

**SQM Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>• Resale – Residence</li> <li>• Resale – Business</li> <li>• Resale – Design (Special)</li> <li>• Resale PBX</li> <li>• Resale Centrex</li> <li>• Resale ISDN</li> <li>• LNP Standalone</li> <li>• INP Standalone</li> <li>• 2W Analog Loop Design</li> <li>• 2W Analog Loop Non-Design</li> <li>• 2W Analog Loop with INP Design</li> <li>• 2W Analog Loop with INP Non-Design</li> <li>• 2W Analog Loop with LNP Design</li> <li>• 2W Analog Loop with LNP Non-Design</li> <li>• UNE Digital Loop &lt; DS1</li> <li>• UNE Digital Loop ≥ DS1</li> <li>• UNE Loop + Port Combinations</li> <li>• UNE Combination Other</li> <li>• UNE ISDN Loop</li> <li>• UNE Other Design</li> <li>• UNE Other Non-Design</li> <li>• UNE Line Splitting</li> <li>• EELs</li> <li>• Switch Ports</li> <li>• UNE xDSL (ADSL, HDSL, UCL)</li> <li>• Line Sharing</li> <li>• Local Interoffice Transport</li> </ul>	<ul style="list-style-type: none"> <li>• Fully Mechanized: - 95% ≤ 3 Hours</li> <li>• Partially Mechanized: <ul style="list-style-type: none"> <li>- 95% ≤ 10 Hours</li> </ul> </li> <li>• Non-Mechanized: - 95% ≤ 24 Hours</li> </ul>
<ul style="list-style-type: none"> <li>• Local Interconnection Trunks</li> </ul>	<ul style="list-style-type: none"> <li>• Trunks: 95% ≤ 48 Hours</li> </ul>

**SEEM Measure**

SEEM Measure		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"> <li>• Fully Mechanized</li> </ul>	<ul style="list-style-type: none"> <li>• 95% ≤ 3 Hours</li> </ul>
<ul style="list-style-type: none"> <li>• Partially Mechanized</li> </ul>	<ul style="list-style-type: none"> <li>• 95% ≤ 10 Hours</li> </ul>
<ul style="list-style-type: none"> <li>• Non-Mechanized</li> </ul>	<ul style="list-style-type: none"> <li>• 95% ≤ 24 Hours</li> </ul>
<ul style="list-style-type: none"> <li>• Local Interconnection Trunks</li> </ul>	<ul style="list-style-type: none"> <li>• 95% ≤ 48 Hours</li> </ul>

## O-10: Service Inquiry with LSR Firm Order Confirmation (FOC) Response Time Manual<sup>1</sup>

### Definition

This report measures the interval and the percent within the interval from the submission of a Service Inquiry (SI) with Firm Order LSR to the distribution of a Firm Order Confirmation (FOC).

### Exclusions

- Designated Holidays are excluded from the interval calculation.
- Weekend hours from 5:00PM Friday until 8:00AM Monday are excluded from the interval calculation of the Service Inquiry.
- Canceled Requests
- Electronically Submitted Requests

### Business Rules

This measurement combines four intervals:

1. From receipt of a valid Service Inquiry with LSR to hand off to the Service Advocacy Center (SAC) for Loop 'Look-up'.
2. From SAC start date to SAC complete date.
3. From SAC complete date to the Complex Resale Support Group (CRSG) complete date with hand off to LCSC.
4. From receipt of a valid SI/LSR in the LCSC to Firm Order Confirmation.

(A valid Service Inquiry is an inquiry that has all required fields populated correctly and has not been returned for clarification.)

### Calculation

**FOC Timeliness Interval** = (a - b)

- a = Date and Time Firm Order Confirmation (FOC) for SI with LSR returned to CLEC
- b = Date and Time SI with LSR received

**Average Interval** = (c ÷ d)

- c = Sum of all FOC Timeliness Intervals
- d = Total number of SIs with LSRs received in the reporting period

**Percent Within Interval** = (e ÷ f) X 100

- e = Total number of Service Inquiries with LSRs received by the CRSG to distribution of FOC by the Local Carrier Service Center (LCSC)
- f = Total number of Service Inquiries with LSRs received in the reporting period

### Report Structure

- CLEC Aggregate
- CLEC Specific
- Geographic Scope
  - State
  - Region
- Intervals
  - 0 – ≤ 3 days
  - > 3 – ≤ 5 days
  - 0 – ≤ 5 days
  - > 5 – ≤ 7 days
  - > 7 – ≤ 10 days
  - > 10 – ≤ 15 days
  - > 15 days
- Average Interval measured in days

1. See O-9 for FOC Timeliness

**Data Retained**

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• Total Number of Requests</li><li>• SI Intervals</li><li>• State and Region</li></ul>	<ul style="list-style-type: none"><li>• Not Applicable</li></ul>

**SQM Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• xDSL (includes UNE unbundled ADSL, HDSL and UNE Unbundled Copper Loops)</li><li>• Unbundled Interoffice Transport</li></ul>	<ul style="list-style-type: none"><li>• 95% Returned <math>\leq</math> 5 Business Days</li></ul>

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• Not Applicable</li></ul>	<ul style="list-style-type: none"><li>• Not Applicable</li></ul>

## O-11: Firm Order Confirmation and Reject Response Completeness

### Definition

A response is expected from BellSouth for every Local Service Request transaction (version). Firm Order Confirmation and Reject Response Completeness is the corresponding number of Local Service Requests received to the combination of Firm Order Confirmation and Reject Responses.

### Exclusions

- Service Requests canceled by the CLEC prior to FOC or Rejected/Clarified.

### Business Rules

**Mechanized** – The number of FOCs or Auto Clarifications sent to the CLEC from EDI, or TAG in response to electronically submitted LSRs.

**Partially Mechanized** – The number of FOCs or Rejects sent to the CLEC from EDI, or TAG in response to electronically submitted LSRs which fall out for manual handling by the LCSC personnel.

**Non-Mechanized:** The number of FOCs or Rejects sent to the CLECs by FAX server.

**Interconnection Trunks:** Interconnection Trunks are ordered on Access Service Requests (ASRs). ASRs are submitted to and processed by the Local Interconnection Service Center (LISC). Trunk data is reported as a separate category.

#### For CLEC Results:

Percent responses is determined by computing the number of Firm Order Confirmations and Rejects transmitted by BellSouth and dividing by the number of Local Service Requests (all versions) received in the reporting period.

### Calculation

**Firm Order Confirmation / Reject Response Completeness** =  $(a \div b) \times 100$

- a = Total Number of Service Requests for which a Firm Order Confirmation or Reject is Sent
- b = Total Number of Service Requests Received in the Report Period

### Report Structure

Fully Mechanized, Partially Mechanized, Non-Mechanized and Interconnection Trunks

- State and Region
- CLEC Specific
- CLEC Aggregate

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report month <ul style="list-style-type: none"><li>• Total number of LSRs</li><li>• Total number of rejects</li><li>• Total number of ASRs (Trunks)</li><li>• Total number of FOCs</li></ul>	<ul style="list-style-type: none"><li>• Not Applicable</li></ul>

**SQM Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• Resale Residence</li><li>• Resale Business</li><li>• Resale Design (Special)</li><li>• Resale PBX</li><li>• Resale Centrex</li><li>• Resale ISDN</li><li>• LNP Standalone</li><li>• INP Standalone</li><li>• 2W Analog Loop Design</li><li>• 2W Analog Loop Non-Design</li><li>• 2W Analog Loop with INP Design</li><li>• 2W Analog Loop with INP Non-Design</li><li>• 2W Analog Loop with LNP Design</li><li>• 2W Analog Loop with LNP Non-Design</li><li>• UNE Digital Loop &lt; DS1</li><li>• UNE Digital Loop ≥ DS1</li><li>• UNE Loop + Port Combinations</li><li>• UNE Combination Other</li><li>• UNE ISDN Loop</li><li>• UNE Other Design</li><li>• UNE Other Non-Design</li><li>• UNE Line Splitting</li><li>• EELs</li><li>• Switch Ports</li><li>• UNE xDSL (ADSL, HDSL, UCL)</li><li>• Line Sharing</li><li>• Local Interoffice Transport</li><li>• Local Interconnection Trunks</li></ul>	<ul style="list-style-type: none"><li>• 95% Returned</li></ul>

O-11: Firm Order Confirmation and Reject Response Completeness

**SEEM Measure**

SEEM Measure		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• Fully Mechanized</li><li>• Partially Mechanized</li><li>• Non-Mechanized</li><li>• Local Interconnection Trunks</li></ul>	<ul style="list-style-type: none"><li>• 95% Returned</li></ul>

## O-12: Speed of Answer in Ordering Center

### Definition

Measures the average time a customer is in queue.

### Exclusions

None

### Business Rules

The clock starts when the appropriate option is selected (i.e., 1 for Resale Consumer, 2 for Resale Multiline, and 3 for UNE-LNP, etc.) and the call enters the queue for that particular group in the LCSC. The clock stops when a BellSouth service representative in the LCSC answers the call. The speed of answer is determined by measuring and accumulating the elapsed time from the entry of a CLEC call into the BellSouth automatic call distributor (ACD) until a service representative in BellSouth's Local Carrier Service Center (LCSC) answers the CLEC call.

### Calculation

**Speed of Answer in Ordering Center** =  $(a \div b)$

- a = Total seconds in queue
- b = Total number of calls answered in the Reporting Period

### Report Structure

Aggregate

- CLEC – Local Carrier Service Center
- BellSouth
  - Business Service Center
  - Residence Service Center

**Note:** Combination of Residence Service Center and Business Service Center data under development

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Mechanized Tracking Through LCSC Automatic Call Distributor</li> </ul>	<ul style="list-style-type: none"> <li>• Mechanized Tracking Through BellSouth Retail Center Support System</li> </ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Aggregate <ul style="list-style-type: none"> <li>• CLEC – Local Carrier Service Center</li> <li>• BellSouth               <ul style="list-style-type: none"> <li>- Business Service Center</li> <li>- Residence Service Center</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Parity with Retail</li> </ul>

### SEEM Measure

SEEM Measure		
Yes	Tier I	
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• CLEC Local Carrier Service Center</li><li>• BellSouth<ul style="list-style-type: none"><li>- Business Service Center</li><li>- Residence Service Center</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Parity With Retail</li></ul>

O-12: Speed of Answer in Ordering Center

## Section 3: Provisioning

### P-1: Mean Held Order Interval & Distribution Intervals

#### Definition

When delays occur in completing CLEC orders, the average period that CLEC orders are held for BellSouth reasons, pending a delayed completion, should be no worse for the CLEC when compared to BellSouth delayed orders. Calculation of the interval is the total days orders are held and pending but not completed that have passed the currently committed due date; divided by the total number of held orders. This report is based on orders still pending, held and past their committed due date. The distribution interval is based on the number of orders held and pending but not completed over 15 and 90 days. (Orders reported in the >90 day interval are also included in the >15 day interval.)

#### Exclusions

- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.) Test order types may be C, N, R, or T.
- Disconnect (D) & From (F) orders
- Orders with appointment code of 'A' for Rural orders.

#### Business Rules

**Mean Held Order Interval:** This metric is computed at the close of each report period. The held order interval is established by first identifying all orders, at the close of the reporting interval, that both have not been reported as completed in SOCS and have passed the currently committed due date for the order and identifying all orders that have been reported as completed in SOCS after the currently committed due date for the order. For each such order, the number of calendar days between the earliest committed due date on which BellSouth had a company missed appointment and the close of the reporting period is established and represents the held order interval for that particular order. The held order interval is accumulated by the standard groupings, unless otherwise noted, and the reason for the order being held. The total number of days accumulated in a category is then divided by the number of held orders within the same category to produce the mean held order interval. The interval is by calendar days with no exclusions for Holidays or Sundays.

CLEC Specific reporting is by type of held order (facilities, equipment, other), total number of orders held, and the total and average days.

**Held Order Distribution Interval:** This measure provides data to report total days held and identifies these in categories of >15 days and > 90 days. (Orders counted in >90 days are also included in > 15 days).

#### Calculation

Mean Held Order Interval =  $a \div b$

- a = Sum of held-over-days for all Past Due Orders Held for the reporting period
- b = Number of Past Due Orders Held and Pending But Not Completed and past the committed due date

Held Order Distribution Interval (for each interval) =  $(c \div d) \times 100$

- c = # of Orders Held for  $\geq 15$  days or # of Orders Held for  $\geq 90$  days
- d = Total # of Past Due Orders Held and Pending But Not Completed)

#### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Circuit Breakout < 10,  $\geq 10$  (except trunks)
- Dispatch/Non-Dispatch

## Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• CLEC Order Number and PON (PON)</li> <li>• Order Submission Date (TICKET_ID)</li> <li>• Committed Due Date (DD)</li> <li>• Service Type (CLASS_SVC_DESC)</li> <li>• Hold Reason</li> <li>• Total line/circuit count</li> <li>• Geographic Scope</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• BellSouth Order Number</li> <li>• Order Submission Date</li> <li>• Committed Due Date</li> <li>• Service Type</li> <li>• Hold Reason</li> <li>• Total line/circuit count</li> <li>• Geographic Scope</li> </ul>

## SQM Disaggregation - Analog/Benchmark

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With LNP - Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP- Non-Design	• Retail Residence and Business - POTS Excluding Switch
• 2W Analog Loop With INP-Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP-Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations - Dispatch In - Switch Based	• Retail Residence and Business - Dispatch In - Switch Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL Provided to Retail
• UNE ISDN (Includes UDC)	• Retail ISDN - BRI
• UNE Line Sharing	• ADSL Provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
• Local Interconnection Trunks	• Parity with Retail
• UNE Line Splitting	• ADSL to Retail
• EELs	• Retail DS1/DS3

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## P-2: Average Jeopardy Notice Interval & Percentage of Orders Given Jeopardy Notices

### Definition

When BellSouth can determine in advance that a committed due date is in jeopardy for facility delay, it will provide advance notice to the CLEC.

The interval is from the date/time the notice is released to the CLEC/BellSouth systems until 5pm on the commitment date of the order. The Percent of Orders is the percentage of orders given jeopardy notices for facility delay in the count of orders confirmed in the report period.

### Exclusions

- Orders held for CLEC end user reasons
- Disconnect (D) & From (F) orders

### Business Rules

When BellSouth can determine in advance that a committed due date is in jeopardy for facility delay, it will provide advance notice to the CLEC. The number of committed orders in a report period is the number of orders that have a due date in the reporting period.

Jeopardy notices for interconnection trunks results are usually zero as these trunks seldom experience facility delays. The Committed due date is considered the Confirmed due date.

### Calculation

Jeopardy Interval = a - b

- a = Date and Time of Jeopardy Notice
- b = Date and Time of Scheduled Due Date on Service Order

Average Jeopardy Interval = c ÷ d

- c = Sum of all jeopardy intervals
- d = Number of Orders Notified of Jeopardy in Reporting Period

Percent of Orders Given Jeopardy Notice = (e ÷ f) X 100

- e = Number of Orders Given Jeopardy Notices in Reporting Period
- f = Number of Orders Confirmed (due) in Reporting Period)

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Mechanized Orders
- Non-Mechanized Orders
- Dispatch/Non-Dispatch

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• CLEC Order Number and PON</li><li>• Date and Time Jeopardy Notice sent</li><li>• Committed Due Date</li><li>• Service Type</li></ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"><li>• Report Month</li><li>• BellSouth Order Number</li><li>• Date and Time Jeopardy Notice sent</li><li>• Committed Due Date</li><li>• Service Type</li></ul>

**SQM Disaggregation - Analog/Benchmark**

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With LNP - Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP- Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With INP-Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP-Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations - Dispatch In - Switch Based	• Retail Residence and Business - Dispatch In - Switch Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL Provided to Retail
• UNE ISDN (Includes UDC)	• Retail ISDN - BRI
• UNE Line Sharing	• ADSL Provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail
• UNE Line Splitting	• ADSL to Retail
• EELs	• Retail DS1/DS3
• Average Jeopardy Notice Interval (Electronic only)	• 95% ≥ 48 Hours

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## P-3: Percent Missed Initial Installation Appointments

(This metric was not ordered by FPSC)

### Definition

“Percent missed initial installation appointments” monitors the reliability of BellSouth commitments with respect to committed due dates to assure that the CLEC can reliably quote expected due dates to their retail customer as compared to BellSouth. This measure is the percentage of total orders processed for which BellSouth is unable to complete the service orders on the committed due dates and reported for Total misses and End User Misses.

### Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders Test Orders, etc.)
- Disconnect (D) & From (F) orders
- End User Misses

### Business Rules

Percent Missed Initial Installation Appointments (PMI) is the percentage of orders with completion dates in the reporting period that are past the original committed due date. Missed Appointments caused by end-user reasons will be excluded and reported separately. The first commitment date on the service order that is a missed appointment is the missed appointment code used for calculation whether it is a BellSouth missed appointment or an End User missed appointment. The “due date” is any time on the confirmed due date. Which means there cannot be a cutoff time for commitments, as certain types of orders are requested to be worked after standard business hours. Also, during Daylight Savings Time, field technicians are scheduled until 9PM in some areas and the customer is offered a greater range of intervals from which to select.

### Calculation

**Percent Missed Installation Appointments** =  $(a \div b) \times 100$

- a = Number of Orders with Completion date in Reporting Period past the Original Committed Due Date
- b = Number of Orders Completed in Reporting Period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Report in Categories of <10 lines/circuits ≥ 10 lines/circuits (except trunks)
- Dispatch/Non-Dispatch

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report month</li> <li>• CLEC Order Number and PON (PON)</li> <li>• Committed Due Date (DD)</li> <li>• Completion Date (CMPLTN DD)</li> <li>• Status Type</li> <li>• Status Notice Date</li> <li>• Standard Order Activity</li> <li>• Geographic Scope</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"> <li>• Report month</li> <li>• BellSouth Order Number</li> <li>• Committed Due Date (DD)</li> <li>• Completion Date (CMPLTN DD)</li> <li>• Status Type</li> <li>• Status Notice Date</li> <li>• Standard Order Activity</li> <li>• Geographic Scope</li> </ul>

**SQM Disaggregation - Analog/Benchmark**

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With LNP - Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP- Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With INP-Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP-Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations - Dispatch In - Switch Based	• Retail Residence and Business - Dispatch In - Switch Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL) - Without Conditioning - With Conditioning	• ADSL Provided to Retail - Without Conditioning - With Conditioning (BellSouth does not offer this service to Retail)
• UNE ISDN (Includes UDC)	• Retail ISDN - BRI
• UNE Line Sharing	• ADSL Provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail
• UNE Line Splitting	• ADSL to Retail
• EELs	• Retail DS1/DS3

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

P-3: Percent Missed Initial Installation Appointments

## P-3A: Percent Missed Installation Appointments Including Subsequent Appointments

### Definition

“Percent missed installation appointments” monitors the reliability of BellSouth commitments with respect to committed due dates to assure that the CLEC can reliably quote expected due dates to their retail customer as compared to BellSouth. This measure is the percentage of total orders processed for which BellSouth is unable to complete the service orders on the committed due dates and reported for Total misses and End User Misses.

### Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders Test Orders, etc.) Test order types may be C, N, R, or T.
- Disconnect (D) & From (F) orders
- End User Misses

### Business Rules

Percent Missed Installation Appointments (PMI) is the percentage of orders with completion dates in the reporting period that are past the original committed due date. Missed Appointments caused by end-user reasons will be excluded and reported separately. The “due date” is the commitment time (if applicable) on the confirmed due date.

### Calculation

$$\text{Percent Missed Installation Appointments} = (a \div b) \times 100$$

- a = Number of Appointments in Reporting Period past the Original (Date/Time as applicable) Committed and Subsequent Committed Due Date
- b = Number of Appointments on Orders Completed in Reporting Period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Report in Categories of <10 lines/circuits ≥ 10 lines/circuits (except trunks)
- Dispatch/Non-Dispatch

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• CLEC Order Number and PON (PON)</li><li>• Committed Due Date (DD)</li><li>• Completion Date (CMPLTN DD)</li><li>• Status Type</li><li>• Status Notice Date</li><li>• Standard Order Activity</li><li>• Geographic Scope</li></ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"><li>• Report Month</li><li>• BellSouth Order Number</li><li>• Committed Due Date (DD)</li><li>• Completion Date (CMPLTN DD)</li><li>• Status Type</li><li>• Status Notice Date</li><li>• Standard Order Activity</li><li>• Geographic Scope</li></ul>

## SQM Disaggregation - Analog/Benchmark

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With LNP - Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP- Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With INP-Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP-Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations - Dispatch In - Switch Based	• Retail Residence and Business - Dispatch In - Switch Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL) - Without Conditioning - With Conditioning	• ADSL Provided to Retail - Without Conditioning - With Conditioning (BellSouth does not offer this service to Retail)
• UNE ISDN (Includes UDC)	• Retail ISDN - BRI
• UNE Line Sharing	• ADSL Provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail
• UNE Line Splitting	• ADSL to Retail
• EELs	• Retail DS1/DS3

## SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With LNP - Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP- Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With INP-Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP-Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations - Dispatch In - Switch Based	• Retail Residence and Business - Dispatch In - Switch Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL) - Without Conditioning - With Conditioning	• ADSL Provided to Retail - Without Conditioning - With Conditioning (BellSouth does not offer this service to Retail)
• UNE ISDN (Includes UDC)	• Retail ISDN - BRI
• UNE Line Sharing	• ADSL Provided to Retail
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail
• UNE Line Splitting	• ADSL Provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• EELs	• Retail DS1/DS3

## P-4: Average Completion Interval (OCI) & Order Completion Interval Distribution

(This metric not ordered by the FPSC)

### Definition

The “average completion interval” measure monitors the interval of time it takes BellSouth to provide service for the CLEC or its own customers. The “Order Completion Interval Distribution” provides the percentages of orders completed within certain time periods. This report measures how well BellSouth meets the interval offered to customers on service orders.

### Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.)
- Disconnect (D&F) orders (Except “D” orders associated with LNP Standalone)
- “L” Appointment coded orders (where the customer has requested a later than offered interval)
- End user-caused misses

### Business Rules

The actual completion interval is determined for each order processed during the reporting period. The completion interval is the elapsed time from when BellSouth issues a FOC or SOCS date time stamp receipt of an order from the CLEC to BellSouth’s actual order completion date. The clock starts when a valid order number is assigned by SOCS and stops when the technician or system completes the order in SOCS. Elapsed time for each order is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of orders completed. Orders that are worked on zero due dates are calculated with a .33-day interval (8 hours) in order to report a portion of a day interval. These orders are issued and worked/completed on the same day. They can be either flow through orders (no field work-non-dispatched) or field orders (dispatched).

The interval breakout for UNE and Design is: 0-5 = 0-< 5, 5-10 = 5-<10, 10-15 = 10-< 15, 15-20 = 15- < 20, 20-25 = 20-< 25, 25-30 = 25-< 30, ≥ 30 = 30 and greater.

### Calculation

**Completion Interval** = (a - b)

- a = Completion Date
- b = FOC/SOCS date time-stamp (application date)

**Average Completion Interval** = (c ÷ d)

- c = Sum of all Completion Intervals
- d = Count of Orders Completed in Reporting Period

**Order Completion Interval Distribution** (for each interval) = (e ÷ f) X 100

- e = Service Orders Completed in “X” days
- f = Total Service Orders Completed in Reporting Period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Dispatch/Non-Dispatch categories applicable to all levels except trunks
- Residence & Business reported in day intervals = 0,1,3,4,5,5+
- UNE and Design reported in day intervals = 0-5,5-10,10-15,15-20,20-25,25-30,≥ 30
- All Levels are reported <10 line/circuits; ≥ 10 line/circuits (except trunks)
- ISDN Orders included in Non-Design

## Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• CLEC Company Name</li> <li>• Order Number (PON)</li> <li>• Application Date &amp; Time</li> <li>• Completion Date (Cmpltn_DT)</li> <li>• Service Type (CLASS_SVC_DESC)</li> <li>• Geographic Scope</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• BellSouth Order Number</li> <li>• Order Submission Date &amp; Time</li> <li>• Order Completion Date &amp; Time</li> <li>• Service Type</li> <li>• Geographic Scope</li> </ul>

## SQM Disaggregation - Analog/Benchmark

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With LNP - Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP- Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With INP-Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP-Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≤ DS1
• UNE Loop + Port Combinations - Dispatch In - Switch Based	• Retail Residence and Business - Dispatch In - Switch Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL) - Without Conditioning - With Conditioning	- ≤ 5 Days - ≤ 12 Days
• UNE ISDN (Includes UDC)	• Retail ISDN - BRI
• UNE Line Sharing	• ADSL Provided to Retail
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
• UNE Line Splitting	• ADSL to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• EELs	• Retail DS1/DS3

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## P-4A: Average Order Completion and Completion Notice Interval (AOCCNI) Distribution

### Definition

The “Order Completion And Completion Notice Interval Distribution” provides the percentages of orders completed within certain time periods. This report measures how well BellSouth meets the interval offered to customers and notice of completion to the CLEC on service orders.

### Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.) Test order types may be C, N, R, or T.
- Disconnect (D&F) orders (Except “D” orders associated with LNP Standalone)
- “L” Appointment coded orders (where the customer has requested a later than offered interval)
- End user-caused misses

### Business Rules

The interval is determined for each order processed during the reporting period. The completion interval for AOCCNI is the elapsed time from when BellSouth issues a FOC or SOCS date time stamp receipt of an order from the CLEC to BellSouth’s return of the completion notice (CN) to the CLEC. Elapsed time for each order is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of orders completed. Orders that are worked on zero due dates are calculated with a .33-day interval (8 hours) in order to report a portion of a day interval. These orders are issued and worked/completed on the same day. They can be either flow through orders (no field work-non-dispatched) or field orders (dispatched).

The interval breakout for UNE and Design is: 0-5 = 0-< 5, 5-10 = 5-<10, 10-15 = 10-< 15, 15-20 = 15- < 20, 20-25 = 20-< 25, 25-30 = 25-< 30, ≥ 30 = 30 and greater.

### Calculation

Completion Interval = (a - b)

- a = Date and Time Completion Notice is sent
- b = FOC/SOCS date time-stamp (application date)

Average Completion Interval = (c ÷ d)

- c = Sum of all Completion Intervals
- d = Count of Orders Completed in Reporting Period

Order Completion Interval Distribution (for each interval) = (e ÷ f) X 100

- e = Service Orders Completed in “X” days
- f = Total Service Orders Completed in Reporting Period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Dispatch/Non-Dispatch categories applicable to all levels except trunks
- Residence & Business reported in day intervals = 0,1,2,3,4,5,5+
- UNE and Design reported in day intervals = 0-5, 5-10, 10-15, 15-20, 20-25, 25-30, ≥ 30
- All Levels are reported <10 line/circuits; ≥ 10 line/circuits (except trunks)
- ISDN Orders included in Non-Design
- Mechanized/Non-Mechanized (Non-Mechanized is not applicable to BellSouth)

## Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• CLEC Company Name</li> <li>• Order Number (PON)</li> <li>• Application Date &amp; Time</li> <li>• Completion Date (Cmpltn_DT)</li> <li>• Service Type (CLASS_SVC_DESC)</li> <li>• Geographic Scope</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• BellSouth Order Number</li> <li>• Order Submission Date &amp; Time</li> <li>• Order Completion Date &amp; Time</li> <li>• Service Type</li> <li>• Geographic Scope</li> </ul>

## SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With LNP - Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP- Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With INP-Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP-Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≤ DS1
• UNE Loop + Port Combinations - Dispatch In - Switch Based	• Retail Residence and Business - Dispatch In - Switch Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL) - Without Conditioning - With Conditioning	- ≤ 5 Days - ≤ 12 Days
• UNE ISDN (Includes UDC)	• Retail ISDN - BRI
• UNE Line Sharing	• ADSL Provided to Retail
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

SQM Level of Disaggregation	SQM Analog/Benchmark
• UNE Line Splitting	• ADSL to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• EELs	• Retail DS1/DS3

## SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X

## SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With LNP - Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP- Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With INP-Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP-Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≤ DS1
• UNE Loop + Port Combinations - Dispatch In - Switch Based	• Retail Residence and Business - Dispatch In - Switch Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL) - Without Conditioning - With Conditioning	- ≤ 5 Days - ≤ 12 Days
• UNE ISDN (Includes UDC)	• Retail ISDN - BRI
• UNE Line Sharing	• ADSL Provided to Retail
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice

SEEM Disaggregation	SEEM Analog/Benchmark
• Local Interconnection Trunks	• Parity with Retail
• UNE Line Splitting	• ADSL Provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• EELs	• Retail DS1/DS3

## P-5: Average Completion Notice Interval

### Definitions

The Completion Notice Interval is the elapsed time between the BellSouth reported completion of work and the issuance of a valid completion notice to the CLEC.

### Exclusions

- Cancelled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.) Test order types may be C, N, R, or T.
- D&F orders (Exception: "D" orders associated with LNP Standalone)

### Business Rules

Measurement on interval of completion date and time entered by a field technician on dispatched orders, and 5PM start time on the due date for non-dispatched orders; to the release of a notice to the CLEC/BellSouth of the completion status. The field technician notifies the CLEC the work was complete and then he/she enters the completion time stamp information in his/her computer. This information switches through to the SOCS systems either completing the order or rejecting the order to the Work Management Center (WMC). If the completion is rejected, it is manually corrected and then completed by the WMC. The notice is returned on each individual order.

The start time for all orders is the completion stamp either by the field technician or the 5PM due date stamp; the end time for mechanized orders is the time stamp the notice was transmitted to the CLEC interface (LENS, EDI, OR TAG). For non-mechanized orders the end time will be date and timestamp of order update from the FAX record via LON or C-SOTS system.

### Calculation

Completion Notice Interval = (a - b)

- a = Date and Time of Notice of Completion
- b = Date and Time of Work Completion

Average Completion Notice Interval = c ÷ d

- c = Sum of all Completion Notice Intervals
- d = Number of Orders with Notice of Completion in Reporting Period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Mechanized Orders
- Non-Mechanized Orders
- Dispatch/Non-Dispatch
- Reporting intervals in Hours; 0,1-2,2-4,4-8,8-12,12-24, ≥ 24 plus Overall Average Hour Interval (The categories are inclusive of these time intervals: 0-1 = 0.99; 1-2 = 1-1.99; 2-4 = 2-3.99, etc.)
- Reported in categories of <10 line / circuits; ≥ 10 line/circuits (except trunks)

## Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• CLEC Order Number (so_nbr)</li> <li>• Work Completion Date (cmplt_n_dt)</li> <li>• Work Completion Time</li> <li>• Completion Notice Availability Date</li> <li>• Completion Notice Availability Time</li> <li>• Service Type</li> <li>• Geographic Scope</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• BellSouth Order Number (so_nbr)</li> <li>• Work Completion Date (cmplt_n_dt)</li> <li>• Work Completion Time</li> <li>• Completion Notice Availability Date</li> <li>• Completion Notice Availability Time</li> <li>• Service Type</li> <li>• Geographic Scope</li> </ul> <p><b>NOTE:</b> Code in parentheses is the corresponding header found in the raw data file.</p>

## SQM Disaggregation - Analog/Benchmark

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With LNP - Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP- Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With INP-Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP-Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≤ DS1
• UNE Loop + Port Combinations - Dispatch In - Switch Based	• Retail Residence and Business - Dispatch In - Switch Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL Provided to Retail
• UNE ISDN (Includes UDC)	• Retail ISDN - BRI
• UNE Line Sharing	• ADSL Provided to Retail
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
• UNE Line Splitting	• ADSL to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• EELs	• Retail DS1/DS3

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## P-6: % Completions/Attempts without Notice or < 24 hours Notice

### Definition

The purpose of this measure is to report if BellSouth is returning a FOC to the CLEC in time for the CLEC to notify their customer of the scheduled date.

### Exclusions

- Cancelled Orders
- Expedited Orders
- “0” dated orders or any request where the subscriber requested an earlier due date of < 24 hours prior to the original commitment date, or any LSR received < 24 hours prior to the original commitment date.

### Business Rules

#### For CLEC Results:

Calculation would exclude any successful or unsuccessful service delivery where the CLEC was informed at least 24 hours in advance. BellSouth may also exclude from calculation any LSRs received from the requesting CLEC with less than 24 hour notice prior to the commitment date.

#### For BellSouth Results:

BellSouth does not provide a FOC to its retail customers.

### Calculation

**Percent Completions or Attempts without Notice or with Less Than 24 Hours Notice** =  $(a \div b) \times 100$

- a = Completion Dispatches (Successful and Unsuccessful) With No FOC or FOC Received < 24 Hours of Original Committed Due Date
- b = All Completions

### Report Structure

- CLEC Specific
- CLEC Aggregate
- Dispatch /Non-Dispatch
- Total Orders FOC < 24 Hours
- Total Completed Service Orders
- % FOC < 24 Hours

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Committed Due Date (DD)</li><li>• FOC End Timestamp</li><li>• Report Month</li><li>• CLEC Order Number and PON</li><li>• Geographic Scope<ul style="list-style-type: none"><li>- State / Region</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Not Applicable</li></ul>

**SQM Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>• Resale Residence</li> <li>• Resale Business</li> <li>• Resale Design</li> <li>• Resale PBX</li> <li>• Resale Centrex</li> <li>• Resale ISDN</li> <li>• LNP (Standalone)</li> <li>• INP (Standalone)</li> <li>• 2W Analog Loop Design</li> <li>• 2W Analog Loop Non-Design</li> <li>• 2W Analog Loop Design With LNP</li> <li>• 2W Analog Loop Non-Design With LNP</li> <li>• 2W Analog Loop Design With INP</li> <li>• 2W Analog Loop Non-Design With INP</li> <li>• UNE Digital Loop &lt; DS1</li> <li>• UNE Digital Loop ≥DS1</li> <li>• UNE Loop + Port Combinations <ul style="list-style-type: none"> <li>- Dispatch In</li> <li>- Switch Based</li> </ul> </li> <li>• UNE Switch ports</li> <li>• UNE Combo Other</li> <li>• UNE xDSL (HDSL, ADSL and UCL)</li> <li>• UNE ISDN (Includes UDC)</li> <li>• UNE Line Sharing</li> <li>• UNE Line Splitting</li> <li>• Local Transport (Unbundled Interoffice Transport)</li> <li>• Local Interconnection Trunks</li> <li>• EELS</li> </ul>	<ul style="list-style-type: none"> <li>• ≤ 5%</li> </ul>

P-6: % Completions/Attempts without Notice or &lt; 24 hours Notice

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"> <li>• Not Applicable</li> </ul>	<ul style="list-style-type: none"> <li>• Not Applicable</li> </ul>

## P-7: Coordinated Customer Conversions Interval

### Definition

This report measures the average time it takes BellSouth to disconnect an unbundled loop from the BellSouth switch and cross connect it to CLEC equipment. This measurement applies to service orders with INP and LNP, and where the CLEC has requested BellSouth to provide a coordinated cutover.

### Exclusions

- Any order canceled by the CLEC will be excluded from this measurement.
- Delays due to CLEC following disconnection of the unbundled loop
- Unbundled Loops where there is no existing subscriber loop and loops where coordination is not requested.

### Business Rules

Where the service order includes LNP, the interval includes the total time for the cutover including the translation time to place the line back in service on the ported line. When the service order includes INP, the interval includes the total time for the cutover including the translation time to place the link back in service on the ported line. The interval is calculated for the entire cutover time for the service order and then divided by items worked in that time to give the average per-item interval for each service order.

### Calculation

**Coordinated Customer Conversions Interval** = (a - b)

- a = Completion Date and Time for Cross Connection of a Coordinated Unbundled Loop
- b = Disconnection Date and Time of an Coordinated Unbundled Loop

**Percent Coordinated Customer Conversions** (for each interval) = (c ÷ d) X 100

- c = Total number of Coordinated Customer Conversions for each interval
- d = Total Number of Unbundled Loop with Coordinated Conversions (items) for the reporting period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- The interval breakout is 0-5 = 0-≤5, 5-15 = >5-≤15, ≥15 = 15 and greater, plus Overall Average Interval.

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>Report Month</li> <li>CLEC Order Number</li> <li>Committed Due Date (DD)</li> <li>Service Type (CLASS_SVC_DESC)</li> <li>Cutover Start Time</li> <li>Cutover Completion time</li> <li>Portability Start and Completion Times (INP orders)</li> <li>Total Conversions (Items)</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"> <li>No BellSouth Analog Exists</li> </ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>Unbundled Loops with INP</li> <li>Unbundled Loops with LNP</li> </ul>	<ul style="list-style-type: none"> <li>95% ≤ 15 minutes</li> <li>95% ≤ 15 minutes</li> </ul>

**SEEM Measure**

SEEM Measure		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• Unbundled Loops With INP</li><li>• Unbundled Loops With LNP</li></ul>	<ul style="list-style-type: none"><li>• 95% <math>\leq</math> 15 minutes</li><li>• 95% <math>\leq</math> 15 minutes</li></ul>

## P-7A: Coordinated Customer Conversions – Hot Cut Timeliness % Within Interval and Average Interval

### Definition

This category measures whether BellSouth begins the cutover of an unbundled loop on a coordinated and/or a time specific order at the CLEC requested start time. It measures the percentage of orders where the cut begins within 15 minutes of the requested start time of the order and the average interval.

### Exclusions

- Any order canceled by the CLEC will be excluded from this measurement.
- Delays caused by the CLEC
- Unbundled Loops where there is no existing subscriber loop and loops where coordination is not requested.
- All unbundled loops on multiple loop orders after the first loop.

### Business Rules

This report measures whether BellSouth begins the cutover of an unbundled loop on a coordinated and/or a time specific order at the CLEC requested start time. The cut is considered on time if it starts 15 minutes before or after the requested start time. Using the scheduled time and the actual cutover start time, the measurement will calculate the percent within interval and the average interval. If a cut involves multiple lines, the cut will be considered “on time” if the first line is cut within the interval. ≤ 15 minutes includes intervals that began 15:00 minutes or less before the scheduled cut time and cuts that began 15 minutes or less after the scheduled cut time; >15 minutes, ≤30 minutes includes cuts within 15:00 – 30:00 minutes either prior to or after the scheduled cut time; >30 minutes includes cuts greater than 30:00 minutes either prior to or after the scheduled cut time. If IDLC is involved, a four hour window applies to the start time. (8 A.M. to Noon or 1 P.M. to 5 P.M.) This only applies if BellSouth notifies the CLEC by 10:30 A.M. on the day before the due date that the service is on IDLC.

A Hot Cut is considered complete when one of the following occurs:

1. BellSouth performs the hot cut, notifies the CLEC by telephone.
2. BellSouth performs the hot cut and attempts to notify the CLEC by telephone, but receives no answer and leaves a phone message.

### Calculation

**% within Interval** =  $(a \div b) \times 100$

- a = Total Number of Coordinated Unbundled Loop Orders for the interval
- b = Total Number of Coordinated Unbundled Loop Orders for the reporting period

**Interval** =  $(c - d)$

- c = Scheduled Time for Cross Connection of a Coordinated Unbundled Loop Order
- d = Actual Start Date and Time of a Coordinated Unbundled Loop Order

**Average Interval** =  $(e \div f)$

- Sum of all Intervals
- Total Number of Coordinated Unbundled Loop Orders for the reporting period.

### Report Structure

- CLEC Specific
  - CLEC Aggregate
- Reported in intervals of early, on time and late cuts % ≤ 15 minutes; % >15 minutes, ≤30 minutes; % >30 minutes, plus Overall Average Interval

## Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>Report Month</li> <li>CLEC Order Number (so_nbr)</li> <li>Committed Due Date (DD)</li> <li>Service Type (CLASS_SVC_DESC)</li> <li>Cutover Scheduled Start Time</li> <li>Cutover Actual Start Time</li> <li>Total Conversions Orders</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"> <li>No BellSouth Analog exists</li> </ul>

## SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>Product Reporting Level <ul style="list-style-type: none"> <li>SL1 Time Specific</li> <li>SL1 Non-Time Specific</li> <li>SL2 Time Specific</li> <li>SL2 Non-Time Specific</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>95% Within + or – 15 Minutes of Scheduled Start Time</li> </ul>
<ul style="list-style-type: none"> <li>SL1 IDLC</li> <li>SL2 IDLC</li> </ul>	<ul style="list-style-type: none"> <li>95% Within 4-hour Window</li> </ul>

## SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X

## SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"> <li>SL1 Time Specific</li> <li>SL1 Non-Time Specific</li> <li>SL2 Time Specific</li> <li>SL2 Non-Time Specific</li> </ul>	<ul style="list-style-type: none"> <li>95% Within + or – 15 Minutes of Scheduled Start Time</li> </ul>
<ul style="list-style-type: none"> <li>SL1 IDLC</li> <li>SL2 IDLC</li> </ul>	<ul style="list-style-type: none"> <li>95% Within 4-hour Window</li> </ul>

## P-7B: Coordinated Customer Conversions – Average Recovery Time

### Definition

Measures the time between notification and resolution by BellSouth of a service outage found that can be isolated to the BellSouth side of the network. The time between notification and resolution by BellSouth must be measured to ensure that CLEC customers do not experience unjustifiable lengthy service outages during a Coordinated Customer Conversion. This report measures outages associated with Coordinated Customer Conversions prior to service order completion.

### Exclusions

- Cutovers where service outages are due to CLEC caused reasons when the CLEC agrees
- Cutovers where service outages are due to end-user caused reasons when the CLEC agrees

### Business Rules

Measures the outage duration time related to Coordinated Customer Conversions from the initial trouble notification until the trouble has been restored and the CLEC has been notified. The duration time is defined as the time from the initial trouble notification until the trouble has been restored and the CLEC has been notified. The interval is calculated on the total outage time for the circuits divided by the total number of outages restored during the report period to give the average outage duration.

