

BellSouth  
 Service Quality Measurements  
 Louisiana Performance Reports

**PROVISIONING – (Average Completion Notice Interval- Continued)**

Data Retained Relating to CLEC Experience	Data Retained Relating to BST Experience
Report Month <ul style="list-style-type: none"> <li>• CLEC Order Number</li> <li>• Work Completion Date</li> <li>• Work Completion Time</li> <li>• Completion Notice Availability Date</li> <li>• Completion Notice Availability Time</li> <li>• Service Type</li> <li>• Activity 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>• BST Analog expected release 8/15/99 reports</li> </ul>
<b>Retail Analog/Benchmark:</b>	
Under Development at this time 8/15/99	

Revision date: 06/24/99 (taf)

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**PROVISIONING**

<b>Report/Measurement:</b>	
Coordinated Customer Conversions	
<b>Definition:</b>	
This category measures the average time it takes BST to disconnect an unbundled loop from the BST switch and cross connect it to a CLEC's equipment. This measurement applies to service orders with and without INP, and where the CLEC has requested BST to provide a coordinated cutover.	
<b>Exclusions:</b>	
<ul style="list-style-type: none"> <li>• Any order canceled by the CLEC will be excluded from this measurement.</li> <li>• Delays due to CLEC following disconnection of the unbundled loop</li> <li>• Unbundled Loops where there is no existing subscriber loop</li> </ul>	
<b>Business Rules:</b>	
Where the service order includes INP, the interval includes the total time for the cutover including the translation time to place the line 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.	
<b>Calculation:</b>	
$\uparrow$ [(Completion Date and Time for Cross Connection of an Unbundled Loop)- (Disconnection Date and Time of an Unbundled Loop)] / Total Number of Unbundled Loop Items for the reporting period.	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• CLEC Aggregate</li> <li>• BST Aggregate</li> </ul>	
<b>Level of Disaggregation:</b>	
<ul style="list-style-type: none"> <li>• Reported in intervals &lt;=5 minutes; &gt;5,&lt;15 minutes; &gt;15 minutes, plus Overall Average interval</li> <li>• Product Reporting Levels <ul style="list-style-type: none"> <li>&gt; UNE Loops without INP</li> <li>&gt; UNE Loops with INP</li> </ul> </li> <li>• Geographic Scope <ul style="list-style-type: none"> <li>&gt; State, Region, and further geographic disaggregation as required by State Commission Order</li> </ul> </li> </ul>	
<b>Data Retained Relating to CLEC Experience</b>	<b>Data Retained Relating to BST Experience</b>
<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 Items</li> </ul>	<ul style="list-style-type: none"> <li>• No BST Analog Exists</li> </ul>
NOTE: Code in parentheses is the corresponding header found in the raw data file.	
<b>Retail Analog/Benchmark:</b>	
There is no retail analog for this measurement because it measures cutting loops to the CLEC. Benchmark under development.	

Revision date: 06/24/99 (taf)

**PROVISIONING**

<b>Report/Measurement:</b>
% Provisioning Troubles within 30 days of Service Order Activity
<b>Definition:</b>
Percent Provisioning Troubles within 30 days of Installation measures the quality and accuracy of installation activities.
<b>Exclusions:</b>
<ul style="list-style-type: none"> <li>• Canceled Service Orders</li> <li>• Order Activities of BST or the CLEC associated with internal or administrative use of local services (R Orders, Test Orders, etc.)</li> <li>• D &amp; F orders</li> </ul>
<b>Business Rules:</b>
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 for a trouble report. D & F orders are excluded as there is no subsequent activity following a disconnect.
<b>Calculation:</b>
$\% \text{ Provisioning Troubles within 30 days of Service Order Activity} = \frac{\sum (\text{Trouble reports on all completed orders} \Leftrightarrow \text{30 days following service order(s) completion})}{(\text{All Service Orders in a completed in the report calendar month})} \times 100$
<b>Report Structure:</b>
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• CLEC Aggregate</li> <li>• BST Aggregate</li> </ul>
<b>Level of Disaggregation:</b>
<ul style="list-style-type: none"> <li>• Reported in categories of &lt;10 line/circuits; &gt; 10 line/circuits</li> <li>• Dispatch / No Dispatch</li> <li>• Product Reporting Levels             <ul style="list-style-type: none"> <li>➢ POTS – Residence</li> <li>➢ POTS – Business</li> <li>➢ DESIGN</li> <li>➢ PBX</li> <li>➢ CENTREX</li> <li>➢ ISDN</li> <li>➢ UNE 2 Wire Loop with INP (Design and Non-Design)</li> <li>➢ UNE 2 Wire Loop without INP (Design and Non-Design)</li> <li>➢ UNE Loop Other with INP (Design and Non-Design)</li> <li>➢ UNE Loop Other without INP (Design and Non-Design)</li> <li>➢ UNE Other (Design and Non-Design)</li> <li>➢ Switching (Under development)</li> <li>➢ Local Transport (Under development)</li> <li>➢ Combos (Under development)</li> <li>➢ NP (Under development as separate category)</li> <li>➢ Local Interconnection Trunks</li> </ul> </li> <li>• Geographic Scope             <ul style="list-style-type: none"> <li>➢ State, Region, and further geographic disaggregation (MSA) as required by State Commission Order</li> </ul> </li> </ul>

