

ATTACHMENT 7**PROVISION OF CUSTOMER USAGE DATA****TABLE OF CONTENTS**

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PROVISION OF CUSTOMER USAGE DATA

1. Introduction

- 1.1 This Attachment sets forth the terms and conditions for GTE's provision of recorded usage data (as defined in this Attachment) to AT&T. Recorded Usage Data shall be provided by GTE to AT&T when AT&T purchases Network Elements, Combinations, or Local Services from GTE. If modifications to GTE's billing system are necessary for GTE to meet the requirements of this Attachment 7, because such requirements call for a higher level of service or different functionality than GTE provides to itself, the parties shall negotiate in good faith a price to cover the costs of such modifications. AT&T shall reimburse GTE only for AT&T's proportionate share of the actual costs incurred if other entities, including GTE, use and benefit from the modifications. If no other entities, including GTE participate in the modifications, AT&T will pay all of the actual costs incurred. However, if other entities use and benefit from the modifications, GTE shall reimburse AT&T in an amount equal to the modification costs attributable to the proportionate use of the billing system by such subsequent entity.

2. General Requirements for Recorded Usage Data

- 2.1 GTE shall provide AT&T with Recorded Usage Data in accordance with this Attachment.
- 2.2 GTE's provision of Recorded Usage Data to AT&T shall be in accordance with AT&T's Direct Measures of Quality (DMOQs) set forth in Attachment 12.
- 2.3 GTE shall retain Recorded Usage Data in accordance with applicable law and regulation.

3. Usage Data Specifications

- 3.1 To the extent that GTE records such information for itself, GTE will record usage originating from AT&T Customers using the GTE provided Element or Local Services, which include intraLATA toll and local usage. Recorded Usage Data includes, but is not limited to, the following categories of information:

- Call Attempts
- Completed Calls
- Use Of CLASS/LASS/Custom Features
- Calls To Information Providers Reached Via GTE Facilities And Contracted By GTE

Calls To Directory Assistance Where GTE Provides Such Service To An AT&T Customer

Calls Completed Via GTE Provided Operator Services Where GTE Provides Such Service To AT&T's Local Service Customer

For GTE Provided CENTRANET Service, Station Level Detail for calls outside the CENTRANET group

Records Shall Include Complete Call Detail And Complete Timing Information

Recording Of Completed Calls Which GTE Does Not Record For Its Own Service Offerings (e.g., Flat Rate Free Calling Area Service)

In the event GTE does not record the above information for itself, GTE will record such information subject to AT&T's agreement to pay its proportionate share of costs associated with such recording.

3.2 GTE shall provide to AT&T Recorded Usage Data for AT&T Customers only in unrated format, except for rated incollects and except as provided in Section 3.3 following. GTE will not submit other carrier local usage data as part of the AT&T Recorded Usage Data.

3.3 Calls to information providers referenced in Section 3.1 preceding shall be provided to AT&T in rated format for billing to the customer.

3.3.1 The parties also agree to establish settlement procedures to permit AT&T to recourse to GTE amounts AT&T Customers refuse to pay for these rated information provider charges forwarded by GTE to AT&T for billing.

3.4 End user customer usage records and station level detail records shall be in packs in accordance with EMR standards.

4. Recorded Usage Data Format

4.1 GTE will provide Recorded Usage Data in the EMR format and by category, group and record type, as specified in the AT&T Customer Usage Data Transfer Requirements, March 1996 ("Data Requirements"), which is attached hereto and incorporated herein as Appendix II.

4.2 GTE shall include the Working Telephone Number (WTN) of the call originator on each EMR call record.

4.3 End user customer usage records and station level detail records shall be in packs in accordance with EMR standards.

5. Recorded Usage Data Reporting Requirements

- 5.1 GTE shall segregate and organize the Recorded Usage Data in accordance with AT&T's instructions.
- 5.2 GTE shall provide segregated Recorded Usage Data to multiple AT&T biller locations as designated by AT&T.
- 5.3 GTE shall transmit Data Requirements formatted Recorded Usage Data to AT&T via CONNECT:Direct as designated by AT&T. In the event that usage transfer cannot be accommodated by CONNECT: Direct because of extended (one business day or more) facility outages, or if facilities do not exist, the LSP will contract for a courier service to transport the data tapes. Data transported to AT&T on tape or cartridge via a courier will have the physical characteristics indicated in SUBAPPENDIX A. AT&T's intent is for variable block format (2476 bytes) with a LRLECL of 2472. The charge for said service shall be as set forth in Attachment 14.
 - 5.3.1 GTE will provide AT&T with contacts for sending/receiving usage files.