### Calculation

**Recovery Time** = (a - b)

- a = Date & Time That Trouble is Closed by CLEC
- b = Date & Time Initial Trouble is Opened with BellSouth

**Average Recovery Time** = (c ÷ d)

- c = Sum of all the Recovery Times
- d = Number of Troubles Referred to the BellSouth

### Report Structure

- CLEC Specific
- CLEC Aggregate

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• CLEC Company Name</li><li>• CLEC Order Number (so_nbr)</li><li>• Committed Due Date (DD)</li><li>• Service Type (CLASS_SVC_DESC)</li><li>• CLEC Acceptance Conflict (CLEC_CONFLICT)</li><li>• CLEC Conflict Resolved (CLEC_CON_RES)</li><li>• CLEC Conflict MFC (CLEC_CONFLICT_MFC)</li><li>• Total Conversion Orders</li></ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"><li>• None</li></ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• Unbundled Loops with INP</li><li>• Unbundled Loops with LNP</li></ul>	<ul style="list-style-type: none"><li>• Diagnostic (To Be Established at The 6 Month Review Period)</li></ul>

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## P-7C: Hot Cut Conversions - % Provisioning Troubles Received Within 7 days of a completed Service Order

### Definition

The Percent Provisioning Troubles received within 7 days of a completed service order associated with a Hot Cut Conversion (CCC) measures the quality and accuracy of Coordinated Customer Conversion Activities.

### Exclusions

- Any order canceled by the CLEC
- Troubles caused by Customer Provided Equipment

### Business Rules

Measures the quality and accuracy of completed service orders associated with Coordinated and Non-coordinated Customer Conversions. The first trouble report received on a circuit ID within 7 days following a service order completion is counted in this measure. Subsequent trouble reports are measured in Repeat Report Rate. Reports are calculated searching in the prior report period for completed Coordinated Customer Conversion service orders and following 7 days after the completion of the service order for a trouble report issue date.

### Calculation

**% Provisioning Troubles within 7 days of service order completion** =  $(a \div b) \times 100$

- a = The sum of all CCC Circuits with a trouble within 7 days following service order(s) completion
- b = The total number of CCC service order circuits completed in the previous report calendar month

### Report Structure

- CLEC Specific
- CLEC Aggregate
- Dispatch/Non-Dispatch

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• CLEC Order Number (so_nbr)</li><li>• PON</li><li>• Order Submission Date (TICKET_ID)</li><li>• Order Submission Time (TICKET_ID)</li><li>• Status Type</li><li>• Status Notice Date</li><li>• Standard Order Activity</li><li>• Geographic Scope</li><li>• Total Conversion Circuits</li></ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"><li>• No BellSouth Analog exists</li></ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• UNE Loop Design</li><li>• UNE Loop Non-Design</li></ul>	<ul style="list-style-type: none"><li>• <math>\leq 5\%</math> (To be reviewed after six month period)</li></ul>

**SEEM Measure**

SEEM Measure		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• UNE Loop Design</li><li>• UNE Loop Non-Design</li></ul>	<ul style="list-style-type: none"><li>• <math>\leq 5\%</math> (To be reviewed after six month period)</li></ul>

## P-8: Cooperative Acceptance Testing - % of xDSL Loops Successfully Tested

### Definition

A loop will be considered successfully cooperatively tested when both the CLEC and ILEC representatives agree that the loop has passed the cooperative testing.

### Exclusions

- Testing failures due to CLEC (incorrect contact number, CLEC not ready, etc.)
- xDSL lines with no request for cooperative testing

### Business Rules

When a BellSouth technician finishes delivering an order for an xDSL loop where the CLEC order calls for cooperative testing at the customer's premise, the BellSouth technician is to call a toll free number to the CLEC testing center. The BellSouth technician and the CLEC representative at the center then test the line. As an example of the type of testing performed, the testing center may ask the technician to put a short on the line so that the center can run a test to see if it can identify the short. CLEC caused failures will be captured in the raw data files.

### Calculation

**Cooperative Acceptance Testing - % of xDSL Loops Successfully Tested** =  $(a \div b) \times 100$

- a = Total number of successful xDSL cooperative tests for xDSL lines where cooperative testing was requested in the reporting period
- b = Total Number of xDSL line tests requested by the CLEC and scheduled in the reporting period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- Type of Loop tested

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• CLEC Company Name (OCN)</li><li>• CLEC Order Number (so_nbr) and PON (PON)</li><li>• Committed Due Date (DD)</li><li>• Service Type (CLASS_SVC_DESC)</li><li>• Acceptance Testing Completed (ACCEPT_TESTING)</li><li>• Acceptance Testing Declined (ACCEPT_TESTING)</li><li>• Total xDSL Orders</li><li>• Missed Appointments Code (SO_MISSED_CMMT_CD)</li></ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"><li>• No BellSouth Analog Exists</li></ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• UNE xDSL<ul style="list-style-type: none"><li>- ADSL</li><li>- HDSL</li><li>- UCL</li><li>- OTHER</li></ul></li></ul>	<ul style="list-style-type: none"><li>• 95% of Lines Successfully Tested</li></ul>

**SEEM Measure**

SEEM Measure		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• UNE xDSL<ul style="list-style-type: none"><li>- ADSL</li><li>- HDSL</li><li>- UCL</li><li>- Other</li></ul></li></ul>	<ul style="list-style-type: none"><li>• 95% of Lines Successfully Tested</li></ul>

## P-9: % Provisioning Troubles within 30 days of Service Order Completion

### Definition

Percent Provisioning Troubles within 30 days of Service Order Completion measures the quality and accuracy of Service order activities.

### Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.) Test order types may be C, N, R, or T.
- D & F orders
- Trouble reports caused and closed out to Customer Provided Equipment (CPE)

### Business Rules

Measures the quality and accuracy of completed orders. The first trouble report from a service order after completion is counted in this measure. Subsequent trouble reports are measured in Repeat Report Rate. Reports are calculated searching in the prior report period for completed service orders and following 30 days after completion of the service order for a trouble report issue date.

D & F orders are excluded as there is no subsequent activity following a disconnect.

**Note:** Standalone LNP historical data is not available in the maintenance systems (LMOS or WFA).

### Calculation

**% Provisioning Troubles within 30 days of Service Order Activity** =  $(a \div b) \times 100$

- a = Trouble reports on all completed orders 30 days following service order(s) completion
- b = All Service Orders completed in the previous report calendar month

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Reported in categories of <10 line/circuits; ≥ 10 line/circuits (except trunks)
- Dispatch /Non-Dispatch (except trunks)

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• CLEC Order Number and PON</li> <li>• Order Submission Date (TICKET_ID)</li> <li>• Order Submission Time (TICKET_ID)</li> <li>• Status Type</li> <li>• Status Notice Date</li> <li>• Standard Order Activity</li> <li>• Geographic Scope</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• BellSouth Order Number</li> <li>• Order Submission Date</li> <li>• Order Submission Time</li> <li>• Status Type</li> <li>• Status Notice Date</li> <li>• Standard Order Activity</li> <li>• Geographic Scope</li> </ul>

### SQM Disaggregation - Analog/Benchmark

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>• Resale Residence</li> </ul>	<ul style="list-style-type: none"> <li>• Retail Residence</li> </ul>

<b>SQM LEVEL of Disaggregation</b>	<b>SQM Analog/Benchmark</b>
• Resale Business	• Retail business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - (POTS Excluding Switch-Based Orders)
• 2W Analog Loop With LNP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP Non-Design	• Retail Residence and Business - (POTS Excluding Switch-Based Orders)
• 2W Analog Loop With INP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP Non-Design	• Retail Residence and Business (POTS - Excluding Switch-Based Orders)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN (Includes UDC)	• Retail ISDN BRI
• UNE Line Sharing	• ADSL Provided to Retail
• UNE Loop + Port Combinations - Dispatch In - Switch-Based	• Retail Residence and Business - Dispatch In - Switch-Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch (Including Dispatch Out and Dispatch In)
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• UNE Other Non-Design	• Retail Residence and Business
• UNE Other Design	• Retail Design
• Local Interconnection Trunks	• Parity with Retail
• UNE Line Splitting	• ADSL to Retail
• EELs	• Retail DS1/DS3

**SEEM Measure**

<b>SEEM Measure</b>		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - (POTS Excluding Switch-Based Orders)
• 2W Analog Loop With LNP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP Non-Design	• Retail Residence and Business - (POTS Excluding Switch-Based Orders)
• 2W Analog Loop With INP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP Non-Design	• Retail Residence and Business (POTS - Excluding Switch-Based Orders)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations - Dispatch In - Switch-Based	• Retail Residence and Business - Dispatch In - Switch-Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch (Including Dispatch Out and Dispatch In)
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN (Includes UDC)	• Retail ISDN BRI
• UNE Line Sharing	• ADSL Provided to Retail
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail
• UNE Line Splitting	• ADSL Provided to Retail
• UNE Other Non-Design	• Retail Residence and Business
• UNE Other Design	• Retail Design
• EELs	• Retail DS1/DS3

P-9: % Provisioning Troubles within 30 days of Service Order Completion

## P-10: Total Service Order Cycle Time (TSOCT)

### Definition

This report measures the total service order cycle time from receipt of a valid service order request to the return of a completion notice to the CLEC Interface.

### Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.) Test order types may be C, N, R, or T.
- D (Disconnect - Except "D" orders associated with LNP Standalone.) and F (From) orders. (From is disconnect side of a move order when the customer moves to a new address).
- "L" Appointment coded orders (where the customer has requested a later than offered interval)
- Orders with CLEC/Subscriber caused delays or CLEC/Subscriber requested due date changes.

### Business Rules

The interval is determined for each order processed during the reporting period. This measurement combines three reports: FOC Timeliness, Average Order Completion Interval and Average Completion Notice Interval.

This interval starts with the receipt of a valid service order request and stops when a completion notice is sent to the CLEC Interface (LENS, TAG OR EDI). Elapsed time for each order is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of orders completed. Orders that are worked on zero due dates are calculated with a .33 day interval (8 hours) in order to report a portion of a day interval. These orders are issued and worked/completed on same day. They can be either flow through orders (no field work-non-dispatched) or field orders (dispatched).

Reporting is by Fully Mechanized, Partially Mechanized and Non-Mechanized receipt of LSRs.

### Calculation

Total Service Order Cycle Time = (a - b)

- a = Service Order Completion Notice Date
- b = Service Request Receipt Date

Average Total Service Order Cycle Time = (c ÷ d)

- c = Sum of all Total Service Order Cycle Times
- d = Total Number Service Orders Completed in Reporting Period

**Total Service Order Cycle Time Interval Distribution** (for each interval) = (e ÷ f) X 100

- e = Total Number of Service Requests Completed in "X" minutes/hours
- f = Total Number of Service Requests Received in Reporting Period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Fully Mechanized; Partially Mechanized; Non-Mechanized
- Report in categories of <10 line/circuits; ≥ 10 line/circuits (except trunks)
- Dispatch /Non-Dispatch categories applicable to all levels except trunks
- Intervals 0-5, 5-10, 10-15, 15-20, 20-25, 25-30, ≥ 30 Days. The interval breakout is: 0-5 = 0-<5, 5-10 = 5-<10, 10-15 = 10-<15, 15-20 = 15-<20, 20-25 = 20-<25, 25-30 = 25-<30, ≥ 30 = 30 and greater.

## Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Interval for FOC</li> <li>• CLEC Company Name (OCN)</li> <li>• Order Number (PON)</li> <li>• Submission Date &amp; Time (TICKET_ID)</li> <li>• Completion Date (CMPLTN_DT)</li> <li>• Service Type (CLASS_SVC_DESC)</li> <li>• Geographic Scope</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file</p>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• BellSouth Order Number</li> <li>• Order Submission Date &amp; Time</li> <li>• Order Completion Date &amp; Time</li> <li>• Service Type</li> <li>• Geographic Scope</li> </ul>

## SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>• Resale Residence</li> <li>• Resale Business</li> <li>• Resale Design</li> <li>• Resale PBX</li> <li>• Resale Centrex</li> <li>• Resale ISDN</li> <li>• LNP (Standalone)</li> <li>• INP (Standalone)</li> <li>• 2W Analog Loop Design</li> <li>• 2W Analog Loop Non-Design</li> <li>• 2W Analog Loop With LNP Design</li> <li>• 2W Analog Loop With LNP Non-Design</li> <li>• 2W Analog Loop With INP Design</li> <li>• 2W Analog Loop With INP Non-Design</li> <li>• UNE Switch Ports</li> <li>• UNE Loop + Port Combinations <ul style="list-style-type: none"> <li>- Dispatch In</li> <li>- Switch Based</li> </ul> </li> <li>• UNE Combo Other</li> <li>• UNE xDSL (HDSL, ADSL and UCL)</li> <li>• UNE ISDN (Includes UDC)</li> <li>• UNE Line Sharing</li> <li>• UNE Other Design</li> <li>• UNE Other Non -Design</li> <li>• UNE Digital Loops &lt; DS1</li> <li>• UNE Digital Loops ≥ DS1</li> <li>• Local Transport (Unbundled Interoffice Transport)</li> <li>• Local Interconnection Trunks</li> <li>• UNE Line Splitting</li> <li>• EELs</li> </ul>	<ul style="list-style-type: none"> <li>• Diagnostic</li> </ul>

## SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

P-10: Total Service Order Cycle Time (TSOCT)

## P-11: Service Order Accuracy

### Definition

The “service order accuracy” measurement measures the accuracy and completeness of BellSouth service orders by comparing what was ordered and what was completed.

### Exclusions

- Cancelled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.)
- D & F orders

### Business Rules

A statistically valid sample of service orders, completed during a monthly reporting period, is compared to the original account profile and the order that the CLEC sent to BellSouth. An order is “completed without error” if all service attributes and account detail changes (as determined by comparing the original order) completely and accurately reflect the activity specified on the original order and any supplemental CLEC order. For both small and large sample sizes, when a Service Request cannot be matched with a corresponding Service Order, it will not be counted. For small sample sizes an effort will be made to replace the service request.

**Service Order Accuracy Sampling Process:** A list of all orders completed in the report month is generated. The orders are then listed by the disaggregations specified in the SQM. For each disaggregation, the quantity of completed orders and the error rate for each disaggregation from the previous month are entered into a “Stratified Random Sampling for Proportions” formula. This formula determines the number of orders that are to be reviewed for each disaggregation. Once the sample size for each disaggregation is determined, the specified quantity of orders for each disaggregation are pulled for review.

### Calculation

**Percent Service Order Accuracy** =  $(a \div b) \times 100$

- a = Orders Completed without Error
- b = Orders Completed in Reporting Period

### Report Structure

- CLEC Aggregate
- Reported in categories of <10 line/circuits; >= 10 line/circuits
- Dispatch/Non-Dispatch

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Experience
<ul style="list-style-type: none"><li>• Report Month</li><li>• CLEC Order Number and PON</li><li>• Local Service Request (LSR)</li><li>• Order Submission Date</li><li>• Committed Due Date</li><li>• Service Type</li><li>• Standard Order Activity</li></ul>	<ul style="list-style-type: none"><li>• No BellSouth Analog Exist</li></ul>

**SQM Disaggregation - Analog/Benchmark**

SQM LEVEL of Disaggregation	SQM Analog/Benchmark:
<ul style="list-style-type: none"> <li>• Resale Residence</li> <li>• Resale Business</li> <li>• Resale Design (Specials)</li> <li>• UNE Specials (Design)</li> <li>• UNE (Non-Design)</li> <li>• Local Interconnection Trunks</li> </ul>	<ul style="list-style-type: none"> <li>• 95% Accurate</li> </ul>

**SEEM Measure**

SEEM Measure		
Yes	Tier I	
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Resale	• 95%
• UNE	• 95%
• UNE-P	• 95%

## P-12: LNP-Average Disconnect Timeliness Interval & Disconnect Timeliness Interval Distribution

### Definition

Disconnect Timeliness is defined as the interval between the time ESI Number Manager receives the valid 'Number Ported' message from NPAC (signifying the CLEC 'Activate') until the time the Disconnect is completed in the Central Office switch. This interval effectively measures BellSouth responsiveness by isolating it from impacts that are caused by CLEC related activities.

### Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.) where identifiable.

### Business Rules

The Disconnect Timeliness interval is determined for each number ported associated with a disconnect service order processed on an LSR during the reporting period. The Disconnect Timeliness interval is the elapsed time from when BellSouth receives a valid 'Number Ported' message in ESI Number Manager (signifying the CLEC 'Activate') for each telephone number ported until each number on the service order is disconnected in the Central Office switch. Elapsed time for each ported number is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the total number of selected telephone numbers disconnected in the reporting period.

### Calculation

**Disconnect Timeliness Interval** = (a - b)

- a = Completion Date and Time in Central Office switch for each number on disconnect order
- b = Valid 'Number Ported' message received date & time

**Average Disconnect Timeliness Interval** = (c ÷ d)

- c = Sum of all Disconnect Timeliness Intervals
- d = Total Number of disconnected numbers completed in reporting period

**Disconnect Timeliness Interval Distribution** (for each interval) = (e ÷ f) X 100

- e = Disconnected numbers completed in "X" days
- f = Total disconnect numbers completed in reporting period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- Geographic Scope
  - State, Region

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Order Number</li><li>• Telephone Number / Circuit Number</li><li>• Committed Due Date</li><li>• Receipt Date / Time (ESI Number Manager)</li><li>• Date/Time of Recent Change Notice</li></ul>	<ul style="list-style-type: none"><li>• Not Applicable</li></ul>

**SQM Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation:	SQM Analog/Benchmark
• LNP	• $95\% \leq 15$ Minutes

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## Section 4: Maintenance & Repair

### M&R-1: Missed Repair Appointments

#### Definition

The percent of trouble reports not cleared by the committed date and time.

#### Exclusions

- Trouble tickets canceled at the CLEC request.
- BellSouth trouble reports associated with internal or administrative service.
- Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble.

#### Business Rules

The negotiated commitment date and time is established when the repair report is received. The cleared time is the date and time that BellSouth personnel clear the trouble and closes the trouble report in his/her Computer Access Terminal (CAT) or workstation. If this is after the Commitment time, the report is flagged as a “Missed Commitment” or a missed repair appointment. When the data for this measure is collected for BellSouth and a CLEC, it can be used to compare the percentage of the time repair appointments are missed due to BellSouth reasons. (No access reports are not part of this measure because they are not a missed appointment.)

**Note:** Appointment intervals vary with force availability in the POTS environment. Specials and Trunk intervals are standard interval appointments of no greater than 24 hours. Standalone LNP historical data is not available in the maintenance systems (LMOS or WFA).

#### Calculation

**Percentage of Missed Repair Appointments** =  $(a \div b) \times 100$

- a = Count of Customer Troubles Not Cleared by the Quoted Commitment Date and Time
- b = Total Trouble reports closed in Reporting Period

#### Report Structure

- Dispatch/Non-Dispatch
- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate

#### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• CLEC Company Name</li><li>• Submission Date &amp; Time (TICKET_ID)</li><li>• Completion Date (CMPLTN_DT)</li><li>• Service Type (CLASS_SVC_DESC)</li><li>• Disposition and Cause (CAUSE_CD &amp; CAUSE_DESC)</li><li>• Geographic Scope</li></ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"><li>• Report Month</li><li>• BellSouth Company Code</li><li>• Submission Date &amp; Time</li><li>• Completion Date</li><li>• Service Type</li><li>• Disposition and Cause (Non-Design /Non-Special Only)</li><li>• Trouble Code (Design and Trunking Services)</li><li>• Geographic Scope</li></ul>

**SQM Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• 2W Analog Loop Design	• Retail Residence & Business Dispatch
• 2W Analog Loop Non – Design	• Retail Residence & Business (POTS) (Exclusion of switch-based feature troubles
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations	• Retail Residence & Business
• UNE Switch ports	• Retail Residence & Business (POTS)
• UNE Combo Other	• Retail Residence, Business & Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN	• Retail ISDN – BRI
• UNE Line Sharing	• ADSL provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Interconnection Trunks	• Parity with Retail
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice

**SEEM Measure**

SEEM Measure		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• 2W Analog Loop Design	• Retail Residence & Business Dispatch
• 2W Analog Loop Non – Design	• Retail Residence & Business (POTS) (Exclusion of switch-based feature troubles
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1

SEEM Disaggregation	SEEM Analog/Benchmark
• UNE Digital Loop $\geq$ DS1	• Retail Digital Loop $\geq$ DS1
• UNE Loop + Port Combinations	• Retail Residence & Business
• UNE Switch ports	• Retail Residence & Business (POTS)
• UNE Combo Other	• Retail Residence, Business & Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN	• Retail ISDN – BRI
• UNE Line Sharing	• ADSL provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

## M&R-2: Customer Trouble Report Rate

### Definition

Initial and repeated customer direct or referred troubles reported within a calendar month per 100 lines/circuits in service.