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**PROVISIONING – (% Provisioning Troubles within 30 days of Service Order Activity – Continued)**

<b>Data Retained Relating to CLEC Experience</b>	<b>Data Retained Relating to BST Experience</b>
<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>• BST 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>
<p><b>Retail Analog/Benchmark:</b></p> <p>CLEC Residence Resale / BST Residence Retail          CLEC Business Resale / BST Business Retail          CLEC Design / BST Design          CLEC PBX, CENTREX, ISDN/ BST PBX, CENTREX, ISDN          Interconnection Trunks-CLEC / Interconnection Trunks –BST          UNEs-Retail Analog (Under Development at this time)</p>	

Revision date: 06/24/99 (taf)

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**PROVISIONING**

<b>Report/Measurement :</b>
Total Service Order Cycle Time (TSOCT) (under development 3Q99)
<b>Definition:</b>
This is a new measurement under development to measure the total service order cycle time from receipt of a valid service order request to the completion of the service order.
<b>Exclusions:</b>
<ul style="list-style-type: none"> <li>• Canceled Service Orders</li> <li>• Order Activities of BST or the CLEC associated with internal or administrative use of local services (Record Orders, Test Orders, etc.)</li> <li>• D (Disconnect) and F (From) orders. (From is disconnect side of a move order when the customer moves to a new address).</li> <li>• "L" Appointment coded orders (where the customer has requested a later than offered interval)</li> </ul>
<b>Business Rules:</b>
The interval is determined for each order processed during the reporting period. This measurement combines two reports: FOC (Firm Order Confirmation) with Average Order Completion Interval. This interval starts with the receipt of a valid service order request 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
<b>Calculation :</b>
Total Service Order Cycle Time (under development)
<b>Report Structure:</b>
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• CLEC Aggregate</li> <li>• BST Aggregate</li> </ul>
<b>Level of Disaggregation:</b>
<ul style="list-style-type: none"> <li>• ISDN Orders included in Non Design - GA Only</li> <li>• Dispatch/No Dispatch categories applicable to all levels except trunks.</li> <li>• Intervals under development</li> <li>• Product Reporting Levels <ul style="list-style-type: none"> <li>➢ Interconnection Trunks</li> <li>➢ POTS – Residence</li> <li>➢ POTS – Business</li> <li>➢ DESIGN</li> <li>➢ PBX</li> <li>➢ CENTREX</li> <li>➢ ISDN</li> <li>➢ UNE 2 Wire Loop with INP (Design and Non-Design)</li> <li>➢ UNE 2 Wire Loop without INP (Design and Non-Design)</li> <li>➢ UNE Loop Other with INP (Design and Non-Design)</li> <li>➢ UNE Loop Other without INP (Design and Non-Design)</li> <li>➢ UNE Other (Design and Non-Design)</li> <li>➢ Switching (Under development)</li> <li>➢ Local Transport (Under development)</li> <li>➢ Combos (Under development)</li> <li>➢ NP (Under development as separate category)</li> <li>➢ Local Interconnection Trunks</li> </ul> </li> <li>• Geographic Scope <ul style="list-style-type: none"> <li>➢ State, Region and further geographic disaggregation as required by State Commission Order</li> </ul> </li> </ul>

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**PROVISIONING – (Total Service Order Cycle Time (TSOCT) – Continued**

<b>Data Retained Relating to CLEC Experience</b>	<b>Data Retained Relating to BST Experience</b>
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Interval for FOC</li> <li>• CLEC Company Name</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>NOTE: 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>• CLEC 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>
<b>Retail Analog/Benchmark</b>	
Under development (BST retail analog available at this time would be Average Completion Interval)	

Revision date: 06/24/99 (taf)

