	T	R	V	W	S	B	L	Y	H
REQTYP	A	C	C	N									
	B						N						
	C						N						
	E	N	N	N	N		N	N		N	N		N
	F	N	N	N			N			N			N
	J												
	M												

O - Optional C - Conditional N - Not Required R - Required P – Prohibited

Condition: This field is required when the LNA is N and the NC / NCI / SECNCI are populated with any of the following combinations:

PSD	NC	NCI	SECNCI
Line Sharing/HFPL	UA--	02QB9.0S5 or 02QB9.005	02DU9.01A

Data Characteristics: 6 alpha / numeric characters

Field Example:

U	A	L	M	1	3

LSR FORM

4 NC (field #40)

ADD DATA ENTRY CONDITION:

~~If REQTYP is B then NC of UA-- is prohibited.~~
If NC code is UA-- the REQTYP must be A.

5 ECCKT (field #13)

ADD DATA ENTRY CONDITIONS:

When ACT is N and NC is UA--, then Element 2 must be UAFU, if populated.
When ACT is C, LNA is N and NC is UA--, then Element 2 must be UAFU, if populated.

6 DISC # (field #28)

ADD NOTE:

This field is populated when Line Sharing/HFPL (High Frequency Portion of the Loop) is ordered. It is used to associate the retail Plain Old Telephone Service (POTS) working telephone number.

MATRIX

	ACTIVITIES											
	N	*C*	*D*	*T*	*R*	*V*	*W*	*S*	*B*	*L*	*Y*	*H*
REQTYP A	C	C	C	P	C	P	P	P	P	P	P	P

ADD CONDITION:

Required when NC is UA-- and ACT is N, C, D, or R.

LOOP FORM

7 DCFA (field #37)

ADD NEW FIELD

37. (DCFA) – Data Connecting Facility Assignment
Identifies the configuration of the CLEC data splitter (stand alone).

VALID ENTRIES:
The Data Connecting Facility Assignment consists of the following elements:

- **NR** (represents non-integrated splitter)
- **5** numeric characters representing the 2 numeric floor, 3 numeric aisle and followed by a period (.).
- **3** numeric characters representing the bay and followed by a period (.).
- **2** numeric characters representing the shelf and followed by a dash (-).
- **3** numeric characters for the port.

USAGE: The following field is conditional.

	ACTIVITIES											
	N	*C*	*D*	*T*	*R*	*V*	*W*	*S*	*B*	*L*	*Y*	*H*
REQTYP A	C	C	P	P	P	P	P	P	P	P	P	P

O - Optional C - Conditional N - Not Required R - Required P – Prohibited

Condition 1: This field is prohibited if the SPEC field on the LSR form is blank.
Condition 2: If populated, the NC field on the LSR form must be UA--.

DATA ENTRY CONDITION: The only valid special characters allowed are a period (.) and a dash (-).

Data Characteristics: 1- 42 alpha / numeric / special characters

Field Example:

N	R	2	0	0	1	9	.	0	7	2	.	0	8	-	0	0	3			

8 LCFA (field #38)

ADD NEW FIELD

38. (LCFA) – Line Connecting Facility Assignment
Identifies the configuration of the CLEC line splitter (stand alone or integrated with DSLAM).

VALID ENTRIES:
The Line Connecting Facility Assignment consists of the following elements:

- **IR** (integrated splitter) or **NR** (non-integrated splitter)
- **5** numeric characters representing the 2 numeric floor, 3 numeric aisle and followed by a period (.).
- **3** numeric characters representing the bay and followed by a period (.).
- **2** numeric characters representing the shelf and followed by a dash (-).
- **3** numeric characters for the port.

USAGE: The following field is conditional.

	ACTIVITIES											
	N	*C*	*D*	*T*	*R*	*V*	*W*	*S*	*B*	*L*	*Y*	*H*
REQTYP A	C	C	P	P	P	P	P	P	P	P	P	P

O - Optional C - Conditional N - Not Required R - Required P – Prohibited

Condition 1: This field is prohibited if the SPEC field on the LSR form is blank.
Condition 2: If populated, the NC field on the LSR form must be UA--.

DATA ENTRY CONDITION: The only valid special characters allowed are a period (.) and a dash (-).

Data Characteristics: 1- 42 alpha / numeric / special characters

Field Example:

I	R	0	1	0	0	2	.	3	4	5	.	6	7	-	0	0	9			