### Exclusions

- Trouble tickets canceled at the CLEC request.
- BellSouth trouble reports associated with internal or administrative service.
- Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble.

### Business Rules

Customer Trouble Report Rate is computed by accumulating the number of maintenance initial and repeated trouble reports during the reporting period. The resulting number of trouble reports are divided by the total “number of service” lines, ports or combination that exist for the CLECs and BellSouth respectively at the end of the report month.

### Calculation

**Customer Trouble Report Rate** =  $(a \div b) \times 100$

- a = Count of Initial and Repeated Trouble Reports closed in the Current Period
- b = Number of Service Access Lines in service at End of the Report Period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• CLEC Company Name</li> <li>• Ticket Submission Date &amp; Time (TICKET_ID)</li> <li>• Ticket Completion Date (CMPLTN_DT)</li> <li>• Service Type (CLASS_SVC_DESC)</li> <li>• Disposition and Cause (CAUSE_CD &amp; CAUSE_DESC)</li> <li>• # Service Access Lines in Service at the end of period</li> <li>• Geographic Scope</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• BellSouth Company Code</li> <li>• Ticket Submission Date &amp; Time</li> <li>• Ticket Completion Date</li> <li>• Service Type</li> <li>• Disposition and Cause (Non-Design /Non-Special Only)</li> <li>• Trouble Code (Design and Trunking Services)</li> <li>• # Service Access Lines in Service at the end of period</li> <li>• Geographic Scope</li> </ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• 2W Analog Loop Design	• Retail Residence & Business Dispatch

<b>SQM Level of Disaggregation</b>	<b>SQM Analog/Benchmark</b>
• 2W Analog Loop Non – Design	• Retail Residence & Business (POTS) (Exclusion of switch-based feature troubles)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations	• Retail Residence & Business
• UNE Switch Ports	• Retail Residence & Business (POTS)
• UNE Combo Other	• Retail Residence, Business & Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN	• Retail ISDN – BRI
• UNE Line Sharing	• ADSL provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Interconnection Trunks	• Parity with Retail
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice

**SEEM Measure**

<b>SEEM Measure</b>		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

<b>SEEM Disaggregation</b>	<b>SEEM Analog/Benchmark</b>
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• 2W Analog Loop Design	• Retail Residence & Business Dispatch
• 2W Analog Loop Non – Design	• Retail Residence & Business (POTS) (Exclusion of switch-based feature troubles)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations	• Retail Residence & Business
• UNE Switch ports	• Retail Residence & Business (POTS)
• UNE Combo Other	• Retail Residence, Business & Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN	• Retail ISDN – BRI
• UNE Line Sharing	• ADSL provided to Retail
• UNE Other Design	• Retail Design

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• UNE Other Non-Design</li></ul>	<ul style="list-style-type: none"><li>• Retail Residence and Business</li></ul>
<ul style="list-style-type: none"><li>• Local Transport (Unbundled Interoffice Transport)</li></ul>	<ul style="list-style-type: none"><li>• Retail DS1/DS3 Interoffice</li></ul>
<ul style="list-style-type: none"><li>• Local Interconnection Trunks</li></ul>	<ul style="list-style-type: none"><li>• Parity with Retail</li></ul>

## M&R-3: Maintenance Average Duration

### Definition

The Average duration of Customer Trouble Reports from the receipt of the Customer Trouble Report to the time the trouble report is cleared.

### Exclusions

- Trouble tickets canceled at the CLEC request.
- BellSouth trouble reports associated with internal or administrative service.
- Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble.

### Business Rules

For Average Duration the clock starts on the date and time of the receipt of the correct report information, i.e. correct telephone number, correct circuit identification, trouble description, etc. for the repair request. The clock stops on the date and time the service is restored and the BellSouth or CLEC customer is notified (when the technician completes the trouble ticket on his/her CAT or work systems).

### Calculation

**Maintenance Duration** = (a - b)

- a = Date and Time of Service Restoration
- b = Date and Time Trouble Ticket was Opened

**Average Maintenance Duration** = (c ÷ d)

- c = Total of all maintenance durations in the reporting period
- d = Total Closed Troubles in the reporting period

### Report Structure

- Dispatch/Non-Dispatch
- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate

### Data Retained

Relating to CLEC Experience:	Relating to BellSouth Performance:
<ul style="list-style-type: none"> <li>• Report month</li> <li>• Total Tickets (LINE_NBR)</li> <li>• CLEC Company Name</li> <li>• Ticket Submission Date &amp; Time (TICKET_ID)</li> <li>• Ticket Completion Date (CMPLTN_DT)</li> <li>• Service Type (CLASS_SVC_DESC)</li> <li>• Disposition and Cause (CAUSE_CD &amp; CAUSE_DESC)</li> <li>• Geographic Scope</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"> <li>• Report month</li> <li>• Total Tickets</li> <li>• BellSouth Company Code</li> <li>• Ticket Submission Date</li> <li>• Ticket Submission Time</li> <li>• Ticket Completion Date</li> <li>• Ticket Completion Time</li> <li>• Total Duration Time</li> <li>• Service Type</li> <li>• Disposition and Cause (Non-Design /Non-Special Only)</li> <li>• Trouble Code (Design and Trunking Services)</li> <li>• Geographic Scope</li> </ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>• Resale Residence</li> </ul>	<ul style="list-style-type: none"> <li>• Retail Residence</li> </ul>
<ul style="list-style-type: none"> <li>• Resale Business</li> </ul>	<ul style="list-style-type: none"> <li>• Retail business</li> </ul>

<b>SQM Level of Disaggregation</b>	<b>SQM Analog/Benchmark</b>
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• 2W Analog Loop Design	• Retail Residence & Business Dispatch
• 2W Analog Loop Non – Design	• Retail Residence & Business (POTS) (Exclusion of switch-based feature troubles)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations	• Retail Residence & Business
• UNE Switch ports	• Retail Residence & Business (POTS)
• UNE Combo Other	• Retail Residence, Business & Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN	• Retail ISDN – BRI
• UNE Line Sharing	• ADSL provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

**SEEM Measure**

<b>SEEM Measure</b>		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

<b>SEEM Disaggregation</b>	<b>SEEM Analog/Benchmark</b>
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• 2W Analog Loop Design	• Retail Residence & Business Dispatch
• 2W Analog Loop Non – Design	• Retail Residence & Business (POTS) (Exclusion of switch-based feature troubles)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations	• Retail Residence & Business
• UNE Switch ports	• Retail Residence & Business (POTS)

SEEM Disaggregation	SEEM Analog/Benchmark
• UNE Combo Other	• Retail Residence, Business & Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN	• Retail ISDN – BRI
• UNE Line Sharing	• ADSL provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

## M&R-4: Percent Repeat Troubles within 30 Days

### Definition

Closed trouble reports on the same line/circuit as a previous trouble report received within 30 calendar days as a percent of total troubles closed reported

### Exclusions

- Trouble tickets canceled at the CLEC request.
- BellSouth trouble reports associated with internal or administrative service.
- Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble.

### Business Rules

Includes Customer trouble reports received within 30 days of an original Customer trouble report

### Calculation

**Percent Repeat Troubles within 30 Days** =  $(a \div b) \times 100$

- a = Count of closed Customer Troubles where more than one trouble report was logged for the same service line within a continuous 30 days
- b = Total Trouble Reports Closed in Reporting Period

### Report Structure

- Dispatch/Non-Dispatch
- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report month</li><li>• Total Tickets (LINE_NBR)</li><li>• CLEC Company Name</li><li>• Ticket Submission Date &amp; Time (TICKET_ID)</li><li>• Ticket Completion Date (CMLTN_DT)</li><li>• Total and Percent Repeat Trouble Reports within 30 Days (TOT_REPEAT)</li><li>• Service Type</li><li>• Disposition and Cause (CAUSE_CD &amp; CAUSE_DESC)</li><li>• Geographic Scope</li></ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"><li>• Report month</li><li>• Total Tickets</li><li>• BellSouth Company Code</li><li>• Ticket Submission Date</li><li>• Ticket Submission Time</li><li>• Ticket Completion Date</li><li>• Ticket Completion Time</li><li>• Total and Percent Repeat Trouble Reports within 30 Days</li><li>• Service Type</li><li>• Disposition and Cause (Non-Design /Non-Special Only)</li><li>• Trouble Code (Design and Trunking Services)</li><li>• Geographic Scope</li></ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• Resale Residence</li></ul>	<ul style="list-style-type: none"><li>• Retail Residence</li></ul>
<ul style="list-style-type: none"><li>• Resale Business</li></ul>	<ul style="list-style-type: none"><li>• Retail business</li></ul>
<ul style="list-style-type: none"><li>• Resale Design</li></ul>	<ul style="list-style-type: none"><li>• Retail Design</li></ul>
<ul style="list-style-type: none"><li>• Resale PBX</li></ul>	<ul style="list-style-type: none"><li>• Retail PBX</li></ul>
<ul style="list-style-type: none"><li>• Resale Centrex</li></ul>	<ul style="list-style-type: none"><li>• Retail Centrex</li></ul>

<b>SQM Level of Disaggregation</b>	<b>SQM Analog/Benchmark</b>
• Resale ISDN	• Retail ISDN
• 2W Analog Loop Design	• Retail Residence & Business Dispatch
• 2W Analog Loop Non – Design	• Retail Residence & Business (POTS) (Exclusion of switch-based feature troubles)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations	• Retail Residence & Business
• UNE Switch ports	• Retail Residence & Business (POTS)
• UNE Combo Other	• Retail Residence, Business & Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN	• Retail ISDN – BRI
• UNE Line Sharing	• ADSL provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

**SEEM Measure**

<b>SEEM Measure</b>		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

<b>SEEM Disaggregation</b>	<b>SEEM Analog/Benchmark</b>
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• 2W Analog Loop Design	• Retail Residence & Business Dispatch
• 2W Analog Loop Non – Design	• Retail Residence & Business (POTS) (Exclusion of switch-based feature troubles)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations	• Retail Residence & Business
• UNE Switch ports	• Retail Residence & Business (POTS)
• UNE Combo Other	• Retail Residence, Business & Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN	• Retail ISDN – BRI

SEEM Disaggregation	SEEM Analog/Benchmark
• UNE Line Sharing	• ADSL provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

## M&R-5: Out of Service (OOS) > 24 Hours

### Definition

For Out of Service Troubles (no dial tone, cannot be called or cannot call out) the percentage of Total OOS Troubles cleared in excess of 24 hours. (All design services are considered to be out of service).

### Exclusions

- Trouble Reports canceled at the CLEC request
- BellSouth Trouble Reports associated with administrative service
- Customer Provided Equipment (CPE) Troubles or CLEC Equipment Troubles.

### Business Rules

Customer Trouble reports that are out of service and cleared in excess of 24 hours. The clock begins when the trouble report is created in LMOS/WFA and the trouble is counted if the elapsed time exceeds 24 hours.

### Calculation

**Out of Service (OOS) > 24 hours** =  $(a \div b) \times 100$

- a = Total Cleared Troubles OOS > 24 Hours
- b = Total OOS Troubles in Reporting Period

### Report Structure

- Dispatch/Non-Dispatch
- CLEC Specific
- BellSouth Aggregate
- CLEC Aggregate

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Total Tickets</li> <li>• CLEC Company Name</li> <li>• Ticket Submission Date &amp; Time (TICKET_ID)</li> <li>• Ticket Completion Date (CMLTN_DT)</li> <li>• Percentage of Customer Troubles out of</li> <li>• Service &gt; 24 Hours (OOS&gt;24_FLAG)</li> <li>• Service type (CLASS_SVC_DESC)</li> <li>• Disposition and Cause (CAUSE_CD &amp; CAUSE-DESC)</li> <li>• Geographic Scope</li> </ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Total Tickets</li> <li>• BellSouth Company Code</li> <li>• Ticket Submission Date</li> <li>• Ticket Submission time</li> <li>• Ticket Completion Date</li> <li>• Ticket Completion Time</li> <li>• Percent of Customer Troubles out of Service &gt; 24 Hours</li> <li>• Service type</li> <li>• Disposition and Cause (Non-Design/Non-Special only)</li> <li>• Trouble Code (Design and Trunking Services)</li> <li>• Geographic Scope</li> </ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex

<b>SQM Level of Disaggregation</b>	<b>SQM Analog/Benchmark</b>
• Resale ISDN	• Retail ISDN
• 2W Analog Loop Design	• Retail Residence & Business Dispatch
• 2W Analog Loop Non – Design	• Retail Residence & Business (POTS) (Exclusion of switch-based feature troubles)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations	• Retail Residence & Business
• UNE Switch ports	• Retail Residence & Business (POTS)
• UNE Combo Other	• Retail Residence, Business & Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN	• Retail ISDN – BRI
• UNE Line Sharing	• ADSL provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

**SEEM Measure**

<b>SEEM Measure</b>		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

<b>SEEM Disaggregation</b>	<b>SEEM Analog/Benchmark</b>
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• 2W Analog Loop Design	• Retail Residence & Business Dispatch
• 2W Analog Loop Non – Design	• Retail Residence & Business (POTS) (Exclusion of switch-based feature troubles)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop ≥ DS1	• Retail Digital Loop ≥ DS1
• UNE Loop + Port Combinations	• Retail Residence & Business
• UNE Switch Ports	• Retail Residence & Business (POTS)
• UNE Combo Other	• Retail Residence, Business & Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN	• Retail ISDN – BRI

SEEM Disaggregation	SEEM Analog/Benchmark
• UNE Line Sharing	• ADSL provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

M&amp;R-5: Out of Service (OOS) &gt; 24 Hours

## M&R-6: Average Answer Time – Repair Centers

### Definition

This report measures the average time a customer is in queue.

### Exclusions

None

### Business Rules

The clock starts when a CLEC Representative or BellSouth customer makes a choice on the Repair Center's menu and is put in queue for the next repair attendant. The clock stops when the repair attendant answers the call (abandoned calls are not included).

**Note:** The Total Column is a combined BellSouth Residence and Business number.

### Calculation

**Answer Time for BellSouth Repair Centers** = (a - b)

- a = Time BellSouth Repair Attendant Answers Call
- b = Time of entry into queue after ACD Selection

**Average Answer Time for BellSouth Repair Centers** = (c ÷ d)

- c = Sum of all Answer Times
- d = Total number of calls by reporting period

### Report Structure

- CLEC Aggregate
- BellSouth Aggregate

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• CLEC Average Answer Time	• BellSouth Average Answer Time

### SQM Disaggregation - Analog / Benchmark

SQM Level of Disaggregation	Retail Analog / Benchmark
• Region. CLEC/BellSouth Service Centers and BellSouth Repair Centers are regional.	• For CLEC, Average Answer Times in UNE Center and BRMC are comparable to the Average Answer Times in the BellSouth Repair Centers.

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

### SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## M&R-7: Mean Time To Notify CLEC of Network Outages

### Definition

BellSouth will inform the CLEC of any Network outages (key customer accounts)

### Exclusions

None

### Business Rules

The time it takes for BellSouth to notify the CLEC and appropriate BellSouth personnel of a customer impacting network incident in equipment that may be utilized by the CLEC. When BellSouth becomes aware of a network incident, the CLEC and appropriate BellSouth personnel will be notified electronically. The notification time for each outage will be measured in minutes and divided by the number of outages for the reporting period. The CLECs will be notified the same way and at the same time as BellSouth personnel. These are broadcast messages. It is up to those receiving the message to determine if they have customers affected by the incident.

### Calculation

**Time to Notify CLEC** = (a - b)

- a = Date and Time BellSouth Notified CLEC
- b = Date and time BellSouth detected network incident

**Mean Time to Notify CLEC** = (c ÷ d)

- c = Sum of all Times to Notify CLEC
- d = Count of Network Incidents

### Report Structure

- BellSouth Aggregate
- CLEC Aggregate
- CLEC Specific

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• Major Network Events</li><li>• Date/Time of Incident</li><li>• Date/Time of Notification</li></ul>	<ul style="list-style-type: none"><li>• Report Month</li><li>• Major Network Events</li><li>• Date/Time of Incident</li><li>• Date/Time of Notification</li></ul>

### SQM Disaggregation - Analog / Benchmark

SQM Level of Disaggregation	Retail Analog / Benchmark
<ul style="list-style-type: none"><li>• BellSouth Aggregate</li><li>• CLEC Aggregate</li><li>• CLEC Specific</li></ul>	<ul style="list-style-type: none"><li>• Parity by Design</li></ul>

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

M&amp;R-7: Mean Time To Notify CLEC of Network Outages

## Section 5: Billing

### B-1: Invoice Accuracy

#### Definition

This measure provides the percentage of accuracy of the billing invoices rendered to CLECs during the current month.

#### Exclusions

- Adjustments not related to billing errors (e.g., credits for service outage, special promotion credits, adjustments to satisfy the customer)
- Test Accounts

#### Business Rules

The accuracy of billing invoices delivered by BellSouth to the CLEC must enable them to provide a degree of billing accuracy comparative to BellSouth bills rendered to retail customers of BellSouth. CLECs request adjustments on bills determined to be incorrect. The BellSouth Billing verification process includes manually analyzing a sample of local bills from each bill period. The bill verification process draws from a mix of different customer billing options and types of service. An end-to-end auditing process is performed for new products and services. Internal measurements and controls are maintained on all billing processes. The CLEC-specific raw data file (which is available on the PMAP web site) will contain the number of bills and adjustments for the reporting month. The number of bills and bill adjustments will be displayed by OCN and/or ACNA.

#### Calculation

$$\text{Invoice Accuracy} = [(a - b) \div a] \times 100$$

- a = Absolute Value of Total Billed Revenues during current month
- b = Absolute Value of Billing Related Adjustments during current month

$$\text{Measure of Adjustments} = [(c - d) \div c] \times 100$$

- c = Number of Bills in current month
- d = Number of Billing-related Adjustments in current month

#### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Geographic Scope
  - Region
  - State

**Data Retained**

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• Invoice Type<ul style="list-style-type: none"><li>- UNE</li><li>- Resale</li><li>- Interconnection</li></ul></li><li>• Total Billed Revenue</li><li>• Billing Related Adjustments</li><li>• Number of Bills</li><li>• Number of Adjustments</li></ul>	<ul style="list-style-type: none"><li>• Report Month</li><li>• Retail Type<ul style="list-style-type: none"><li>- CRIS</li><li>- CABS</li></ul></li><li>• Total Billed Revenue</li><li>• Billing Related Adjustments</li></ul>

**SQM Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• Product/Invoice Type<ul style="list-style-type: none"><li>- Resale</li><li>- UNE</li><li>- Interconnection</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Parity with BellSouth Retail Aggregate</li></ul>

**SEEM Measure**

SEEM Measure		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• Resale</li><li>• UNE</li><li>• Interconnection</li></ul>	<ul style="list-style-type: none"><li>• Parity with Retail</li></ul>

## B-2: Mean Time to Deliver Invoices

### Definition

Bill Distribution is calculated as follows: CRIS BILLS-The number of workdays is reported for CRIS bills. This is calculated by counting the Bill Period date as the first work day. Weekends and holidays are excluded when counting workdays. J/N Bills are counted in the CRIS work day category for the purposes of the measurement since their billing account number (Q account) is provided from the CRIS system.

CABS BILLS-The number of calendar days is reported for CABS bills. This is calculated by counting the day following the Bill Period date as the first calendar day. Weekends and holidays are included when counting the calendar days.

### Exclusions

None

### Business Rules

This report measures the mean interval for timeliness of billing records delivered to CLECs in an agreed upon format. CRIS-based invoices are measured in business days, and CABS-based invoices in calendar days.

### Calculation

Invoice Timeliness = (a - b)

- a = Invoice Transmission Date
- b = Close Date of Scheduled Bill Cycle

Mean Time To Deliver Invoices = (c ÷ d)

- c = Sum of all Invoice Timeliness intervals
- d = Count of Invoices Transmitted in Reporting Period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Geographic Scope
  - Region
  - State

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• Invoice Type<ul style="list-style-type: none"><li>- UNE</li><li>- Resale</li><li>- Interconnection</li><li>- State</li></ul></li><li>• Invoice Transmission Count</li><li>• Date of Scheduled Bill Close</li></ul>	<ul style="list-style-type: none"><li>• Report Month</li><li>• Invoice Type<ul style="list-style-type: none"><li>- CRIS</li><li>- CABS</li></ul></li><li>• Invoice Transmission Count</li><li>• Date of Scheduled Bill Close</li></ul>

**SQM Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation	SQM Analog/Benchmark
Product/Invoice Type <ul style="list-style-type: none"><li>• Resale</li><li>• UNE</li><li>• Interconnection</li><li>• State</li></ul>	<ul style="list-style-type: none"><li>• CRIS-based invoices will be released for delivery within six (6) business days.</li><li>• CABS-based invoices will be released for delivery within eight (8) calendar days.</li><li>• CLEC Average Delivery Intervals for both CRIS and CABS Invoices are comparable to BellSouth Average delivery for both systems.</li></ul>

**SEEM Measure**

SEEM Measure		
Yes	Tier I	X
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• CLEC State<ul style="list-style-type: none"><li>- CRIS</li><li>- CABS</li></ul></li><li>• BST-State</li></ul>	<ul style="list-style-type: none"><li>• Parity with Retail</li></ul>

## B-3: Usage Data Delivery Accuracy

### Definition

This measurement captures the percentage of recorded usage that is delivered error free and in an acceptable format to the appropriate Competitive Local Exchange Carrier (CLEC). These percentages will provide the necessary data for use as a comparative measurement for BellSouth performance. This measurement captures Data Delivery Accuracy rather than the accuracy of the individual usage recording.