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**MAINTENANCE & REPAIR**

<b>Report/Measurement:</b>	
Missed Repair Appointments	
<b>Definition:</b>	
The percent of trouble reports not cleared by the committed date and time.	
<b>Exclusions:</b>	
<ul style="list-style-type: none"> <li>• Trouble tickets canceled at the CLEC request.</li> <li>• BST trouble reports associated with internal or administrative service.</li> <li>• Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble.</li> </ul>	
<b>Business Rules:</b>	
The negotiated commitment date and time is established when the repair report is received. The cleared time is the date and time that BST personnel clear the trouble and closes the trouble report in his 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 BST and a CLEC, it can be used to compare the percentage of the time repair appointments are missed due to BST reasons. 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.	
<b>Calculation:</b>	
Percentage of Missed Repair Appointments = $\frac{\Sigma (\text{Count of Customer Troubles Not Cleared by the Quoted Commitment Date and Time})}{\Sigma (\text{Total Trouble reports closed in Reporting Period})} \times 100$	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• CLEC Aggregate</li> <li>• BST Aggregate</li> </ul>	
<b>Level of Disaggregation:</b>	
<p><b>ISDN Troubles included in Non-Design – GA ONLY</b></p> <ul style="list-style-type: none"> <li>• Product Reporting Levels <ul style="list-style-type: none"> <li>➢ POTS – Residence, Business</li> <li>➢ Design</li> <li>➢ PBX, CENTREX and ISDN</li> <li>➢ UNE 2 Wire Loop (Design and Non – Design)</li> <li>➢ UNE Loop Other (Design and Non Design)</li> <li>➢ UNE Other (Design and Non – Design)</li> <li>➢ Switching, Local Transport and Combos (under development)</li> <li>➢ Local Interconnection Trunks</li> </ul> </li> <li>• Dispatch/No Dispatch categories applicable to all product levels</li> <li>• Geographic Scope <ul style="list-style-type: none"> <li>➢ State, Region and further geographic disaggregation as required by State Commission Order (e.g. Metropolitan Service Area - MSA)</li> </ul> </li> </ul>	
<b>Data Retained Relating to CLEC Experience</b>	<b>Data Retained Relating to BST Experience</b>
<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>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• BST 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>
<p><b>NOTE:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	

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**MAINTENANCE & REPAIR – (Missed Repair Appointments – Continued)**

**Retail Analog/Benchmark**

CLEC Residence-Resale / BST Residence-Retail  
CLEC Business-Resale / ~~BST Business-Retail~~  
CLEC Design-Resale / BST Design-Retail  
CLEC PBX, Centrex, and ISDN Resale/ BST PBX, Centrex, and ISDN Retail  
CLEC Trunking-Resale / BST Trunking-Retail  
UNEs - Retail Analog (under development at this time.)

Revision date: 06/09/99 (see)

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**MAINTENANCE & REPAIR**

<b>Report/Measurement:</b>	
Customer Trouble Report Rate	
<b>Definition:</b>	
Initial and repeated customer direct or referred troubles reported within a calendar month per 100 lines/circuits in service.	
<b>Exclusions:</b>	
<ul style="list-style-type: none"> <li>• Trouble tickets canceled at the CLEC request.</li> <li>• BST trouble reports associated with administrative service.</li> <li>• Customer provided Equipment (CPE) troubles or CLEC equipment troubles.</li> </ul>	
<b>Business Rules:</b>	
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 of existing for the CLEC's and BST respectively at the end of the report month.	
<b>Calculation:</b>	
Customer Trouble Report Rate = (Count of Initial and Repeated Trouble Reports in the Current Period) / (Number of Service Access Lines in service at End of the Report Period) X 100	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• CLEC Aggregate</li> <li>• BST Aggregate.</li> </ul>	
<b>Level of Disaggregation:</b>	
<p><b>ISDN Troubles included in Non Design – GA Only</b></p> <ul style="list-style-type: none"> <li>• Product Reporting Levels <ul style="list-style-type: none"> <li>➢ POTS Residence and Business</li> <li>➢ Design</li> <li>➢ PBX, CENTREX, and ISDN</li> <li>➢ UNE 2 Wire Loop (Design and Non – Design)</li> <li>➢ UNE Loop Other (Design and Non – Design)</li> <li>➢ UNE Other (Design and Non – Design)</li> <li>➢ Switching , Local Transport, and Combos (under development)</li> <li>➢ Local Interconnection Trunks</li> </ul> </li> <li>• Dispatch/No Dispatch categories applicable to all product levels</li> <li>• Geographic Scope <ul style="list-style-type: none"> <li>➢ State, Region and further geographic disaggregation as required by State Commission Order (e.g. Metropolitan Service Area - MSA)</li> </ul> </li> </ul>	
<b>Data Retained Relating to CLEC Experience</b>	<b>Data Retained Relating to BST Experience</b>
<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>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• BST 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>
<p><b>NOTE:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	

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**MAINTENANCE & REPAIR – (Customer Trouble Report Rate – Continued)**