AT&T will provide GTE with contacts responsible for receiving usage transmitted by GTE and usages tapes from a courier service in the event of a facility outage.
- 5.4 AT&T will test and certify the CONNECT:Direct interface to ensure the accurate receipt of Recorded Usage Data. GTE shall make any changes necessary to pass the AT&T CONNECT:Direct certification process.
- 5.5 GTE shall provide Recorded Usage Data to AT&T within the time frames specified in Attachment 12.
- 5.6 GTE will establish a single point of contact to respond to AT&T call usage, data error, and record transmission inquiries.
- 5.7 The Recorded Usage Data EMR format, content, and transmission process will be tested as specified by AT&T.
- 5.8 When requested by AT&T for security purposes, GTE shall provide AT&T with Recorded Usage Data promptly. If not available in EMR format, the Recorded Usage Data may be provided in AMA format.
- 5.9 USAGE SUMMARY

Messages will be transmitted, via a direct feed, to AT&T in standard EMR format. The following is a list of EMR records that AT&T can expect to receive from the LSP:

Header Record

20-20-01

Trailer Record	20-20-02
Detail Records*	01-01-01, 06, 07, 08, 09, 16, 18, 31, 32, 33, 35, 37,
Credit Records	03-01-XX
Rated Credits	41-01-XX
Cancel Records	51-01-XX
Correction Records	71-01-XX

*Category 01 is utilized for Rated Messages; Category 10 is utilized for Unrated Messages

In addition, the LSP should provide a 42-50-01 Miscellaneous Charge record to support the Special Features Star Services (see Appendix II, Subappendix E for specific details) if these features are part of the LSP's resale product.

For detailed information regarding EMR, refer to the current version of the BellCore Practice BR010-200-010 document.

- 5.10 AT&T and GTE will track pack number to control input based upon invoice sequencing criteria. GTE will be notified of sequence failures identified by AT&T and resend procedures are to be invoked.
- 5.11 AT&T, upon receipt of cancel/connection records, will perform their current matching functionality to identify the original message to be connected/canceled. Processing will be dependent upon individual negotiations.

6. Recording Failures

- 6.1 Loss of Recorded Usage Data - AT&T Recorded Usage Data determined to have been lost, damaged or destroyed as a result of an error or omission by GTE in its performance of the recording function shall, upon AT&T's request, be recovered by GTE at no charge to AT&T. In the event the data cannot be recovered by GTE, GTE shall estimate the messages and associated revenue, with assistance from AT&T, based upon the method described below. This method will be applied on a consistent basis, subject to modifications agreed to by GTE and AT&T. This estimate will be used to adjust amounts AT&T owes GTE for services GTE provides in conjunction with the provision of Recorded Usage Data.
 - 6.1.1 Partial Loss - GTE shall review its daily controls to determine if data has been

lost. When there has been a partial loss, actual message and minute volumes shall be reported, if possible. Where actual data are not available, a full day shall be estimated for the recording entity, as outlined in Section 6.1.3 following. The amount of the partial loss is then determined by subtracting the data actually recorded for such day from the estimated total for such day.

- 6.1.2 Complete Loss - Estimated message and minute volumes for each loss consisting of an entire AMA tape or entire data volume due to its loss prior to or during processing, lost after receipt, degaussed before processing, receipt of a blank or unreadable tape, or lost for other causes, shall be reported.
- 6.1.3 Estimated Volumes - From message and minute volume reports for the entity experiencing the loss, GTE shall secure message/minute counts for the four (4) corresponding days of the weeks preceding that in which the loss occurred and compute an average of these volumes. GTE shall apply the appropriate average revenue per message ("arpm") provided by AT&T to the estimated message volume to arrive at the estimated lost revenue. Within 45 business days of the Effective Date of this Agreement, the Parties will mutually agree on a minimum threshold for application of this Section 6.1.3. Section 6.1.3 will be modified as set forth below:
 - 6.1.3.1 If the day of loss is not a holiday but one (1) (or more) of the preceding corresponding days is a holiday, use additional preceding weeks in order to procure volumes for two (2) non-holidays in the previous two (2) weeks that correspond to the day of the week that is the day of the loss.
 - 6.1.3.2 If the loss occurs on a weekday that is a holiday (except Christmas), GTE shall use volumes from the two (2) preceding Sundays.
 - 6.1.3.3 If the loss occurs on Mother's Day or Christmas, GTE shall use volumes from that day in the preceding year (if available).
- 6.2 AT&T may also request data be provided that has previously been successfully provided by GTE to AT&T. GTE shall provide such data to the extent available subject to AT&T's agreement to pay relevant charges on a case-by-case basis.