### Exclusions

None

### Business Rules

The accuracy of the data delivery of usage records delivered by BellSouth to the CLEC must enable them to provide a degree of accuracy comparative to BellSouth bills rendered to their retail customers. If errors are detected in the delivery process, they are investigated, evaluated and documented. Errors are corrected and the data retransmitted to the CLEC.

### Calculation

**Usage Data Delivery Accuracy (Packs)** =  $(a - b) \div a \times 100$  (This calculation not ordered by the FPSC)

- a = Total number of usage data packs sent during current month
- b = Total number of usage data packs requiring retransmission during current month

**Usage Data Delivery Accuracy (Records)** =  $(c - d) \div c \times 100$

- c = Total number of usage records sent during current month
- d = Total number of usage records requiring retransmission during current month

### Report Structure

- CLEC Aggregate
- BellSouth Aggregate
- Geographic Scope
  - Region

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Record Type               <ul style="list-style-type: none"> <li>- BellSouth Recorded</li> <li>- Non-BellSouth Recorded</li> </ul> </li> <li>• Number of Records</li> <li>• Packs</li> </ul>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Record Type</li> <li>• Number of Records</li> <li>• Packs</li> </ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>• Region</li> </ul>	<ul style="list-style-type: none"> <li>• Parity With Retail</li> </ul>

### SEEM Measure

SEEM Measure		
Yes	Tier I	
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• CLEC State (In Tennessee, SEEM is based on records.)</li><li>• BellSouth Region</li></ul>	<ul style="list-style-type: none"><li>• Parity with Retail</li></ul>

## B-4: Usage Data Delivery Completeness

### Definition

This measurement provides percentage of complete and accurately recorded usage data (usage recorded by BellSouth and usage recorded by other companies and sent to BellSouth for billing) that is processed and transmitted to the CLEC within thirty (30) days of the message recording date. A parity measure is also provided showing completeness of BellSouth messages processed and transmitted via CMDS. BellSouth delivers its own retail usage from recording location to billing location via CMDS as well as delivering billing data to other companies. Timeliness, Completeness and Mean Time to Deliver Usage measures are reported on the same report.

### Exclusions

None

### Business Rules

The purpose of these measurements is to demonstrate the level of quality of usage data delivered to the appropriate CLEC. Method of delivery is at the option of the CLEC.

### Calculation

**Usage Data Delivery Completeness** =  $(a \div b) \times 100$

- a = Total number of Recorded usage records delivered during current month that are within thirty (30) days of the message recording date
- b = Total number of Recorded usage records delivered during the current month

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Region

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• Record Type<ul style="list-style-type: none"><li>- BellSouth Recorded</li><li>- Non-BellSouth Recorded</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Report Month</li><li>• Record Type</li></ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• Region</li></ul>	<ul style="list-style-type: none"><li>• Parity With Retail</li></ul>

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## B-5: Usage Data Delivery Timeliness

### Definition

This measurement provides a percentage of recorded usage data (usage recorded by BellSouth and usage recorded by other companies and sent to BellSouth for billing) that is delivered to the appropriate CLEC within six (6) calendar days from the receipt of the initial recording. A parity measure is also provided showing timeliness of BellSouth messages processed and transmitted via CMDS. Timeliness, Completeness and Mean Time to Deliver Usage measures are reported on the same report.

### Exclusions

None

### Business Rules

The purpose of this measurement is to demonstrate the level of timeliness for processing and transmission of usage data delivered to the appropriate CLEC. The usage data will be mechanically transmitted or mailed to the CLEC data processing center once daily. The Timeliness interval of usage recorded by other companies is measured from the date BellSouth receives the records to the date BellSouth distributes to the CLEC. Method of delivery is at the option of the CLEC

### Calculation

**Usage Data Delivery Timeliness Current month** =  $(a \div b) \times 100$

- a = Total number of usage records sent within six (6) calendar days from initial recording/receipt
- b = Total number of usage records sent

### Report Structure

- CLEC Aggregate
- CLEC Specific
- BellSouth Aggregate
- Region

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• Record Type<ul style="list-style-type: none"><li>- BellSouth Recorded</li><li>- Non-BellSouth Recorded</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Report Month</li><li>• Record Type</li></ul>

### SQM Level of Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• Region</li></ul>	<ul style="list-style-type: none"><li>• Parity with Retail</li></ul>

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## B-6: Mean Time to Deliver Usage

### Definition

This measurement provides the average time it takes to deliver Usage Records to a CLEC. A parity measure is also provided showing timeliness of BellSouth messages processed and transmitted via CMDS. Timeliness, Completeness and Mean Time to Deliver Usage measures are reported on the same report.

### Exclusions

None

### Business Rules

The purpose of this measure is to calculate the average number of days it takes BellSouth to deliver usage data to the appropriate CLEC. The calculation reflects the differences between the date the data is transmitted or mailed to the CLEC and the date the data is generated by Customer divided by the total record volume delivery.

Each delivery record is calculated as the time, in days, between when the customer generates the call and when BellSouth delivers the usage data to the CLEC. Each delivery record is categorized by the resulting number of days.

An estimated interval is calculated for each category by taking the total number of usage data records delivered for that period and multiplying it by the total number of days in that period. The mean (average) time to deliver the usage data is calculated by summing all estimated intervals and dividing by the total number of records delivered.

**Note:** Any usage record falling in the 30+ day interval will be added using an average figure of 31.5 days.

Usage data is mechanically transmitted or mailed to the CLEC data processing center once daily. Method of delivery is at the option of the CLEC.

### Calculation

**Delivery Interval Record** = (a - b)

- a = Date BellSouth delivers the usage data
- b = Date usage data is generated by the customer

**Estimated Interval** = (c X d)

- c = Number of records delivered in each category
- d = Number of days to deliver for the category

**Mean Time to Deliver Usage** = (e ÷ f)

- e = Sum of all estimated intervals
- f = Total number of records delivered

### Report Structure

- CLEC Aggregate
- CLEC Specific
- BellSouth Aggregate
- Region

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• Record Type<ul style="list-style-type: none"><li>- BellSouth Recorded</li><li>- Non-BellSouth Recorded</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Report Month</li><li>• Record Type</li></ul>

**SQM Level of Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation	SQM Analog/Benchmark
• Region	• Parity With Retail

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## B-7: Recurring Charge Completeness

### Definition

This measure captures percentage of fractional recurring charges appearing on the correct bill.

### Exclusions

None

### Business Rules

The effective date of the recurring charge must be within 30 days of the bill date for the charge to appear on the correct bill.

### Calculation

**Recurring Charge Completeness** =  $(a \div b) \times 100$

- a = Count of fractional recurring charges that are on the correct bill<sup>1</sup>
- b = Total count of fractional recurring charges that are on the correct bill

<sup>1</sup>Correct bill = next available bill

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report month</li><li>• Invoice Type</li><li>• Total Recurring Charges Billed</li><li>• Total Billed On Time</li></ul>	<ul style="list-style-type: none"><li>• Report month</li><li>• Retail Analog</li><li>• Total recurring charges billed</li><li>• Total Billed On Time</li></ul>

### SQM Level of Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Product/Invoice Type	
<ul style="list-style-type: none"><li>• Resale</li></ul>	<ul style="list-style-type: none"><li>• Parity</li></ul>
<ul style="list-style-type: none"><li>• UNE</li></ul>	<ul style="list-style-type: none"><li>• Benchmark 90%</li></ul>
<ul style="list-style-type: none"><li>• Interconnection</li></ul>	<ul style="list-style-type: none"><li>• Benchmark 90%</li></ul>

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

### SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• Not Applicable</li></ul>	<ul style="list-style-type: none"><li>• Not Applicable</li></ul>

## B-8: Non-Recurring Charge Completeness

### Definition

This measure captures percentage of non-recurring charges appearing on the correct bill.

### Exclusions

None

### Business Rules

The effective date of the non-recurring charge must be within 30 days of the bill date for the charge to appear on the correct bill.

### Calculation

**Non-Recurring Charge Completeness** =  $(a \div b) \times 100$

- a = Count of non-recurring charges that are on the correct bill<sup>1</sup>
- b = Total count of non-recurring charges that are on the correct bill

<sup>1</sup>Correct bill = next available bill

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report month</li> <li>• Invoice type</li> <li>• Total non-recurring charges billed</li> <li>• Total billed on time</li> </ul>	<ul style="list-style-type: none"> <li>• Report month</li> <li>• Retail Analog</li> <li>• Total non-recurring charges billed</li> <li>• Total billed on time</li> </ul>

### SQM Level of Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Product/Invoice Type	
<ul style="list-style-type: none"> <li>• Resale</li> </ul>	<ul style="list-style-type: none"> <li>• Parity</li> </ul>
<ul style="list-style-type: none"> <li>• UNE</li> </ul>	<ul style="list-style-type: none"> <li>• Benchmark 90%</li> </ul>
<ul style="list-style-type: none"> <li>• Interconnection</li> </ul>	<ul style="list-style-type: none"> <li>• Benchmark 90%</li> </ul>

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

### SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"> <li>• Not Applicable</li> </ul>	<ul style="list-style-type: none"> <li>• Not Applicable</li> </ul>

## B-9: Percent Daily Usage Feed Errors Corrected in X Business Days

### Definition

Measures the timely correction of Daily Usage Feed (DUF) errors in record information and Pack formats measured separately. Errors included (1) Pack Failure errors and (2) EMI content errors in records.

### Exclusions

- Usage that cannot be corrected and resent or usage that the CLEC doesn't want Retransmitted.
- CLEC Problem/Issue/File Retransmission forms disputed by BellSouth SMEs that do not result in an EMI error.
- CLEC notification received by BellSouth > 10 business days from transmission date of errored messages or packs.

### Business Rules

This measure will provide the % of errors corrected in X Business days.

Pack Failure errors are defined as a DUF header/trailer error containing one or more of the following conditions: Grand total records not equal to records in pack or sequence/invoice numbers for a from RAO is not sequential

EMI content errors are defined as those records with errors contained in the EMI detail records that cause a message to be unbillable by the CLEC

Only notification received via the CLEC Problem/Issue/File Retransmission form will be included in this measure. To locate the form, go to the PMAP web site (<http://www.pmap.bellsouth.com/>) and click the Documentation Downloads link, then select the "CLEC Problem/Issue/File Retransmission form."

When circumstances arise for multiple content errors it is not necessary for the form to be filled out in its entirety, the CLECs agree to provide sufficient information for content error research so that a thorough investigation and resolution can be completed.

For each type error condition, a new CLEC Problem/Issue/File Retransmission form should be submitted.

EMI content errors should be attached in a separate file from the CLEC Problem/Issue/File Retransmission form

Elapsed time is measured in business days.

The clock starts when BellSouth receives CLEC's Problem/Issue/File Retransmission form.

The clock stops when BellSouth provides the corrected usage to the CLEC using the predesignated DUF delivery method.

This measure applies only to CLECs that are ODUF and ADUF participants

### Calculation

**Timeliness of Daily Usage EMI Content Errors Corrected** =  $(a \div b) \times 100$

- a = Total number of Daily Usage Records with EMI Content Errors Corrected in the reporting month within 10 Business Days.
- b = Total number of Daily Usage Records with EMI Content Errors corrected in reporting month.

**Timeliness of Daily Usage Pack Format Errors Corrected** =  $(c \div d) \times 100$

- c = Total number of Daily Usage Packs with Format Errors Corrected in the reporting month within 4 Business Days.
- d = Total number of Daily Usage Packs with Format Errors corrected in reporting month

### Report Structure

- CLEC Specific
  - Total number of BST disputed Daily Usage Records with EMI Content Errors received in reporting month.
  - Total number of Daily Usage Records with EMI Content Errors received in reporting month.
  - Total number of BST disputed Daily Usage Packs with Format Errors received in reporting month
  - Total number of Daily Usage Packs with Format Errors received in reporting month
- CLEC Aggregate
- Geographic Scope
  - Region

**Data Retained**

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>Report month<ul style="list-style-type: none"><li>BellSouth Recorded</li><li>Non-BellSouth Recorded</li></ul></li></ul>	<ul style="list-style-type: none"><li>None</li></ul>

**SQM Level of Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>Region</li></ul>	<ul style="list-style-type: none"><li>Diagnostic</li></ul>

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>Not Applicable</li></ul>	<ul style="list-style-type: none"><li>Not Applicable</li></ul>

## B-10: Percent Billing Errors Corrected in X Days

### Definition

Measures timely carrier bill adjustments.

### Exclusions

Billing adjustments requests that are rejected by BellSouth or disputed by BellSouth.

Adjustments that are initiated by BellSouth.

### Business Rules

This measure applies to CLEC wholesale bill adjustments. IXC Access billing adjustment requests are not reflected in this measure. Elapsed time is measured in business days. Clock starts when BellSouth receives the ALECs Billing Adjustment Request (BAR) form (BAR form and instructions found at [WWW.interconnection.bellsouth.com/forms/html/billing & collections.html](http://WWW.interconnection.bellsouth.com/forms/html/billing%20&%20collections.html)) and the clock stops when adjustments is made to bill through ACATS or BOCRIS (generally next CLEC bill unless adjustment request after middle of the month). BellSouth will report separately those adjustment requests that are disputed by BellSouth.

### Calculation

**Percent Billing Errors Corrected in 45 Days** =  $(a / b) \times 100$

- a = Number of BellSouth Adjustments in 45 Days
- b = Total Number of Adjustment Requests in Reporting Period

### Report Structure

- CLEC Specific
- CLEC Aggregate
- Geographic Scope:
- State Specific

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Number of BellSouth Adjustments in 45 days</li><li>• Total number of Billing Adjustment Requests in Reporting Period</li><li>• Number of Adjustments disputed by BellSouth (reported separately)</li></ul>	<ul style="list-style-type: none"><li>• None</li></ul>

### SQM Disaggregation - Retail Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• State</li></ul>	<ul style="list-style-type: none"><li>• Diagnostic</li></ul>

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

B-10: Percent Billing Errors Corrected in X Days

## Section 6: Operator Services And Directory Assistance

### OS-1: Speed to Answer Performance/Average Speed to Answer – Toll

#### Definition

Measurement of the average time in seconds calls wait before answered by a toll operator.

#### Exclusions

None

#### Business Rules

The clock starts when the customer enters the queue and the clock stops when a BellSouth representative answers the call or the customer abandons the call. The length of each call is determined by measuring, using a scanning technique, and accumulating the elapsed time from the entry of a customer call into the BellSouth call management system queue until the customer call is abandoned or transferred to BellSouth personnel assigned to handle calls for assistance. The system makes no distinction between CLEC customers and BellSouth customers.

#### Calculation

**Speed to Answer Performance/Average Speed to Answer – Toll** =  $a \div b$

- a = Total queue time
- b = Total calls answered

**Note:** Total queue time includes time that answered calls wait in queue as well as time abandoned calls wait in queue prior to abandonment.

#### Report Structure

- Reported for the aggregate of BellSouth and CLECs
  - State

#### Data Retained (on Aggregate Basis)

- For the items below, BellSouth's Performance Measurement Analysis Platform (PMAP) receives a final computation; therefore, no raw data file is available in PMAP
- Month
- Call Type (Toll)
- Average Speed of Answer

#### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• None</li></ul>	<ul style="list-style-type: none"><li>• Parity by Design</li></ul>

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## OS-2: Speed to Answer Performance/Percent Answered with “X” Seconds – Toll

### Definition

Measurement of the percent of toll calls that are answered in less than ten seconds

### Exclusions

None

### Business Rules

The clock starts when the customer enters the queue and the clock stops when a BellSouth representative answers the call or the customer abandons the call. The length of each call is determined by measuring, using a scanning technique, and accumulating the elapsed time from the entry of a customer call into the BellSouth call management system queue until the customer call is abandoned or transferred to BellSouth personnel assigned to handle calls for assistance. The system makes no distinction between CLEC customers and BellSouth customers.

### Calculation

The Percent Answered within “X” Seconds measurement for toll is derived by using the BellCore Statistical Answer Conversion Tables, to convert the Average Speed to Answer measure into a percent of calls answered within “X” seconds. The BellCore Conversion Tables are specific to the defined parameters of work time, number of operators, max queue size and call abandonment rates.

### Report Structure

- Reported for the aggregate of BellSouth and CLECs
  - State

### Data Retained (on Aggregate Basis)

- For the items below, BellSouth’s Performance Measurement Analysis Platform (PMAP) receives a final computation; therefore, no raw data file is available in PMAP
- Month
- Call Type (Toll)
- Average Speed of Answer

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation:	SQM Analog/Benchmark
• None	• Parity by Design

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

### SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## DA-1: Speed to Answer Performance/Average Speed to Answer – Directory Assistance (DA)

### Definition

Measurement of the average time in seconds calls wait before answered by a DA operator.

### Exclusions

None

### Business Rules

The clock starts when the customer enters the queue and the clock stops when a BellSouth representative answers the call or the customer abandons the call. The length of each call is determined by measuring, using a scanning technique, and accumulating the elapsed time from the entry of a customer call into the BellSouth call management system queue until the customer call is abandoned or transferred to BellSouth personnel assigned to handle calls for assistance. The system makes no distinction between CLEC customers and BellSouth customers.

### Calculation

**Speed to Answer Performance/Average Speed to Answer – Directory Assistance (DA) =  $a \div b$**

- a = Total queue time
- b = Total calls answered

**Note:** Total queue time includes time that answered calls wait in queue as well as time abandoned calls wait in queue prior to abandonment.

### Report Structure

- Reported for the aggregate of BellSouth and CLECs
  - State

### Data Retained (on Aggregate Basis)

- For the items below, BellSouth's Performance Measurement Analysis Platform (PMAP) receives a final computation; therefore, no raw data file is available in PMAP
- Month
- Call Type (DA)
- Average Speed of Answer

### SQM Level of Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• None	• Parity by Design

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

### SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## DA-2: Speed to Answer Performance/Percent Answered within “X” Seconds – Directory Assistance (DA)

### Definition

Measurement of the percent of DA calls that are answered in less than twelve seconds.

### Exclusions

None

### Business Rules

The clock starts when the customer enters the queue and the clock stops when a BellSouth representative answers the call or the customer abandons the call. The length of each call is determined by measuring, using a scanning technique, and accumulating the elapsed time from the entry of a customer call into the BellSouth call management system queue until the customer call is abandoned or transferred to BellSouth personnel assigned to handle calls for assistance. The system makes no distinction between CLEC customers and BellSouth customers.

### Calculation

The Percent Answered within “X” Seconds measurement for DA is derived by using the BellCore Statistical Answer Conversion Tables, to convert the Average Speed to Answer measure into a percent of calls answered within “X” seconds. The BellCore Conversion Tables are specific to the defined parameters of work time, number of operators, max queue size and call abandonment rates.

### Report Structure

- Reported for the aggregate of BellSouth and CLECs
  - State

### Data Retained (on Aggregate Basis)

- For the items below, BellSouth’s Performance Measurement Analysis Platform (PMAP) receives a final computation; therefore, no raw data file is available in PMAP.
- Month
- Call Type (DA)
- Average Speed of Answer

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• None	• Parity by Design

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

### SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## Section 7: Database Update Information

### D-1: Average Database Update Interval

#### Definition

This report measures the interval from receipt of the database change request to the completion of the update to the database for Line Information Database (LIDB), Directory Assistance and Directory Listings.

#### Exclusions

- Updates Canceled by the CLEC
- Initial update when supplemented by CLEC
- BellSouth updates associated with internal or administrative use of local services.

#### Business Rules

The interval for this measure begins with the date and time stamp when a service order is completed and the completion notice is released to all systems to be updated with the order information including Directory Assistance, Directory Listings, and Line Information Database (LIDB). The end time stamp is the date and time of completion of updates to the system.

##### For BellSouth Results:

The BellSouth computation is identical to that for the CLEC with the clarifications noted below.