**Retail Analog/Benchmark:**

CLEC Residence-Resale / BST Residence -Retail  
CLEC Business-Resale / BST Business-Retail  
CLEC Design-Resale / BST Design-Retail  
CLEC PBX, Centrex and ISDN Resale/ BST PBX, Centrex, and ISDN Retail  
CLEC Trunking-Resale / BST Trunking-Retail  
UNEs - Retail Analog (under development at this time)

Revision date: 06/09/99 (see)

**MAINTENANCE & REPAIR**

<b>Report/Measurement:</b>
Maintenance Average Duration
<b>Definition:</b>
The Average duration of Customer Trouble Reports from the receipt of the Customer Trouble Report to the time the trouble report is cleared.
<b>Exclusions:</b>
<ul style="list-style-type: none"> <li>• Trouble reports canceled at the CLEC request</li> <li>• BST trouble reports associated with administrative service</li> <li>• Customer Provided Equipment (CPE) troubles or CLEC Equipment Troubles.</li> <li>• Trouble reports greater than 10 days</li> </ul>
<b>Business Rules:</b>
For Average Duration the clock starts on the date and time of the receipt of a correct repair request. The clock stops on the date and time the service is restored (when the technician completes the trouble ticket on his/her CAT or work system).
<b>Calculation:</b>
Maintenance Average Duration = $\Sigma(\text{Date and Time of Service Restoration}) - (\text{Date and Time Trouble Ticket was Opened}) / \Sigma(\text{Total Closed Troubles in the reporting period})$
<b>Report Structure:</b>
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• BST Aggregate</li> <li>• CLEC Aggregate</li> </ul>
<b>Level of Disaggregation:</b>
<p><b>ISDN Troubles included in Non Design – GA Only</b></p> <ul style="list-style-type: none"> <li>• Product Reporting Levels <ul style="list-style-type: none"> <li>➢ POTS– Residence and Business</li> <li>➢ Design</li> <li>➢ PBX, CENTREX, and ISDN</li> <li>➢ UNE 2 Wire Loop (Design Non – Design)</li> <li>➢ UNE Loop Other (Design Non – Design)</li> <li>➢ UNE Other (Design Non – Design)</li> <li>➢ Switching, Local Transport and Combos (under development)</li> <li>➢ Local Interconnection Trunks</li> </ul> </li> <li>• Dispatch/No Dispatch categories applicable to all product levels</li> <li>• Geographic Scope <ul style="list-style-type: none"> <li>➢ State, Region and further geographic disaggregation as required by State Commission Order (e.g. Metropolitan Service Area – MSA)</li> </ul> </li> </ul>

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**MAINTENANCE & REPAIR – (Maintenance Average Duration – Continued)**

<b>Data Retained Relating to CLEC Experience</b>	<b>Data Retained Relating to BST Experience</b>
<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 (TIME_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>• BST 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>
<b>Retail Analog/Benchmark:</b>	
CLEC Residence-Resale / BST Residence-Resale CLEC Business-Resale / BST Business-Retail CLEC Design-Resale / BST Design-Retail CLEC PBX, Centrex and ISDN Resale / BST PBX, Centrex and ISDN Retail CLEC Trunking-Resale /BST Trunking-Retail UNEs - Retail Analog (under development at this time)	

Revision date: 06/09/99 (see)

**MAINTENANCE & REPAIR**

<b>Report/Measurement:</b>	
Percent Repeat Troubles within 30 Days	
<b>Definition:</b>	
Trouble reports on the same line/circuit as a previous trouble report received within 30 calendar days as a percent of total troubles reported.	
<b>Exclusions:</b>	
<ul style="list-style-type: none"> <li>• Trouble Reports canceled at the CLEC request</li> <li>• BST Trouble Reports associated with administrative service</li> <li>• Customer Provided Equipment (CPE) Troubles or CLEC Equipment Troubles.</li> </ul>	
<b>Business Rules:</b>	
Includes Customer trouble reports received within 30 days of an original Customer trouble report.	
<b>Calculation:</b>	
Percentage of Missed Repair Appointments = (Count of Customer Troubles where more than one trouble report was logged for the same service line within a continuous 30 days) / ( Total Trouble Reports Closed in Reporting Period) X 100	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• CLEC Aggregate</li> <li>• BST Aggregate</li> </ul>	
<b>Level of Disaggregation:</b>	
<p><b>ISDN Troubles included in Non Design – GA Only</b></p> <ul style="list-style-type: none"> <li>• Product Reporting Levels <ul style="list-style-type: none"> <li>➢ POTS Residence and Business</li> <li>➢ Design</li> <li>➢ PBX, CENTREX and ISDN</li> <li>➢ UNE 2 Wire Loop (Design and Non – Design)</li> <li>➢ UNE Loop Other (Design and Non – Design)</li> <li>➢ UNE Other (Design Non – Design)</li> <li>➢ Switching, Local Transport and Combos (under development)</li> <li>➢ Local Interconnection Trunks</li> </ul> </li> <li>• Dispatch/No Dispatch categories applicable to all product levels</li> <li>• Geographic Scope <ul style="list-style-type: none"> <li>➢ State, Region and further geographic disaggregation as required by State Commission Order (e.g. Metropolitan Service Area - MSA)</li> </ul> </li> </ul>	
<b>Data Retained Relating to CLEC Experience</b>	<b>Data Retained Relating to BST Experience</b>
<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>• 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>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Total Tickets</li> <li>• BST 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>
<b>NOTE:</b> Code parentheses is the corresponding header format found in the raw data file.	