7. Charges

GTE shall bill and AT&T shall pay the charges set forth in Part V and Attachment 14 for Recorded Usage Data. Billing and payment shall be in accordance with the applicable terms and conditions set forth in this Agreement.

8. Local Account Maintenance

- 8.1 When AT&T purchases Local Service from GTE, and, as appropriate, when AT&T purchases certain Unbundled Network Elements, GTE shall provide AT&T with Local Account Maintenance as described in Appendix III of this Attachment. These procedures are in addition to Service Order procedures set forth in Part I and Attachment 4 to this Agreement.

9. Clearinghouse Procedures

- 9.1 The Parties acknowledge that calls will be placed using the service of one Party that will be billable to customers of the other Party. In order to ensure that these calls are properly accounted for and billed to the appropriate customer, the Parties agree to work together and, when required, with other carriers, to establish clearinghouse procedures to accomplish these objectives. It is the intention of the Parties that these negotiations will be completed within six (6) months of the Effective Date of this Agreement. These procedures will establish the following:
- 9.1.1 AT&T shall have access to the Bellcore CMDS process for transmitting, receiving, and settling calling card, in-collect, and out-collect inter-region messages.
- 9.1.2 AT&T shall have access to the Bellcore company regional process for receiving and settling calling card, in-collect, and out-collect intra-region messages.
- 9.1.3 In the event a clearinghouse procedure is not in place upon the Effective Date of this Agreement, GTE will implement an interim arrangement with AT&T.

**APPENDIX I
TO
ATTACHMENT 7**

**CUSTOMER USAGE DATA
TRANSFER REQUIREMENTS**

SECTION I: SCOPE

General

This Appendix addresses the transmission by GTE of AT&T Customer usage to AT&T.

Usage Summary

Messages will be transmitted, via a direct feed, to AT&T in standard EMR format. The following is a list of EMR records that AT&T can expect to receive from GTE:

Header Record	20-20-01	
Trailer Record	20-20-02	
Detail Records*	01-01-01, 06, 07, 08, 09, 16, 18, 31, 32, 33, 35, 37, 80, 81, 10-01-01, 06, 07, 08, 09, 16, 18, 31, 32, 35, 37, 80, 81, 82,	82, 83 83
Credit Records	03-01-XX	
Rated Credits	41-01-XX	
Cancel Records	51-01-XX	
Correction Records	71-01-XX	

*Category 01 is utilized for Rated Messages; Category 10 is utilized for Unrated Messages

In addition, GTE shall provide a 42-50-01 Miscellaneous Charge record to support the Special Features Star Services (see Subappendix E for specific details) if these features are part of GTE's offering.

For detailed information regarding EMR, refer to the current version of the BellCore Practice BR010-200-010 Appendix.

Appendix Content

This Appendix describes baseline requirements for the transfer of GTE recorded, unrated usage to AT&T. Testing requirements and the reports needed to ensure data integrity are also included. Additional requirements and implementation details may be identified for conditions unique to GTE. Modifications and/or exceptions to this Appendix must be negotiated and mutually agreed upon by GTE and AT&T.

SECTION II: RECORDED USAGE TO BE TRANSMITTED TO AT&T

General

This section addresses the types of usage to be transmitted by GTE to AT&T.

9.1 Usage To Be Transferred To AT&T

9.1.1 AT&T Usage To Be Transferred

The following messages recorded by GTE are to be transmitted to AT&T. GTE recorded usage includes all usage by AT&T Customers.

NOTE: Rated incollect messages should be transmitted via the direct feed and can be intermingled with the unrated messages. No special packing is needed.

At the discretion of AT&T, any of the above mentioned messages that cannot be rated and/or billed by AT&T may be returned to GTE via a direct returns feed. Returned messages will be sent to GTE in EMR format. Standard EMR return codes will be utilized.

File transfer specifications are included within Section 3.

9.2 AT&T Usage

The Recorded Usage Data in a local resale environment includes all intraLATA toll and local usage. GTE will provide AT&T with unrated EMR records associated with all intraLATA toll and local usage which they record on AT&T's behalf. Any Category, Group and/or Record types approved in the future for GTE will be included if they fall within the definition of local service resale. AT&T shall be given notification of implementation of a new type within the negotiated timeframes.