##### Other Clarifications and Qualification:

- For LIDB, the elapsed time for a BellSouth update is measured from the point in time when the BellSouth file maintenance process makes the LIDB update information available until the date and time reported by BellSouth that database updates are completed.
- Results for the CLECs are captured and reported at the update level by Reporting Dimension (see below).
- The Completion Date is the date upon which BellSouth issues the Update Completion Notice to the CLEC.
- If the CLEC initiates a supplement to the originally submitted update and the supplement reflects changes in customer requirements (rather than responding to BellSouth initiated changes), then the update submission date and time will be the date and time of BellSouth receipt of a syntactically correct update supplement. Update activities responding to BellSouth initiated changes will not result in changes to the update submission date and time used for the purposes of computing the update completion interval.
- Elapsed time is measured in hours and hundredths of hours rounded to the nearest tenth of an hour.
- Because this should be a highly automated process, the accumulation of elapsed time continues through off-schedule, weekends and holidays; however, scheduled maintenance windows are excluded.

#### Calculation

**Update Interval** = (a - b)

- a = Completion Date & Time of Database Update
- b = Submission Date and Time of Database Change

**Average Update Interval** = (c ÷ d)

- c = Sum of all Update Intervals
- d = Total Number of Updates Completed During Reporting Period

#### Report Structure

- CLEC Specific (Under development)
- CLEC Aggregate
- BellSouth Aggregate

**Data Retained**

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Database File Submission Time</li><li>• Database File Update Completion Time</li><li>• CLEC Number of Submissions</li><li>• Total Number of Updates</li></ul>	<ul style="list-style-type: none"><li>• Database File Submission Time</li><li>• Database File Update Completion Time</li><li>• BellSouth Number of Submissions</li><li>• Total Number of Updates</li></ul>

**SQM Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation:	SQM Analog/Benchmark
Database Type <ul style="list-style-type: none"><li>• LIDB</li><li>• Directory Listings</li><li>• Directory Assistance</li></ul>	<ul style="list-style-type: none"><li>• Parity by Design</li></ul>

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>• Not Applicable</li></ul>	<ul style="list-style-type: none"><li>• Not Applicable</li></ul>

## D-2: Percent Database Update Accuracy

### Definition

This report measures the accuracy of database updates by BellSouth for Line Information Database (LIDB) Directory Assistance and Directory Listings using a statistically valid sample of LSRs/Orders in a manual review. This manual review is not conducted on BellSouth Retail Orders.

### Exclusions

- Updates canceled by the CLEC
- Initial update when supplemented by CLEC
- CLEC orders that had CLEC errors
- BellSouth updates associated with internal or administrative use of local services.

### Business Rules

For each update completed during the reporting period, the original update that the CLEC sent to BellSouth is compared to the database following completion of the update by BellSouth. An update is “completed without error” if the database completely and accurately reflects the activity specified on the original and supplemental update (e.g., orders) submitted by the CLEC. Each database (e.g., LIDB, Directory Assistance and Directory Listings) should be separately tracked and reported.

A statistically valid sample of CLEC Orders will be pulled each month. The sample will be used to test the accuracy of the database update process. This is a manual process.

### Calculation

**Percent Update Accuracy** =  $(a \div b) \times 100$

- a = Number of Updates Completed Without Error
- b = Number Updates Completed

### Report Structure

- CLEC Aggregate
- CLEC Specific (not available in this report)
- BellSouth Aggregate (not available in this report)

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Report Month</li><li>• CLEC Order Number (so_nbr) and PON (PON)</li><li>• Local Service Request (LSR)</li><li>• Order Submission Date</li><li>• Number of Orders Reviewed</li></ul> <p><b>Note:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	<ul style="list-style-type: none"><li>• Not Applicable</li></ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Database Type <ul style="list-style-type: none"><li>• LIDB</li><li>• Directory Listings</li></ul>	<ul style="list-style-type: none"><li>• 95% Accurate</li></ul>

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## D-3: Percent NXXs and LRNs Loaded by the LERG Effective Date

### Definition

Measurement of the percent of NXX(s) and Location Routing Numbers LRN(s) loaded and tested in new end office and/or tandem switches by the Local Exchange Routing Guide (LERG) effective date when facilities are in place. BellSouth has a single provisioning process for both NXX(s) and LRN(s). In this measure BellSouth will identify whether or not a particular NXX has been flagged as LNP capable (set triggers for dips) by the LERG effective date.

An LRN is assigned by the owner of the switch and is placed into the software translations for every switch to be used as an administrative pointer to route NXX(s) in LNP capable switches. The LRN is a result of Local Number Porting and is housed in a national database provided by the Number Portability Administration Center (NPAC). The switch owner is responsible for notifying NPAC and requesting the effective date that will be reflected in the LERG. The national database downloads routing tables into BellSouth's Service Control Point (SCP) regional databases, which are queried by switches when routing ported numbers.

The basic NXX routing process includes the addition of all NXX(s) in the response translations. This addition to response translations is what supports LRN routing. Routing instructions for all NXX(s), including LRN(s), are received from the Advance Routing & Trunking System (ARTS) and all routing, including response, is established based on the information contained in the Translation Work Instructions (TWINs) document.

### Exclusions

- Activation requests where the CLEC's interconnection arrangements and facilities are not in place by the LERG effective date.
- Expedite requests

### Business Rules

Data for the initial NXX(s) and LRN(s) in a local calling area will be based on the LERG effective date or completion of the initial interconnection trunk group(s), whichever is longer. Data for additional NXX(s) in the local calling area will be based on the LERG effective date. The LERG effective date is loaded into the system at the request of the CLEC. It is contingent upon the CLEC to engineer, order, and install interconnection arrangements and facilities prior to that date.

The total Count of NXX(s) and LRN(s) that were scheduled to be loaded and those that were loaded by the LERG effective date in BellSouth switches will be captured in the Work Force Administration -Dispatch In database.

### Calculation

**Percent NXXs/LRNs Loaded and Tested Prior to the LERG Effective Date** =  $(a \div b) \times 100$

- a = Count of NXXs and LRNs loaded by the LERG effective date
- b = Total NXXs and LRNs to be scheduled and loaded by the LERG effective date

### Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth (Not Applicable)

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"><li>• Company Name</li><li>• Company Code</li><li>• NPA/NXX</li><li>• LERG Effective Date</li><li>• Loaded Date</li></ul>	<ul style="list-style-type: none"><li>• Not Applicable</li></ul>

**SQM Disaggregation - Analog/Benchmark**

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>Geographic Scope</li><li>- Region</li></ul>	<ul style="list-style-type: none"><li>100% by LERG Effective Date</li></ul>

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>Not Applicable</li></ul>	<ul style="list-style-type: none"><li>Not Applicable</li></ul>

## Section 8: E911

### E-1: Timeliness

#### Definition

Measures the percent of batch orders for E911 database updates (to CLEC resale and BellSouth retail records) processed successfully within a 24-hour period.

#### Exclusions

- Any resale order canceled by a CLEC
- Facilities-based CLEC orders

#### Business Rules

The 24-hour processing period is calculated based on the date and time processing starts on the batch orders and the date and time processing stops on the batch orders. Mechanical processing starts when SCC (the BellSouth E911 vendor) receives E911 files containing batch orders extracted from the BellSouth Service Order Control System (SOCS). Processing stops when SCC loads the individual records to the E911 database. The E911 database includes updates to the Automatic Location Identification (ALI) database. The system makes no distinction between CLEC resale records and BellSouth retail records.

#### Calculation

$$\text{E911 Timeliness} = (a \div b) \times 100$$

- a = Number of batch orders processed within 24 hours
- b = Total number of batch orders submitted

#### Report Structure

Reported for the aggregate of CLEC resale updates and BellSouth retail updates

- State
- Region

#### Data Retained

- Report month
- Aggregate data

#### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• None	• Parity by Design

#### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## E-2: Accuracy

### Definition

Measures the percent of E911 telephone number (TN) record updates (to CLEC resale and BellSouth retail records) processed successfully for E911 (including the Automatic Location Identification (ALI) database).

### Exclusions

- Any resale order canceled by a CLEC
- Facilities-based CLEC orders

### Business Rules

Accuracy is based on the number of records processed without error at the conclusion of the processing cycle. Mechanical processing starts when SCC (the BellSouth E911 vendor) receives E911 files containing telephone number (TN) records extracted from BellSouth's Service Order Control System (SOCS). The system makes no distinction between CLEC resale records and BellSouth retail records.

### Calculation

$$\text{E911 Accuracy} = (a \div b) \times 100$$

- a = Number of record individual updates processed with no errors
- b = Total number of individual record updates

### Report Structure

Reported for the aggregate of CLEC resale updates and BellSouth retail updates

- State
- Region

### Data Retained

- Report month
- Aggregate data

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• None	• Parity by Design

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

### SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## E-3: Mean Interval

### Definition

Measures the mean interval processing of E911 batch orders (to update CLEC resale and BellSouth retail records) including processing against the Automatic Location Identification (ALI) database.

### Exclusions

- Any resale order canceled by a CLEC
- Facilities-based CLEC orders

### Business Rules

The processing period is calculated based on the date and time processing starts on the batch orders and the date and time processing stops on the batch orders. Data is posted in 4-hour increments up to and beyond 24 hours. The system makes no distinction between CLEC resale records and BellSouth retail records.

### Calculation

**E911 Interval** = (a - b)

- a = Date and time of batch order completion
- b = Date and time of batch order submission

**E911 Mean Interval** = (c ÷ d)

- c = Sum of all E911 Intervals
- d = Number of batch orders completed

### Report Structure

Reported for the aggregate of CLEC resale updates and BellSouth retail updates

- State
- Region

### Data Retained

- Report month
- Aggregate data

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• None	• Parity by Design

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

### SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## Section 9: Trunk Group Performance

### TGP-1: Trunk Group Performance-Aggregate

#### Definition

The Trunk Group Performance report displays, over a reporting cycle, aggregate, average trunk group blocking data for each hour of each day of the reporting cycle, for both CLEC affecting and BellSouth affecting trunk groups.

#### Exclusions

- Trunk Groups for which there was no valid data available for an entire study period
- Duplicate trunk group information

#### Business Rules

The purpose of the Trunk Group Performance Report is to provide trunk blocking measurements on CLEC and BellSouth trunk groups for comparison only. It is not the intent of the report that it be used for network management and/or engineering.

##### Monthly Average Blocking:

- The reporting cycle includes both business and non-business days in a calendar month.
- Monthly average blocking values are calculated for each trunk group for each of the 24 time consistent hours across a reporting cycle.

##### Aggregate Monthly Blocking:

- Used to compare aggregate blocking across trunk groups which terminate traffic at CLEC points of presence versus BellSouth switches.
- Aggregate monthly blocking data is calculated for each hour of the day across all trunk groups assigned to a category.

##### Trunk Categorization:

This report displays, over a reporting cycle, aggregate, average blocking data for each hour of a day. Therefore, for each reporting cycle, 24 blocking data points are generated for two aggregate groups of selected trunk groups. These groups are CLEC affecting and BellSouth affecting trunk groups. In order to assign trunk groups to each aggregate group, all trunk groups are first assigned to a category. A trunk group's end points and the type of traffic that is transmitted on it define a category. Selected categories of trunk groups are assigned to the aggregate groups so that trunk reports can be generated. The categories to which trunk groups have been assigned for this report are as follows.

##### CLEC Affecting Categories:

	Point A	Point B
Category 1:	BellSouth End Office	BellSouth Access Tandem
Category 3:	BellSouth End Office	CLEC Switch
Category 4:	BellSouth Local Tandem	CLEC Switch
Category 5:	BellSouth Access Tandem	CLEC Switch
Category 10:	BellSouth End Office	BellSouth Local Tandem
Category 16:	BellSouth Tandem	BellSouth Tandem

##### BellSouth Affecting Categories:

	Point A	Point B
Category 9:	BellSouth End Office	BellSouth End Office

## Calculation

### Monthly Average Blocking:

- For each hour of the day, each day's raw data are summed across all valid measurements days in a report cycle for blocked and attempted calls.
- The sum of the blocked calls is divided by the total number of calls attempted in a reporting period.

### Aggregate Monthly Blocking:

- For each hour of the day, the monthly sums of the blocked and attempted calls from each trunk group are separately aggregated over all trunk groups within each assigned category.
- The total blocked calls is divided by the total call attempts within a group to calculate an aggregate monthly blocking for each assigned group.
- The result is an aggregate monthly average blocking value for each of the 24 hours by group.
- The difference between the CLEC and BellSouth affecting trunk groups are also calculated for each hour.

## Report Structure

- CLEC Aggregate
- BellSouth Aggregate
  - State

## Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Total Trunk Groups</li> <li>• Number of Trunk Groups by CLEC</li> <li>• Hourly Blocking Per Trunk Group</li> <li>• Hourly Usage Per Trunk Group</li> <li>• Hourly Call Attempts Per Trunk Group</li> </ul>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Total Trunk Groups</li> <li>• Aggregate Hourly Blocking Per Trunk Group</li> <li>• Hourly Usage Per Trunk Group</li> <li>• Hourly Call Attempts Per Trunk Group</li> </ul>

## SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>• CLEC Aggregate</li> <li>• BellSouth Aggregate</li> </ul>	<ul style="list-style-type: none"> <li>• Any 2 hour period in 24 hours where CLEC blockage exceeds BellSouth blockage by more than 0.5% using trunk groups 1, 3, 4, 5, 10, 16 for CLECs and 9 for BellSouth</li> </ul>

## SEEM Measure

SEEM Measure		
Yes	Tier I	
	Tier II	X

## SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"> <li>• CLEC Aggregate</li> <li>• BellSouth Aggregate</li> </ul>	<ul style="list-style-type: none"> <li>• Any 2 hour period in 24 hours where CLEC blockage exceeds BellSouth blockage by more than 0.5% using trunk groups 1,3,4,5,10,16 for CLECs and 9 for BellSouth</li> </ul>

## TGP-2: Trunk Group Performance – CLEC Specific

### Definition

The Trunk Group Performance report displays, over a reporting cycle, aggregate, average trunk group blocking data for each hour of each day of the reporting cycle, for both CLEC affecting and BellSouth affecting trunk groups.

### Exclusions

- Trunk Groups for which there was no valid data available for an entire study period
- Duplicate trunk group information

### Business Rules

The purpose of the Trunk Group Performance Report is to provide trunk blocking measurements on CLEC and BellSouth trunk groups for comparison only. It is not the intent of the report that it be used for network management and/or engineering.

#### Monthly Average Blocking:

- The reporting cycle includes both business and non-business days in a calendar month.
- Monthly average blocking values are calculated for each trunk group for each of the 24 time consistent hours across a reporting cycle.

#### Aggregate Monthly Blocking:

- Used to compare aggregate blocking across trunk groups which terminate traffic at CLEC points of presence versus BellSouth switches.
- Aggregate monthly blocking data is calculated for each hour of the day across all trunk groups assigned to a category.

#### Trunk Categorization:

- This report displays, over a reporting cycle, aggregate, average blocking data for each hour of a day. Therefore, for each reporting cycle, 24 blocking data points are generated for two aggregate groups of selected trunk groups. These groups are CLEC affecting and BellSouth affecting trunk groups. In order to assign trunk groups to each aggregate group, all trunk groups are first assigned to a category. A trunk group's end points and the type of traffic that is transmitted on it define a category. Selected categories of trunk groups are assigned to the aggregate groups so that trunk reports can be generated. The categories to which trunk groups have been assigned for this report are as follows.

#### CLEC Affecting Categories:

	Point A	Point B
Category 1:	BellSouth End Office	BellSouth Access Tandem
Category 3:	BellSouth End Office	CLEC Switch
Category 4:	BellSouth Local Tandem	CLEC Switch
Category 5:	BellSouth Access Tandem	CLEC Switch
Category 10:	BellSouth End Office	BellSouth Local Tandem
Category 16:	BellSouth Tandem	BellSouth Tandem

#### BellSouth Affecting Categories:

	Point A	Point B
Category 9:	BellSouth End Office	BellSouth End Office

### Calculation

#### Monthly Average Blocking:

- For each hour of the day, each day's raw data are summed across all valid measurements days in a report cycle for blocked and attempted calls.
- The sum of the blocked calls is divided by the total number of calls attempted in a reporting period.

#### Aggregate Monthly Blocking:

- For each hour of the day, the monthly sums of the blocked and attempted calls from each trunk group are separately aggregated over all trunk groups within each assigned category.
- The total blocked calls is divided by the total call attempts within a group to calculate an aggregate monthly blocking for each assigned group.
- The result is an aggregate monthly average blocking value for each of the 24 hours by group.
- The difference between the CLEC and BellSouth affecting trunk groups are also calculated for each hour.

## Report Structure

- CLEC Specific
  - State

## Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Total Trunk Groups</li> <li>• Number of Trunk Groups by CLEC</li> <li>• Hourly Blocking Per Trunk Group</li> <li>• Hourly Usage Per Trunk Group</li> <li>• Hourly Call Attempts Per Trunk Group</li> </ul>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Total Trunk Groups</li> <li>• Aggregate Hourly Blocking Per Trunk Group</li> <li>• Hourly Usage Per Trunk Group</li> <li>• Hourly Call Attempts Per Trunk Group</li> </ul>

## SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>• CLEC Trunk Group</li> </ul>	<ul style="list-style-type: none"> <li>• Any 2 hour period in 24 hours where CLEC blockage exceeds BellSouth blockage by more than 0.5% using trunk groups 1, 3, 4, 5, 10, 16 for CLECs and 9 for BellSouth</li> </ul>

## SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	

## SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"> <li>• CLEC Trunk Group</li> <li>• BellSouth Trunk Group</li> </ul>	<ul style="list-style-type: none"> <li>• Any 2 hour period in 24 hours where CLEC blockage exceeds BellSouth blockage by more than 0.5% using trunk groups 1, 3, 4, 5, 10, 16 for CLECs and 9 for BellSouth</li> </ul>

## Section 10: Collocation

### C-1: Collocation Average Response Time

#### Definition

Measures the average time (counted in calendar days) from the receipt of a complete and accurate collocation application (including receipt of application fee if required) to the date BellSouth returns a response electronically or in writing. Within 10 calendar days after having received a bona fide application for physical collocation, BellSouth must respond as to whether space is available or not.

#### Exclusions

Any application canceled by the CLEC

#### Business Rules

The clock starts on the date that BellSouth receives a complete and accurate collocation application accompanied by the appropriate application fee if required. The clock stops on the date that BellSouth returns a response. The clock will restart upon receipt of changes to the original application request.

#### Calculation

**Response Time** = (a - b)

- a = Request Response Date
- b = Request Submission Date

**Average Response Time** = (c ÷ d)

- c = Sum of all Response Times
- d = Count of Responses Returned within Reporting Period

#### Report Structure

- Individual CLEC (alias) aggregate
- Aggregate of all CLECs

#### Data Retained

- Report period
- Aggregate data

#### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• State</li><li>• Virtual-Initial</li><li>• Virtual-Augment</li><li>• Physical Caged-Initial</li><li>• Physical Caged-Augment</li><li>• Physical-Cageless-Initial</li><li>• Physical Cageless-Augment</li></ul>	<ul style="list-style-type: none"><li>• Virtual - 15 Calendar Days</li><li>• Physical Caged - 15 Calendar Days</li><li>• Physical Cageless - 15 Calendar Days</li></ul>

**SEEM Measure**

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## C-2: Collocation Average Arrangement Time

### Definition

Measures the average time (counted in calendar days) from receipt of a complete and accurate Bona Fide firm order (including receipt of appropriate fee if required) to the date BellSouth completes the collocation arrangement and notifies the CLEC and the CLEC accepts the arrangement.

### Exclusions

Any Bona Fide firm order canceled by the CLEC

### Business Rules

The clock starts on the date that BellSouth receives a complete and accurate Bone Fide firm order accompanied by the appropriate fee. The clock stops on the date that BellSouth completes the collocation arrangement and notifies the CLEC. The cable assignments associated with the specific collocation request will be provided prior to completion of the arrangement.