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**MAINTENANCE & REPAIR – (Percent Repeat Troubles within 30 Days - Continued)**

**Retail Analog/Benchmark:**

CLEC Residence-Resale / BST Residence-Retail  
CLEC Business- Resale / ~~BST Business-Retail~~  
CLEC Design-Resale / BST Design-Retail  
CLEC PBX, Centrex and ISDN Resale / BST PBX, Centrex and ISDN Retail  
CLEC Trunking-Resale / BST Trunking-Retail  
UNEs - Retail Analog (under development at this time)

Revision date: 06/09/99 (see)

BellSouth  
Service Quality Measurements  
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**MANTENANCE & REPAIR**

<b>Report/Measurement:</b>	
Out of Service (OOS) > 24 Hours	
<b>Definition:</b>	
For Out of Service Troubles (no dial tone, cannot be called or cannot call out) the percentage of troubles cleared in excess of 24 hours. (All design services are considered to be out of service.)	
<b>Exclusions:</b>	
<ul style="list-style-type: none"> <li>• Trouble Reports canceled at the CLEC request</li> <li>• BST Trouble Reports associated with administrative service</li> <li>• Customer Provided Equipment (CPE) Troubles or CLEC Equipment Troubles.</li> </ul>	
<b>Business Rules:</b>	
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 and the trouble is counted if the time exceeds 24 hours.	
<b>Calculation:</b>	
Out of Service (OOS) > 24 hours = ( Total Troubles OOS > 24 Hours) / Total OOS Troubles in Reporting Period) X 100	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• BST Aggregate</li> <li>• CLEC Aggregate.</li> </ul>	
<b>Level of Disaggregation:</b>	
<p><b>ISDN Troubles included in Non Design – GA Only</b></p> <ul style="list-style-type: none"> <li>• Product Reporting Levels <ul style="list-style-type: none"> <li>➢ POTS Residence and Business</li> <li>➢ Design</li> <li>➢ PBX and CENTREX and ISDN</li> <li>➢ UNE 2 Wire Loop (Design and Non – Design)</li> <li>➢ UNE Loop Other (Design and Non – Design)</li> <li>➢ UNE Other (Design and Non – Design)</li> <li>➢ Switching, Local Transport and Combos (under development)</li> <li>➢ Local Interconnection Trunks</li> </ul> </li> <li>• Dispatch/No Dispatch categories applicable to all product levels</li> <li>• Geographic Scope <ul style="list-style-type: none"> <li>➢ State, Region and further geographic disaggregation as required by State Commission Order (e.g. Metropolitan Service Area - MSA)</li> </ul> </li> </ul>	
<b>Data Retained Relating to CLEC Experience</b>	<b>Data Retained Relating to BST Experience</b>
<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 (CMPLTN_DT)</li> <li>• Percentage of Customer Troubles out of 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>	<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Total Tickets</li> <li>• BST 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>
<p><b>NOTE:</b> Code in parentheses is the corresponding header found in the raw data file.</p>	

BellSouth  
Service Quality Measurements  
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**MANTENANCE & REPAIR – (Out of Service (OOS) > 24 Hours – Continued)**

**Retail Analog/Benchmark:**

- CLEC Residence-Resale / BST Residence- Retail
- CLEC Business- Resale / BST Business-Retail
- CLEC Design-Resale / BST Design-Retail
- CLEC PBX, Centrex and ISDN Resale / BST PBX, Centrex and ISDN Retail
- CLEC Trunking-Resale /BST Trunking- Retail
- UNEs Retail Analog (under development at this time.)

Revision date: 06/09/99 (see)

BellSouth  
Service Quality Measurements  
Louisiana Performance Reports

**MAINTENANCE & REPAIR**

<b>Report/Measurement:</b>	
OSS Interface Availability	
<b>Definition:</b>	
The percentage of time the OSS Interface is functionally available compared to scheduled availability. Availability percentage for the CLEC and BST interface systems and for the legacy systems accessed by them are captured.	
<b>Exclusions:</b>	
None	
<b>Business Rules:</b>	
This measure is designed to compare the OSS availability versus scheduled availability of BST's legacy systems.	
<b>Calculation:</b>	
OSS Interface Availability = (Actual System Functional Availability) / (Actual planned System Availability) X 100	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Aggregate</li> <li>• BST Aggregate</li> <li>• BST/CLEC</li> </ul>	
<b>Level of Disaggregation:</b>	
Region	
<b>Data Retained Relating to CLEC Experience</b>	<b>Data Retained Relating to BST Experience</b>
<ul style="list-style-type: none"> <li>• Availability of CLEC TAFI</li> <li>• Availability of LMOS HOST, MARCH and SOCS</li> <li>• CRIS, PREDICTOR, LNP, and OSPCM (under development at this time)</li> </ul>	<ul style="list-style-type: none"> <li>• Availability of BST TAFI</li> <li>• Availability of LMOS HOST, MARCH and SOCS</li> </ul>
<b>Retail Analog/Benchmark:</b>	
Parity by design; Retail Analog	

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**MAINTENANCE & REPAIR**

<b>Report/Measurement:</b>	
OSS Response Interval and Percentages	
<b>Definition:</b>	
The response intervals are determined by subtracting the time a request is received on the BST side of the interface until the response is received from the legacy system. Percentages of requests falling into each interval category are reported, along with the actual number of requests falling into those categories.	
<b>Exclusions:</b>	
Queries received during scheduled system maintenance time.	
<b>Business Rules:</b>	
This measure is designed to monitor the time required for the CLEC and BST interface system to obtain from BST's legacy systems the information required to handle maintenance and repair functions. The clock starts on the date and time when the request is received and the clock stops when the response has been transmitted through that same point to the requester.	
<b>Calculation:</b>	
$\text{OSS Response Interval} = (\text{Query Response Date and Time for Category "X"} - (\text{Query Request Date and Time for Category "X"})) / (\text{Number of Queries Submitted in the Reporting Period})$ where, "X" is 0-4, $\geq 4$ to 10, $\geq 10$ , $\geq 30$ seconds.	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC</li> <li>• BST Residence</li> <li>• BST Business (BST Total is under development at this time) by interface for each legacy system and function as appropriate.</li> </ul>	
<b>Level of Disaggregation:</b>	
Region	
<b>Data Retained Relating to CLEC Experience</b>	<b>Data Retained Relating to BST Experience</b>
<ul style="list-style-type: none"> <li>• CLEC Transaction Intervals</li> </ul>	<ul style="list-style-type: none"> <li>• BST Business and Residence transaction Intervals</li> </ul>
<b>Retail Analog/Benchmark:</b>	
Retail Analog Audit Verification	

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**MAINTENANCE & REPAIR**

<b>Report/Measurement:</b>	
Average Answer Time – Repair Centers	
<b>Definition:</b>	
This measure demonstrates an average response time for the CLEC representative to contact a BST representative. The average time a CLEC Rep is in queue waiting for the LCSC or UNE Center Rep to answer.	
<b>Exclusions:</b>	
None	
<b>Business Rules:</b>	
This measure is designed to measure the time required for CLEC & BST from the time of the ACD choice to the time of being answered. The clock starts when the CLEC Rep makes a choice to be put in queue for the next repair attendant and the clock stops when the repair attendant answers the call.	
<b>Level of Disaggregation:</b>	
Region. CLEC/BST Service Centers and BST Repair Centers are regional.	
<b>Calculation:</b>	
Average Answer Time for BST's Repair Centers = (Time BST Repair Attendant Answers Call) – (Time of entry into queue until ACD Selection) / (Total number of calls by reporting period)	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Aggregate</li> <li>• BST/CLEC Aggregate</li> </ul>	
<b>Data Retained Relating to CLEC Experience</b>	<b>Data Retained Relating to BST Experience</b>
<ul style="list-style-type: none"> <li>• CLEC Average Answer Time</li> </ul>	<ul style="list-style-type: none"> <li>• BST Average Answer Time</li> </ul>
<b>Retail Analog/Benchmark:</b>	
Retail Analog Audit Verification	

Revision date: 06/09/99 (see)