### Calculation

**Arrangement Time** = (a - b)

- a = Date Collocation Arrangement is Complete
- b = Date Order for Collocation Arrangement Submitted

**Average Arrangement Time** = (c ÷ d)

- c = Sum of all Arrangement Times
- d = Total Number of Collocation Arrangements Completed during Reporting Period

### Report Structure

- Individual CLEC (alias) aggregate
- Aggregate of all CLECs

### Data Retained

- Report period
- Aggregate data

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"><li>• State</li><li>• Virtual-Initial</li><li>• Virtual-Augment</li><li>• Physical Caged-Initial</li><li>• Physical Caged-Augment</li><li>• Physical Cageless-Initial</li><li>• Physical Cageless-Augment</li></ul>	<ul style="list-style-type: none"><li>• Virtual - 60 Calendar Days</li><li>• Virtual-Augment - 45 Calendar Days (Without Space Increase)</li><li>• Virtual-Augment - 60 Calendar Days (With Space Increase)</li><li>• Physical Caged - 90 Calendar Days (Ordinary)</li><li>• Physical Caged-Augment - 45 Calendar Days (Without Space Increase)</li><li>• Physical Caged-Augment - 90 Calendar Days (With Space Increase)</li><li>• Physical Cageless - 90 Calendar Days</li><li>• Physical Cagedless-Augment - 45 Calendar Days (Without Space Increase)</li><li>• Physical Cagedless-Augment - 90 Calendar Days (With Space Increase)</li></ul>

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## C-3: Collocation Percent of Due Dates Missed

### Definition

Measures the percent of missed due dates for both virtual and physical collocation arrangements

### Exclusions

Any Bona Fide firm order canceled by the CLEC

### Business Rules

Percent Due Dates Missed is the percent of total collocation arrangements which BellSouth is unable to complete by end of the BellSouth committed due date. The clock starts on the date that BellSouth receives a complete and accurate Bona Fide firm order accompanied by the appropriate fee if required. The arrangement is considered a missed due date if it is not completed on or before the committed due date

### Calculation

**% of Due Dates Missed** =  $(a \div b) \times 100$

- a = Number of Completed Orders that were not completed within BellSouth Committed Due Date during Reporting Period
- b = Number of Orders Completed in Reporting Period

### Report Structure

- Individual CLEC (alias) aggregate
- Aggregate of all CLECs

### Data Retained

- Report period
- Aggregate data

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>• State</li> <li>• Virtual-Initial</li> <li>• Virtual- Augment</li> <li>• Physical Caged- Initial</li> <li>• Physical Caged- Augment</li> <li>• Physical Cageless- Initial</li> <li>• Physical Cageless- Augment</li> </ul>	<ul style="list-style-type: none"> <li>• <math>\geq 95\%</math> on time</li> </ul>

### SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X

### SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"> <li>• All Collocation Arrangements</li> </ul>	<ul style="list-style-type: none"> <li>• <math>\geq 95\%</math> on time</li> </ul>

## Section 11: Change Management

### CM-1: Timeliness of Change Management Notices

#### Definition

Measures whether CLECs receive required software release notices on time to prepare for BellSouth interface/system changes so CLEC interfaces are not impaired by change.

#### Exclusions

- Changes to release dates for reasons outside BellSouth control, such as the system software vendor changes. For example: a patch to fix a software problem.
- Type 6 Change Requests (Defects/Expedites), as defined by the Change Control Process (CCP)

#### Business Rules

This metric is designed to measure the percent of change management notices sent to the CLECs according to notification standards and time frames set forth in the Change Control Process. The CCP is used by BellSouth and the CLECs to manage requested changes to the BellSouth Local Interfaces.

The clock starts on the notification date. The clock stops on the software release date. When project events occur (scope changes, analysis information, etc.), the software release date may change. A revised notification would be required and the clock would restart. Based on release constraints for defects/expedites, notification may be less than the agreed upon interval in the CCP for new features.

#### Calculation

**Timeliness of Change Management Notices** =  $(a \div b) \times 100$

- a = Total number of Change Management Notifications Sent Within Required Time frames
- b = Total Number of Change Management Notifications Sent

#### Report Structure

- BellSouth Aggregate

#### Data Retained

- Report Period
- Notice Date
- Release Date

#### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Region	• 98% on time

#### SEEM Measure

SEEM Measure		
Yes	Tier I	
	Tier II	X

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
<ul style="list-style-type: none"><li>Region</li></ul>	<ul style="list-style-type: none"><li>98% on time</li></ul>

## CM-2: Change Management Notice Average Delay Days

### Definition

Measures the average delay days for change management system release notices sent outside the time frame set forth in the Change Control Process.

### Exclusions

- Changes to release dates for reasons outside BellSouth control, such as the system vendor
- Type 6 Change Requests (Defects/Expedites), as defined by the Change Control Process

### Business Rules

This metric is designed to measure the percent of change management notices sent to the CLECs according to notification standards and time frames set forth in the Change Control Process. The CCP is used by BellSouth and the CLECs to manage requested changes to the BellSouth Local Interfaces.

The clock starts on the notification due date. The clock stops on the software release date. When project events occur (scope changes, analysis information, etc.), the software release date may change. A revised notification would be required and the clock would restart. Based on release constraints for defects/expedites, notification may be less than the agreed upon interval in the CCP for new features

### Calculation

**Change Management Notice Delay Days** = (a - b)

- a = Date Notice Sent
- b = Date Notice Due

**Change Management Notice Average Delay Days** = (c ÷ d)

- c = Sum of all Change Management Notice Delay Days
- d = Total Number of Notices Sent Late

### Report Structure

- BellSouth Aggregate

### Data Retained

- Report Period
- Notice Date
- Release Date

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Region	• ≤ 5 Days

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

### SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## CM-3: Timeliness of Documents Associated with Change

### Definition

Measures whether CLECs received requirements or business rule documentation on time to prepare for BellSouth interface/system changes so CLEC interfaces are not impaired by change as set forth in the Change Control Process governed by the CLEC/BellSouth Review Board.

### Exclusions

- Documentation for release dates that slip less than 30 days for a change mandated by regulatory or legal entities (Federal Communications Commission [FCC], a state commission/authority, or state and federal courts) or CLEC request.
- Type 6 Change Requests (Defects/Expedites), as defined by the Change Control Process.

### Business Rules

This metric is designed to measure the percent of requirements or business rule documentation sent to the CLECs according to documentation standards and time frames set forth in the Change Control Process. The CCP is used by BellSouth and the CLECs to manage requested changes to the BellSouth Local Interfaces.

The clock starts on the business rule documentation release date. The clock stops on the software release date. When project events occur (scope changes, analysis information, etc.), the software release date may change. Revisions to documentation could be required and the clock would restart.

### Calculation

**Timeliness of Documents Associated with Change** =  $(a \div b) \times 100$

- a = Change Management Documentation Sent Within Required Time frames after Notices
- b = Total Number of Change Management Documentation Sent

### Report Structure

- BellSouth Aggregate

### Data Retained

- Report Period
- Notice Date
- Release Date

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Region	• 98% on Time

### SEEM Measure

SEEM Measure		
Yes	Tier I	
	Tier II	X

### SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Region	• 98% on Time

## CM-4: Change Management Documentation Average Delay Days

### Definition

Measures the average delay days for requirements or business rule documentation sent outside the time frames set forth in the Change Control Process.

### Exclusions

- Documentation for release dates that slip less than 30 days for reasons outside BellSouth control, such as changes due to Regulatory mandate or CLEC request.
- Type 6 Change Requests (Defects/Expedites), as defined by the Change Control Process.

### Business Rules

This metric is designed to measure the percent of requirements or business rule documentation sent to the CLECs according to documentation standards and time frames set forth in the Change Control Process. The CCP is used by BellSouth and the CLECs to manage requested changes to the BellSouth Local Interfaces.

The clock starts on the business rule documentation release date. The clock stops on the software release date. When project events occur (scope changes, analysis information, etc.), the software release date may change. Revisions to documentation could be required and the clock would restart.

### Calculation

**Change Management Documentation Delay Days** = (a - b)

- a = Date Documentation Provided
- b = Date Documentation Due

**Change Management Documentation Average Delay Days** = (c ÷ d)

- c = Sum of all CM Documentation Delay Days
- d = Total Change Management Documents Sent

### Report Structure

- BellSouth Aggregate

### Data Retained

- Report Period
- Notice Date
- Release Date

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Region	• ≤ 5 Days

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## CM-5: Notification of CLEC Interface Outages

### Definition

Measures the time it takes BellSouth to notify the CLEC of an outage of an interface.

### Exclusions

None

### Business Rules

This measure is designed to notify the CLEC of interface outages within 15 minutes of BellSouth's verification that an outage has taken place. This metric will be expressed as a percentage.

### Calculation

**Notification of CLEC Interface Outages** =  $(a \div b) \times 100$

- a = Number of Interface Outages where CLECS are notified within 15 minutes
- b = Total Number of Interface Outages

### Report Structure

- CLEC Aggregate

### Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
<ul style="list-style-type: none"> <li>• Number of Interface Outages</li> <li>• Number of Notifications <math>\leq</math> 15 minutes</li> </ul>	<ul style="list-style-type: none"> <li>• Not Applicable</li> </ul>

### SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
<ul style="list-style-type: none"> <li>• By interface type for all interfaces accessed by CLECs</li> </ul>	<ul style="list-style-type: none"> <li>• 97% <math>\leq</math> 15 Minutes</li> </ul>

Interface	Applicable to
EDI	CLEC
CSOTS	CLEC
LENS	CLEC
TAG	CLEC
ECTA	CLEC
TAFI	CLEC/BellSouth

### SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	

**SEEM Disaggregation - Analog/Benchmark**

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

## Appendix A: Reporting Scope

### A-1: Standard Service Groupings

See individual reports in the body of the SQM.

### A-2: Standard Service Order Activities

These are the generic BellSouth/CLEC service order activities which are included in the Pre-Ordering, Ordering, and Provisioning sections of this document. It is not meant to indicate specific reporting categories.

#### Service Order Activity Types

- Service Migrations Without Changes
- Service Migrations With Changes
- Move and Change Activities
- Service Disconnects (Unless noted otherwise)
- New Service Installations

#### Pre-Ordering Query Types

- Address
- Telephone Number
- Appointment Scheduling
- Customer Service Record
- Feature Availability
- Service Inquiry

#### Maintenance Query Types

TAFI - TAFI queries the systems below

- CRIS
- March
- Predictor
- LMOS
  - DLR
  - DLETH
  - LMOSupd
- LNP
- NIW
- OSPCM
- SOCS

#### Report Levels

- CLEC RESH
- CLEC State
- CLEC Region
- Aggregate CLEC State

- Aggregate CLEC Region
- BellSouth State
- BellSouth Region

## Appendix B: Glossary of Acronyms and Terms

### Symbols used in calculations

- $\Sigma$  A mathematical symbol representing the sum of a series of values following the symbol.
- A mathematical operator representing subtraction.
- +
- ÷ A mathematical operator representing division.
- < A mathematical symbol that indicates the metric on the left of the symbol is less than the metric on the right.
- $\leq$  A mathematical symbol that indicates the metric on the left of the symbol is less than or equal to the metric on the right.
- > A mathematical symbol that indicates the metric on the left of the symbol is greater than the metric on the right.
- $\geq$  A mathematical symbol that indicates the metric on the left of the symbol is greater than or equal to the metric on the right.
- ( ) Parentheses, used to group mathematical operations which are completed before operations outside the parentheses.

### A

**ACD:** Automatic Call Distributor - A service that provides status monitoring of agents in a call center and routes high volume incoming telephone calls to available agents while collecting management information on both callers and attendants.

**Aggregate:** Sum total of all items in like category, e.g. CLEC aggregate equals the sum total of all CLECs' data for a given reporting level.

**ALEC:** Alternative Local Exchange Company = FL CLEC

**ADSL:** Asymmetrical Digital Subscriber Line

**ASR:** Access Service Request - A request for access service terminating delivery of carrier traffic into a Local Exchange Carrier's network.

**ATLAS:** Application for Telephone Number Load Administration System - The BellSouth Operations System used to administer the pool of available telephone numbers and to reserve selected numbers from the pool for use on pending service requests/service orders.

**ATLASTN:** ATLAS software contract for Telephone Number.

**Auto Clarification:** The number of LSRs that were electronically rejected from LESOG and electronically returned to the CLEC for correction.

### B

**BFR:** Bona Fied Request

**BILLING:** The process and functions by which billing data is collected and by which account information is processed in order to render accurate and timely billing.

**BOCRIS:** Business Office Customer Record Information System (Front-end to the CRIS database.)

**BRI:** Basic Rate ISDN

**BRC:** Business Repair Center – The BellSouth Business Systems trouble receipt center which serves large business and CLEC customers.

**BellSouth :** BellSouth Telecommunications, Inc.

## **C**

**CABS:** Carrier Access Billing System

**CCC:** Coordinated Customer Conversions

**CCP:** Change Control Process

**Centrex:** A business telephone service, offered by local exchange carriers, which is similar to a Private Branch Exchange (PBX) but the switching equipment is located in the telephone company Central Office (CO).

**CKTID:** A unique identifier for elements combined in a service configuration

**CLEC:** Competitive Local Exchange Carrier

**CLP:** Competitive Local Provider = NC CLEC

**CM:** Change Management

**CMDS:** Centralized Message Distribution System - Telcordia administered national system used to transfer specially formatted messages among companies.

**COFFI:** Central Office Feature File Interface - Provides information about USOCs and class of service. COFFI is a part of DOE/SONGS. It indicates all services available to a customer.

**CRIS:** Customer Record Information System - This system is used to retain customer information and render bills for telecommunications service.

**CRSACCTS:** CRIS software contract for CSR information

**CRSG:** Complex Resale Support Group

**C-SOTS:** CLEC Service Order Tracking System

**CSR:** Customer Service Record

**CTTG:** Common Transport Trunk Group - Final trunk groups between BellSouth & Independent end offices and the BellSouth access tandems.

## **D**

**DA:** Directory Assistance

**DESIGN:** Design Service is defined as any Special or Plain Old Telephone Service Order which requires BellSouth Design Engineering Activities.

**DISPOSITION & CAUSE:** Types of trouble conditions, e.g. No Trouble Found, Central Office Equipment, Customer Premises Equipment, etc.

**DLETH:** Display Lengthy Trouble History - A history report that gives all activity on a line record for trouble reports in LMOS.

**DLR:** Detail Line Record - A report that gives detailed line record information on records maintained in LMOS

**DS-0:** The worldwide standard speed for one digital voice signal (64000 bps).

**DS-1:** 24 DS-0s (1.544Mb/sec., i.e. carrier systems)

**DOE:** Direct Order Entry System - An internal BellSouth service order entry system used by BellSouth Service Representatives to input business service orders in BellSouth format.

**DSAP:** DOE (Direct Order Entry) Support Application - The BellSouth Operations System which assists a Service Representative or similar carrier agent in negotiating service provisioning commitments for non-designed services and Unbundled Network Elements.

**DSAPDDI:** DSAP software contract for schedule information.

**DSL:** Digital Subscriber Line

**DUI:** Database Update Information

## **E**

**E911:** Provides callers access to the applicable emergency services bureau by dialing a 3-digit universal telephone number.

**EDI:** Electronic Data Interchange - The computer-to-computer exchange of inter and/or intra-company business documents in a public standard format.

**ESSX:** BellSouth Centrex Service

## **F G**

**Fatal Reject:** The number of LSRs that were electronically rejected from LEO, which checks to see if the LSR has all the required fields correctly populated.

**Flow-Through:** In the context of this document, LSRs submitted electronically via the CLEC mechanized ordering process that flow through to the BellSouth OSS without manual or human intervention.

**FOC:** Firm Order Confirmation - A notification returned to the CLEC confirming that the LSR has been received and accepted, including the specified commitment date.

**FX:** Foreign Exchange

## **H**

**HAL:** "Hands Off" Assignment Logic - Front end access and error resolution logic used in interfacing BellSouth Operations Systems such as ATLAS, BOCRIS, LMOS, PSIMS, RSAG and SOCS.

**HALCRIS:** HAL software contract for CSR information

**HDSL:** High Density Subscriber Loop/Line

**I J K**

**ILEC:** Incumbent Local Exchange Company

**INP:** Interim Number Portability

**ISDN:** Integrated Services Digital Network

**IPC:** Interconnection Purchasing Center

**L**

**LAN:** Local Area Network

**LAUTO:** The automatic processor in the LNP Gateway that validates LSRs and issues service orders.

**LCSC:** Local Carrier Service Center - The BellSouth center which is dedicated to handling CLEC LSRs, ASRs, and Pre-ordering transactions along with associated expedite requests and escalations.

**Legacy System:** Term used to refer to BellSouth Operations Support Systems (see OSS)

**LENS:** Local Exchange Negotiation System - The BellSouth LAN/web server/OS application developed to provide both preordering and ordering electronic interface functions for CLECs.

**LEO:** Local Exchange Ordering - A BellSouth system which accepts the output of EDI, applies edit and formatting checks, and reformats the Local Service Requests in BellSouth Service Order format.

**LERG:** Local Exchange Routing Guide

**LESOG:** Local Exchange Service Order Generator - A BellSouth system which accepts the service order output of LEO and enters the Service Order into the Service Order Control System using terminal emulation technology.

**LFACS:** Loop Facilities Assessment and Control System

**LIDB:** Line Information Database

**LMOS:** Loop Maintenance Operations System - A system that provides a mechanized means of maintaining customer line records and for entering, processing, and tracking trouble reports.

**LMOS HOST:** LMOS host computer

**LMOSupd:** LMOS update allows trouble tickets on line records to be entered into LMOS.

**LMU:** Loop Make-up

**LMUS:** Loop Make-up Service Inquiry

**LNP:** Local Number Portability - In the context of this document, the capability for a subscriber to retain his current telephone number as he transfers to a different local service provider.

**LNP Gateway:** Local Number Portability (gateway)- A system that provides both internal and external communications with various interfaces and process including:

- (1). Linking BellSouth to the Number Portability Administration Center (NPAC).
- (2). Allowing for inter-company communications between BellSouth and the CLECs for electronic ordering.
- (3). Providing interface between NPAC and AIN SMS for LNP routing processes.

**LOOPS :** Transmission paths from the central office to the customer premises.

**LRN:** Location Routing Number

**LSR:** Local Service Request – A request for local resale service or unbundled network elements from a CLEC.

## **M**

**Maintenance & Repair:** The process and function by which trouble reports are passed to BellSouth and by which the related service problems are resolved.

**MARCH:** A memory administration system that translates line-related service order data into switch provisioning messages and automatically transmits the messages to targeted stored program control system switches.

## **N**

**NBR:** New Business Request

**NC:** “No Circuits” - All circuits busy announcement.

**NIW:** Network Information Warehouse - A system that stores central office blockage data for use in processing trouble reports.

**NMLI:** Native Mode LAN Interconnection

**NPA:** Numbering Plan Area

**NXX:** The “exchange” portion of a telephone number.

## **O**

**OASIS:** Obtain Availability Services Information System - A BellSouth front-end processor, which acts as an interface between COFFI and RNS. This system takes the USOCs in COFFI and translates them to English for display in RNS.

**OASISBSN:** OASIS software contract for feature/service

**OASISCAR:** OASIS software contract for feature/service

**OASISLPC:** OASIS software contract for feature/service

**OASISMTN:** OASIS software contract for feature/service

**OASISNET:** OASIS software contract for feature/service

**OASISOCP:** OASIS software contract for feature/service

**ORDERING:** The process and functions by which resale services or unbundled network elements are ordered from BellSouth as well as the process by which an LSR or ASR is placed with BellSouth.

**Order Types:** The following order types are used in this document:

- (1). T - The “to” portion of a change of address. This Order Type is used to connect main service at a new address when a customer moves from one address to another in any of the nine states within the BellSouth region. A “T” Order Type is always paired with an “F” Order Type which will have the same telephone number following the “F” Order Type Code unless the orders are within different states.
- (2). N - Orders establishing a new account. Also, this Order Type Code is occasionally used when changing from one type of system to another such as when changing from PBX to Centrex.

- (3). C - Order Type used for the following conditions: changes or partial connections or disconnections of service or equipment; change of telephone number, grade or class of main line, additional lines, auxiliary lines, PBX trunks and stations; addition of trunks or lines to existing accounts; move of equipment (other than change of address); temporary suspension and restoration of service at customer's request.
- (4). R - Order Type used for the following conditions: additions, removals or changes in directory listings; responsibility change orders, addition, removal or changes in directory and billing information; other record corrections where no "field work" is involved.

**OSPCM:** Outside Plant Contract Management System - A system that provides scheduling and completion information on outside plant construction activities.

**OSS:** Operations Support System - A support system or database which is used to mechanize the flow or performance of work. The term is used to refer to the overall system consisting of hardware complex, computer operating system(s), and application which is used to provide the support functions.

**OUT OF SERVICE:** Customer has no dial tone and cannot call out.

## **P Q**

**PMAP:** Performance Measurement Analysis Platform

**PON:** Purchase Order Number

**POTS:** Plain Old Telephone Service

**PREDICTOR:** A system which is used to administer proactive maintenance and rehabilitation activities on outside plant facilities, provide access to selected work groups to Mechanized Loop Testing and switching system I/O ports.

**Preordering:** The process and functions by which vital information is obtained, verified, or validated prior to placing a service request.

**PRI:** Primary Rate ISDN

**Provisioning:** The process and functions by which necessary work is performed to activate a service requested via an LSR or ASR and to initiate the proper billing and accounting functions.

**PSIMS:** Product/Service Inventory Management System - A BellSouth database Operations System which contains availability information on switching system features and capabilities and on BellSouth service availability. This database is used to verify the availability of a feature or service in an NXX prior to making a commitment to the customer.

**PSIMSORB:** PSIMS software contract for feature/service.

## **R**

**RNS:** Regional Negotiation System - An internal BellSouth service order entry system used by BellSouth Consumer Services to input service orders in BellSouth format.

**ROS:** Regional Ordering System

**RRC:** Residence Repair Center - The BellSouth Consumer Services trouble receipt center which serves residential customers.