BellSouth  
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**BILLING**

<b>Report/Measurement:</b>	
Invoice Accuracy	
<b>Definition:</b>	
This measure provides the percentage accuracy of the billing invoices for a CLEC by dividing the difference between the total billed revenue and total adjustment revenues by total billed revenues during the current month.	
<b>Exclusions:</b>	
<ul style="list-style-type: none"> <li>• Any invoices rejected due to formatting or content errors</li> <li>• Adjustments not related to billing errors (e.g., credits for service outage, special promotion credits, adjustments to satisfy the customer)</li> </ul>	
<b>Business Rules:</b>	
The accuracy of billing invoices delivered by BST to the CLEC must provide CLECs with the opportunity to deliver bills at least as accurate as those delivered by BST. CLECs request adjustments on bills determined to be incorrect. This is a measure of billing accuracy. BellSouth conducts a manual sampling analysis of local bills prior to transmission of the bills. This bill verification process includes a sample from each bill period that draws from a mix of different customer types and types of service. An end-to-end process is performed for new products and services. Internal measurements and controls are maintained on all billing processes.	
<b>Calculation:</b>	
Invoice Accuracy = (Total Billed Revenues during current month) – (Total Adjustment Revenues during current month) / Total Billed Revenues during current month X 100	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• CLEC Aggregate</li> <li>• BST Aggregate</li> </ul>	
<b>Level of Disaggregation :</b>	
<ul style="list-style-type: none"> <li>• Product Reporting Levels <ul style="list-style-type: none"> <li>➢ Resale</li> <li>➢ UNE</li> <li>➢ Interconnection</li> </ul> </li> <li>• Geographic Scope <ul style="list-style-type: none"> <li>➢ Region</li> </ul> </li> </ul>	
<b>Data Retained Relating to CLEC Experience:</b>	<b>Data Retained Relating to BST Performance:</b>
<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>• Total Billed Revenue</li> <li>• Total Adjustment Revenue</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>• Total Billed Revenue</li> <li>• Total Adjustment Revenue</li> </ul>
<b>Retail Analog/Benchmark</b>	
Retail Analog	

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**BILLING**

<b>Report/Measurement:</b>	
Mean Time to Deliver Invoices	
<b>Definition:</b>	
This measure provides the mean interval for billing invoices	
<b>Exclusions:</b>	
Any invoices rejected due to formatting or content errors.	
<b>Business Rules:</b>	
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.	
<b>Calculation:</b>	
$\text{Mean Time To Deliver Invoices} = \frac{\sum [(\text{Invoice Transmission Date}) - (\text{Close Date of Scheduled Bill Cycle})]}{(\text{Count of Invoices Transmitted in Reporting Period})}$	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• CLEC Aggregate</li> <li>• BST Aggregate</li> </ul>	
<b>Level of Disaggregation:</b>	
<ul style="list-style-type: none"> <li>• Product / Invoice Type <ul style="list-style-type: none"> <li>&gt; Resale</li> <li>&gt; UNE</li> <li>&gt; Interconnection</li> </ul> </li> <li>• Geographic Scope <ul style="list-style-type: none"> <li>&gt; Region</li> </ul> </li> </ul>	
<b>Data Retained Relating to CLEC Experience:</b>	<b>Data Retained Relating to BST Performance:</b>
<ul style="list-style-type: none"> <li>• Report Month</li> <li>• Invoice Type <ul style="list-style-type: none"> <li>&gt; CRIS</li> <li>&gt; CABS</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>&gt; CRIS</li> <li>&gt; CABS</li> </ul> </li> <li>• Invoice Transmission Count</li> <li>• Date of Scheduled Bill Close</li> </ul>
<b>Retail Analog/Benchmark:</b>	
CRIS-based invoices will be released for delivery within six (6) business days CABS-based invoices will be released for delivery within eight (8) calendar days.	

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BellSouth  
Service Quality Measurements  
Louisiana Performance Reports

**BILLING**

<b>Report/Measurement:</b>	
Usage Data Delivery Accuracy	
<b>Definition:</b>	
This measurement captures the percentage of recorded usage and recorded usage data packets transmitted error free and in an agreed upon format to the appropriate CLEC, as well as a parity measurement against BST Data Packet Transmission.	
<b>Exclusions:</b>	
None	
<b>Business Rules:</b>	
The accuracy of usage records delivered by BST to the CLEC must provide CLECs with the opportunity to deliver bills at least as accurate as those delivered by BST.	
<b>Calculations:</b>	
Usage Data Delivery Accuracy = $\Sigma [(Total\ number\ of\ usage\ data\ packs\ sent\ during\ current\ month) - (Total\ number\ of\ usage\ data\ packs\ requiring\ retransmission\ during\ current\ month)] / (Total\ number\ of\ usage\ data\ packs\ sent\ during\ current\ month) \times 100$	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• CLEC Aggregate</li> <li>• BST Aggregate</li> </ul>	
<b>Level of Disaggregation:</b>	
<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> <li>• Geographic Scope <ul style="list-style-type: none"> <li>➢ Region</li> </ul> </li> </ul>	
<b>Data Retained Relating to CLEC Experience:</b>	<b>Data Retained Relating to BST Performance:</b>
<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>
<b>Retail Analog/Benchmark:</b>	
Retail Analog	

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**BILLING**

<b>Report/Measurement:</b>	
Usage Data Delivery Completeness	
<b>Definition:</b>	
This measurement provides percentage of recorded usage data (BellSouth recorded and usage recorded by other carriers) processed and transmitted, to the CLEC, within thirty (30) days of the message (usage record) create date. A parity measure is also provided showing completeness of BST messages processed and transmitted via CMDS. Timeliness, Completeness and Mean Time to Deliver Usage measures are reported on the same report.	
<b>Exclusions:</b>	
None	
<b>Business Rules:</b>	
The purpose of these measurements is to demonstrate the level of quality and timeliness of processing and transmission of both types 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. Method of delivery is at the option of the CLEC.	
<b>Calculation:</b>	
Usage Data Delivery Completeness = $\frac{\Sigma(\text{Total number of Recorded usage records delivered during the current month that are within thirty (30) days of the message (usage record) create date})}{\Sigma(\text{Total number of Recorded usage records delivered during the current month})} \times 100$	
<b>Report Structure</b>	
<ul style="list-style-type: none"> <li>• CLEC Specific</li> <li>• CLEC Aggregate</li> <li>• BST Aggregate</li> </ul>	
<b>Level of Disaggregation:</b>	
<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> <li>• Geographic Scope <ul style="list-style-type: none"> <li>➢ Region</li> </ul> </li> </ul>	
<b>Data Retained Relating to CLEC Experience:</b>	<b>Data Retained Relating to BST Performance:</b>
<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 Monthly</li> <li>• Record Type</li> </ul>
<b>Retail Analog/Benchmark:</b>	
Retail Analog	

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BellSouth  
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**BILLING**

<b>Report/Measurement:</b>	
Usage Data Delivery Timeliness	
<b>Definition:</b>	
This measurement provides percentage of recorded usage data (BellSouth recorded and usage recorded by other carriers) delivered to the appropriate CLEC within six (6) calendar days from initial recording. A parity measure is also provided showing timeliness of BST messages processed and transmitted via CMDS. Timeliness, Completeness and Mean Time to Deliver Usage measures are reported on the same report.	
<b>Exclusions:</b>	
None	
<b>Business Rules:</b>	
The purpose of these measurements is to demonstrate the level of quality and timeliness of processing and transmission of both types 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. Method of delivery is at the option of the CLEC.	
<b>Calculation:</b>	
Usage Data Delivery Timeliness = $\Sigma$ (Total number of usage records sent within six (6) calendar days from initial recording/receipt) / $\Sigma$ (Total number of usage records sent) X 100	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Aggregate</li> <li>• CLEC Specific</li> <li>• BST Aggregate</li> </ul>	
<b>Level of Disaggregation:</b>	
<ul style="list-style-type: none"> <li>• Resale</li> <li>• UNE</li> <li>• Interconnection</li> </ul>	
<b>Data Retained Relating to CLEC Experience:</b>	<b>Data Retained Relating to BST Performance:</b>
<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 Monthly</li> <li>• Record Type</li> </ul>
<b>Retail Analog/Benchmark:</b>	
Retail Analog	

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**BILLING**

<b>Report/Measurement:</b>	
Mean Time to Deliver Usage	
<b>Definition:</b>	
This measurement provides the average time it takes to deliver Usage Records to a CLEC. A parity measure is also provided showing timeliness of BST messages processed and transmitted via CMDS. Timeliness, Completeness and Mean Time to Deliver Usage measures are reported on the same report.	
<b>Exclusions:</b>	
None	
<b>Business Rules:</b>	
The purpose of this measurement is to demonstrate the average number of days it takes to deliver Usage data to the appropriate CLEC. 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.	
<b>Calculation:</b>	
Mean Time to Deliver Usage = $\Sigma$ (Record volume X estimated number of days to deliver the Usage Record) / total record volume	
<b>Report Structure:</b>	
<ul style="list-style-type: none"> <li>• CLEC Aggregate</li> <li>• CLEC Specific</li> <li>• BST Aggregate</li> </ul>	
<b>Level of Disaggregation:</b>	
<ul style="list-style-type: none"> <li>• Resale</li> <li>• UNE</li> <li>• Interconnection</li> </ul>	
<b>Data Retained Relating to CLEC Experience:</b>	<b>Data Retained Relating to BST Performance:</b>
<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 Monthly</li> <li>• Record Type</li> </ul>
<b>Retail Analog/Benchmark:</b>	
Retail Analog	

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