**RSAG:** Regional Street Address Guide - The BellSouth database, which contains street addresses validated to be accurate with state and local governments.

**RSAGADDR:** RSAG software contract for address search.

**RSAGTN:** RSAG software contract for telephone number search.

## **S**

**SAC:** Service Advocacy Center

**SEEM:** Self Effectuating Enforcement Mechanism

**SOCS:** Service Order Control System - A system which routes service order images among BellSouth drop points and BellSouth OSS during the service provisioning process.

**SOIR:** Service Order Interface Record - any change effecting activity to a customer account by service order that impacts 911/E911

**SONGS:** Service Order Negotiation and Generation System.

**Syntactically Incorrect Query:** A query that cannot be fulfilled due to insufficient or incorrect input data from the end user. For example, A CLEC would like to query the legacy system for the following address: 1234 Main ST. Entering “1234 Main ST” will be considered syntactically correct because valid characters were used in the address field. However, entering “AB34 Main ST” will be considered syntactically incorrect because invalid characters (i.e., alpha characters were entered in numeric slots) were used in the address field.

## **T**

**TAFI:** Trouble Analysis Facilitation Interface - The BellSouth Operations System that supports trouble receipt center personnel in taking and handling customer trouble reports.

**TAG:** Telecommunications Access Gateway – TAG was designed to provide an electronic interface, or machine-to-machine interface for the bi-directional flow of information between BellSouth’s OSSs and participating CLECs.

**TN:** Telephone Number

**Total Manual Fallout:** The number of LSRs which are entered electronically but require manual entering into a service order generator.

## **U V**

**UNE:** Unbundled Network Element

**UCL:** Unbundled Copper Link

**USOC:** Universal Service Order Code

## **W X Y Z**

**WATS:** Wide Area Telephone Service

**WFA:** Work Force Administration

**WMC:** Work Management Center

**WTN:** Working Telephone Number.

## Appendix C: BellSouth Audit Policy

### C-1: BellSouth's Internal Audit Policy

BellSouth's internal efforts to make certain that the reports produced by the PMAP platform are of the highest accuracy has been formalized into a Performance Measurements Quality Assurance Plan (PMQAP) that documents and augments existing quality assurance processes integral to the production and validation of Performance Measurements data.

The plan consists of three sections:

1. Change Control addresses the quality assurance steps involved in the introduction of new measurements and changes to existing measurements.
2. Production addresses the quality assurance steps used to create monthly SQM reports.
3. Monthly Validation addresses the quality assurance steps used to ensure accurate posting of monthly results.

The BellSouth PMQAP will ensure that BellSouth effectively and consistently provides accurate performance measurements data for the activities included in the SQM. The BellSouth Internal Audit department will audit this plan and its quality assurance steps annually, beginning in 4Q01.

### C-2: BellSouth's External Audit Policy

BellSouth currently provides many CLECs with audit rights as a part of their individual interconnection agreements. BellSouth has developed a proposed Audit Plan for use by the parties to an audit. If requested by a Public Service Commission or by a CLEC exercising contractual audit rights, BellSouth will agree to undergo a comprehensive audit of the current year aggregate level reports for both BellSouth and the CLECs for each of the next five (5) years (2001 - 2005), to be conducted by an independent third party auditor jointly selected by BellSouth and the CLEC. The results of audits will be made available to all the parties subject to proper safeguards to protect proprietary information. Requested audits include the following specifications:

1. The cost shall be borne by BellSouth.
2. The independent third party auditor shall be selected with input from BellSouth, the PSC, if applicable, and the CLEC(s).
3. BellSouth, the PSC and the CLECs shall jointly determine the scope of the audit.

These comprehensive audits are intended to provide the basis for the PSCs and CLECs to determine that the SQM and PMAP produce accurate data that reflects each States Order for performance measurements. Once this has been verified by an initial audit, the BellSouth PMQAP will provide the basis for future audits.

## Attachment 10

### BellSouth Disaster Recovery Plan

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## **1.0 PURPOSE**

In the unlikely event of a disaster occurring that affects BellSouth's long-term ability to deliver traffic to a Competitive Local Exchange Carrier (CLEC), general procedures have been developed to hasten the recovery process. Since each location is different and could be affected by an assortment of potential problems, a detailed recovery plan is impractical. However, in the process of reviewing recovery activities for specific locations, some basic procedures emerge that appear to be common in most cases.

These general procedures should apply to any disaster that affects the delivery of traffic for an extended time period. Each CLEC will be given the same consideration during an outage, and service will be restored as quickly as possible.

This document will cover the basic recovery procedures that would apply to every CLEC.

## **2.0 SINGLE POINT OF CONTACT**

When a problem is experienced, regardless of the severity, the BellSouth Network Management Center (NMC) will observe traffic anomalies and begin monitoring the situation. Controls will be appropriately applied to insure the sanity of BellSouth's network; and, in the event that a switch or facility node is lost, the NMC will attempt to circumvent the failure using available reroutes.

BellSouth's NMC will remain in control of the restoration efforts until the problem has been identified as being a long-term outage. At that time, the NMC will contact BellSouth's Emergency Control Center (ECC) and relinquish control of the recovery efforts. Even though the ECC may take charge of the situation, the NMC will continue to monitor the circumstances and restore traffic as soon as damaged network elements are revitalized.

**The telephone number for the BellSouth Network Management Center in Atlanta, as published in Telcordia's National Network Management Directory, is 404-321-2516.**

## **3.0 IDENTIFYING THE PROBLEM**

During the early stages of problem detection, the NMC will be able to tell which CLECs are affected by the catastrophe. Further analysis and/or first hand observation will determine if the disaster has affected CLEC equipment only, BellSouth equipment only or a combination. The initial restoration activity will be largely determined by the equipment that is affected.

Once the nature of the disaster is determined and after verifying the cause of the problem, the NMC will initiate reroutes and/or transfers that are jointly agreed upon by the affected CLECs' Network Management Center and the BellSouth NMC. The type and percentage of controls used will depend upon available network capacity. Controls necessary to stabilize the situation will be invoked and the NMC will attempt to re-establish as much traffic as possible.

For long-term outages, recovery efforts will be coordinated by the Emergency Control Center (ECC). Traffic controls will continue to be applied by the NMC until facilities are re-established. As equipment is made available for service, the ECC will instruct the NMC to begin removing the controls and allow traffic to resume.

### 3.1 SITE CONTROL

In the total loss of building use scenario, what likely exists will be a smoking pile of rubble. This rubble will contain many components that could be dangerous. It could also contain any personnel on the premises at the time of the disaster. For these reasons, the local fire marshal with the assistance of the police will control the site until the building is no longer a threat to surrounding properties and the companies have secured the site from the general public.

During this time, the majority owner of the building should be arranging for a demolition contractor to mobilize to the site with the primary objective of reaching the cable entrance facility for a damage assessment. The results of this assessment would then dictate immediate plans for restoration, both short term and permanent.

In a less catastrophic event, i.e., the building is still standing and the cable entrance facility is usable, the situation is more complex. The site will initially be controlled by local authorities until the threat to adjacent property has diminished. Once the site is returned to the control of the companies, the following events should occur.

An initial assessment of the main building infrastructure systems (mechanical, electrical, fire and life safety, elevators, and others) will establish building needs. Once these needs are determined, the majority owner should lead the building restoration efforts. There may be situations where the site will not be totally restored within the confines of the building. The companies must individually determine their needs and jointly assess the cost of permanent restoration to determine the overall plan of action.

Multiple restoration trailers from each company will result in the need for designated space and installation order. This layout and control is required to maximize the amount of restoration equipment that can be placed at the site, and the priority of placements.

Care must be taken in this planning to ensure other restoration efforts have logistical access to the building. Major components of telephone and building equipment will need to be removed and replaced. A priority for this equipment must also be jointly established to facilitate overall site restoration. (Example: If the AC switchgear has sustained damage, this would be of the highest priority in order to regain power, lighting, and HVAC throughout the building.)

If the site will not accommodate the required restoration equipment, the companies would then need to quickly arrange with local authorities for street closures, rights of way or other possible options available.

### **3.2 ENVIRONMENTAL CONCERNS**

In the worse case scenario, many environmental concerns must be addressed. Along with the police and fire marshal, the state environmental protection department will be on site to monitor the situation.

Items to be concerned with in a large central office building could include:

1. Emergency engine fuel supply. Damage to the standby equipment and the fuel handling equipment could have created "spill" conditions that have to be handled within state and federal regulations.
2. Asbestos-containing materials that may be spread throughout the wreckage. Asbestos could be in many components of building, electrical, mechanical, outside plant distribution, and telephone systems.
3. Lead and acid. These materials could be present in potentially large quantities depending upon the extent of damage to the power room.
4. Mercury and other regulated compounds resident in telephone equipment.
5. Other compounds produced by the fire or heat.

Once a total loss event occurs at a large site, local authorities will control immediate clean up (water placed on the wreckage by the fire department) and site access.

At some point, the companies will become involved with local authorities in the overall planning associated with site clean up and restoration. Depending on the clean up approach taken, delays in the restoration of several hours to several days may occur.

In a less severe disaster, items listed above are more defined and can be addressed individually depending on the damage.

In each case, the majority owner should coordinate building and environmental restoration as well as maintain proper planning and site control.

### **4.0 THE EMERGENCY CONTROL CENTER (ECC)**

The ECC is located in the Colonnade Building in Birmingham, Alabama. During an emergency, the ECC staff will convene a group of pre-selected experts to inventory the damage and initiate corrective actions. These experts have regional access to BellSouth's personnel and equipment and will assume control of the restoration activity anywhere in the nine-state area.

In the past, the ECC has been involved with restoration activities resulting from hurricanes, ice storms and floods. They have demonstrated their capabilities during these calamities as well as

during outages caused by human error or equipment failures. This group has an excellent record of restoring service as quickly as possible.

During a major disaster, the ECC may move emergency equipment to the affected location, direct recovery efforts of local personnel and coordinate service restoration activities with the CLECs. The ECC will attempt to restore service as quickly as possible using whatever means is available, leaving permanent solutions, such as the replacement of damaged buildings or equipment, for local personnel to administer.

Part of the ECC's responsibility, after temporary equipment is in place, is to support the NMC efforts to return service to the CLECs. Once service has been restored, the ECC will return control of the network to normal operational organizations. Any long-term changes required after service is restored will be made in an orderly fashion and will be conducted as normal activity.

## **5.0 RECOVERY PROCEDURES**

The nature and severity of any disaster will influence the recovery procedures. One crucial factor in determining how BellSouth will proceed with restoration is whether or not BellSouth's equipment is incapacitated. Regardless of whose equipment is out of service, BellSouth will move as quickly as possible to aid with service recovery; however, the approach that will be taken may differ depending upon the location of the problem.

### **5.1 CLEC OUTAGE**

For a problem limited to one CLEC (or a building with multiple CLECs), BellSouth has several options available for restoring service quickly. For those CLECs that have agreements with other CLECs, BellSouth can immediately start directing traffic to a provisional CLEC for completion. This alternative is dependent upon BellSouth having concurrence from the affected CLECs.

Whether or not the affected CLECs have requested a traffic transfer to another CLEC will not impact BellSouth's resolve to re-establish traffic to the original destination as quickly as possible.

### **5.2 BELL SOUTH OUTAGE**

Because BellSouth's equipment has varying degrees of impact on the service provided to the CLECs, restoring service from damaged BellSouth equipment is different. The outage will probably impact a number of Carriers simultaneously. However, the ECC will be able to initiate immediate actions to correct the problem.

A disaster involving any of BellSouth's equipment locations could impact the CLECs, some more than others. A disaster at a Central Office (CO) would only impact the delivery of traffic to and from that one location, but the incident could affect many Carriers. If the Central Office is a Serving Wire Center (SWC), then traffic from the entire area to those Carriers served from that switch would also be impacted. If the switch functions as an Access Tandem, or there is a tandem in the building, traffic from every CO to every CLEC could be interrupted. A disaster that destroys a facility hub could disrupt various traffic flows, even though the switching equipment may be unaffected.

The NMC would be the first group to observe a problem involving BellSouth's equipment. Shortly after a disaster, the NMC will begin applying controls and finding re-routes for the

completion of as much traffic as possible. These reroutes may involve delivering traffic to alternate Carriers upon receiving approval from the CLECs involved. In some cases, changes in translations will be required. If the outage is caused by the destruction of equipment, then the ECC will assume control of the restoration.

### **5.2.1 Loss of a Central Office**

When BellSouth loses a Central Office, the ECC will

- a) Place specialists and emergency equipment on notice;
- b) Inventory the damage to determine what equipment and/or functions are lost;
- c) Move containerized emergency equipment and facility equipment to the stricken area, if necessary;
- d) Begin reconnecting service for Hospitals, Police and other emergency agencies; and
- e) Begin restoring service to CLECs and other customers.

### **5.2.2 Loss of a Central Office with Serving Wire Center Functions**

The loss of a Central Office that also serves as a Serving Wire Center (SWC) will be restored as described in Section 5.2.1.

### **5.2.3 Loss of a Central Office with Tandem Functions**

When BellSouth loses a Central Office building that serves as an Access Tandem and as a SWC, the ECC will

- a) Place specialists and emergency equipment on notice;
- b) Inventory the damage to determine what equipment and/or functions are lost;
- c) Move containerized emergency equipment and facility equipment to the stricken area, if necessary;
- d) Begin reconnecting service for Hospitals, Police and other emergency agencies;
- e) Re-direct as much traffic as possible to the alternate access tandem (if available) for delivery to those CLECs utilizing a different location as a SWC;
- f) Begin aggregating traffic to a location near the damaged building. From this location, begin re-establishing trunk groups to the CLECs for the delivery of traffic normally found on the direct trunk groups. (This aggregation point may be the alternate access tandem location or another CO on a primary facility route.)
- g) Begin restoring service to CLECs and other customers.

### **5.2.4 Loss of a Facility Hub**

In the event that BellSouth loses a facility hub, the recovery process is much the same as above. Once the NMC has observed the problem and administered the appropriate controls, the ECC will assume authority for the repairs. The recovery effort will include

- a) Placing specialists and emergency equipment on notice;
- b) Inventorying the damage to determine what equipment and/or functions are lost;
- c) Moving containerized emergency equipment to the stricken area, if necessary;
- d) Reconnecting service for Hospitals, Police and other emergency agencies; and
- e) Restoring service to CLECs and other customers. If necessary, BellSouth will aggregate the traffic at another location and build temporary facilities. This alternative would be viable for a location that is destroyed and building repairs are required.

### **5.3 COMBINED OUTAGE (CLEC AND BELL SOUTH EQUIPMENT)**

In some instances, a disaster may impact BellSouth's equipment as well as the CLECs'. This situation will be handled in much the same way as described in Section 5.2.3. Since BellSouth and the CLECs will be utilizing temporary equipment, close coordination will be required.

### **6.0 T1 IDENTIFICATION PROCEDURES**

During the restoration of service after a disaster, BellSouth may be forced to aggregate traffic for delivery to a CLEC. During this process, T1 traffic may be consolidated onto DS3s and may become unidentifiable to the Carrier. Because resources will be limited, BellSouth may be forced to "package" this traffic entirely differently than normally received by the CLECs. Therefore, a method for identifying the T1 traffic on the DS3s and providing the information to the Carriers is required.

## **7.0 ACRONYMS**

CO	-	Central Office (BellSouth)
DS3	-	Facility that carries 28 T1s (672 circuits)
ECC	-	Emergency Control Center (BellSouth)
CLEC	-	Competitive Local Exchange Carrier
NMC	-	Network Management Center
SWC	-	Serving Wire Center (BellSouth switch)
T1	-	Facility that carries 24 circuits

### **Hurricane Information**

During a hurricane, BellSouth will make every effort to keep CLECs updated on the status of our network. Information centers will be set up throughout BellSouth Telecommunications. These centers are not intended to be used for escalations, but rather to keep the CLEC informed of network related issues, area damages and dispatch conditions, etc.

Hurricane-related information can also be found on line at [http://www.interconnection.bellsouth.com/network/disaster/dis\\_resp.htm](http://www.interconnection.bellsouth.com/network/disaster/dis_resp.htm). Information concerning Mechanized Disaster Reports can also be found at this website by clicking on CURRENT MDR REPORTS or by going directly to <http://www.interconnection.bellsouth.com/network/disaster/mdrs.htm>.

### **BST Disaster Management Plan**

BellSouth maintenance centers have geographical and redundant communication capabilities. In the event of a disaster removing any maintenance center from service another geographical center would assume maintenance responsibilities. The contact numbers will not change and the transfer will be transparent to the CLEC.

## **Attachment 11**

### **Bona Fide Request and New Business Requests Process**

**BONA FIDE REQUEST AND NEW BUSINESS REQUESTS PROCESS**

- 1.0 The Parties agree that Tel West is entitled to order any Network Element, Interconnection option, service option or Resale Service required to be made available by the Communications Act of 1934, as modified by the Telecommunications Act of 1996 (the “Act”), FCC requirements or State Commission requirements. Tel West also shall be permitted to request the development of new or revised facilities or service options which are not required by the Act. Procedures applicable to requesting the addition of such facilities or service options are specified in this Attachment 11.
- 2.0 Bona Fide Requests (“BFR”) are to be used when Tel West makes a request of BellSouth to provide a new or modified network element, interconnection option, or other service option pursuant to the Act that was not previously included in the Agreement. New Business Requests (“NBRs”) are to be used when Tel West makes a request of BellSouth to provide a new or custom capability or function to meet Tel West’s business needs that was not previously included in the Agreement.
- 3.0 A BFR or a NBR shall be submitted in writing by Tel West and shall specifically identify the required service date, technical requirements, space requirements and/or such specifications that clearly define the request such that BellSouth has sufficient information to analyze and prepare a response. Such a request also shall include a Tel West’s designation of the request as being (i) pursuant to the Telecommunications Act of 1996 (i.e. a “BFR”) or (ii) pursuant to the needs of the business (i.e. a “NBR”). The request shall be sent to Tel West’s Local Contract Manager.
- 4.0 Within thirty (30) business days of its receipt of a BFR or NBR from Tel West, BellSouth shall respond to Tel West by providing a preliminary analysis of such Interconnection, Network Element, or other facility or service option that is the subject of the BFR or NBR. The preliminary analysis shall confirm that BellSouth will either offer access to the Interconnection, Network Element, or other facility or service option, or provide an explanation of why it is not technically feasible and/or why the request does not qualify as an Interconnection or Network Element or is otherwise not required to be provided under the Act. However, if the preliminary analysis is determined to be of such complexity that it causes BellSouth to expend inordinate resources, a fee will be levied upon Tel West and collected prior to the beginning of the preliminary analysis and the thirty (30) business days will begin upon receipt of the fee. In addition to the preliminary analysis, an explanation of the fee will be provided.
- 5.0 Tel West may cancel a BFR or NBR at any time. If Tel West cancels the request more than three (3) business days after submitting it, Tel West shall pay BellSouth’s reasonable and demonstrable costs of processing

and/or implementing the BFR or NBR up to the date of cancellation. If Tel West does not cancel a BFR or NBR, Tel West shall pay BellSouth's reasonable and demonstrable costs of processing and implementing the request.

- 6.0 BellSouth shall propose a firm price quote and a detailed implementation plan for BFRs within thirty (30) business days of Tel West's acceptance of the preliminary analysis. BellSouth shall propose a firm price and a detailed implementation plan for NBRs within sixty (60) business days of Tel West's acceptance of the preliminary analysis.
- 7.0 If Tel West accepts the preliminary analysis, BellSouth shall proceed with Tel West's BFR or NBR, and Tel West agrees to pay the non-refundable amount identified in the preliminary analysis for the initial work required to develop the project plan, create the design parameters, and establish all activities and resources required to complete the BFR or NBR. These costs will be referred to as "development" costs. The development costs identified in the preliminary analysis are fixed. If Tel West cancels a BFR or NBR after BellSouth has received Tel West's acceptance of the preliminary analysis, Tel West agrees to pay BellSouth the reasonable, demonstrable, and actual costs, if any, directly related to complying with Tel West's BFR or NBR up to the date of cancellation, to the extent such costs were not included in the non-refundable amount set forth above.
- 8.0 If Tel West believes that BellSouth's firm price quote is not consistent with the requirements of the Act, Tel West may seek FCC or state Commission arbitration of its request, as appropriate. Any such arbitration applicable to Network Elements and/or Interconnection shall be conducted in accordance with standards prescribed in Section 252 of the Act.
- 9.0 Unless Tel West agrees otherwise, all prices shall be consistent with the pricing principles of the Act, FCC and/or the State Commission.
- 10.0 If either Party to a BFR or NBR believes that the other Party is not requesting, negotiating, or processing the Bona Fide Request in good faith, or disputes a determination, or price or cost quote, such Party may seek FCC or state Commission resolution of the dispute, as appropriate.
- 11.0 Upon agreement to the terms of a BFR or NBR, an amendment to the Agreement may be required.