NOTE: GTE messages will be packed using the packing criteria outlined in Section 3.4.8. It is important to note that all GTE messages will be packed together (intermingled) based on the appropriate AT&T Send To/Bill To RAO combination. Specific categories, groups, and record types will not be packed separately.

SECTION III: GTE TO AT&T USAGE FEED

General

This section contains the information required for GTE to transmit the usage defined in Section II to AT&T. This section specifically addresses the dataset requirements and processing.

9.1 Detailed EMR Record Edits

AT&T will perform detailed record edits on the unrated and rated messages upon receipt from GTE. Messages that fail these edits may be returned to GTE.

9.2 Duplicate Record Checks

AT&T will perform record checks on the unrated and rated messages to validate that duplicate messages are not sent by GTE to AT&T.

9.3 GTE to AT&T Usage Feed

9.3.1 Usage Data Transport Requirements

GTE will provide the transport facility between GTE location and the AT&T location. It is AT&T's intent that usage data be transmitted via CONNECT:Direct whenever possible. In the event usage transfer cannot be accommodated by CONNECT:Direct because of extended (one (1) business day or longer) facility outages, or if facilities do not exist, GTE will contract for a courier service to transport the data via tape.

GTE will provide AT&T with contacts, Remote Identifiers (IDs), and expected usage data volumes for each sending location.

AT&T will provide contacts responsible for:
Receiving usage transmitted by GTE.
Receiving usage tapes from a courier service in the event of a facility outage.

9.3.2 Physical Characteristics

Data transported to AT&T on tape or cartridge via a courier will have the physical characteristics indicated in Subappendix A. AT&T's intent is for variable block format (2,476 bytes) with a LRECL of 2472.

9.3.3 Data Delivery Schedules

Data will be delivered to AT&T by GTE daily (Monday through Friday) unless otherwise negotiated. AT&T and/or GTE Data Center holidays are excluded. GTE and AT&T will exchange schedules of designated Data Center holidays.

9.3.4 Resending Data

AT&T will notify GTE of resend requirements if a pack or entire dataset must be replaced due to pack rejection, damage in transit, dataset name failure, etc.

9.3.5 Pack Rejection

Critical edit failure on the Pack Header or Pack Trailer records will result in pack rejection (e.g., detail record count not equal to grand total included in the pack trailer). Notification of pack rejection will be made by AT&T within one (1) business day of processing. Rejected packs will be corrected by GTE and retransmitted to AT&T by GTE.

9.3.6 Held Packs And Messages

AT&T and GTE will track pack number to control input based upon invoice sequencing criteria. GTE will be notified of sequence failures identified by AT&T and resend procedures are to be invoked.

9.3.7 Data Content Requirements

EMR is the format to be used for usage data provided to AT&T.

9.3.8 RAO Packing Requirements

A pack shall contain a minimum of one message record or a maximum of 9,999 message records plus a pack header record and a pack trailer record. A file transmission contains a maximum of 99 packs. A dataset shall contain a minimum of one pack. GTE will provide AT&T one dataset per sending location, with the agreed upon RAO/OCN populated in the Header and Trailer records.

Within the Header and Trailer records, the FROM RAO identifies the location that will be sending usage to AT&T. GTE will populate the FROM RAO field with the unique numeric value identifying the location that is sending the data to AT&T. GTE will populate the Send To/Bill To RAO fields with the appropriate AT&T RAO values. Also, Pack Header and Trailer will have the OCN appropriately populated.

The FROM RAO, OCN, and Remote Identifiers will be used by AT&T to control invoice sequencing and each will have its own invoice controls. The FROM RAO will also be used to determine where the message returns file, containing any misdirected and unguidable usage, will be sent.

The file's Record Format (RECFM) will be Variable Block (VB) Size 2,476 and the Logical Record Length (LRECL) will be 2,472 bytes. Compaction requirements can be found in Subappendix B hereto.

AT&T has no special sort requirements for the packs sent by GTE.

9.3.9 Dataset Naming Convention

GTE will transmit the usage to AT&T using the following dataset naming conventions. The dataset name (DSN) will be partitioned into five nodes, separated by periods as follows:

NODE 1*BB03PXNN**
NODE 2.IBMUP
NODE 3 (To be determined during negotiations)
NODE 4.USAGE

NODE 5.*GNNNNV00** (Generational Dataset to be incremented by sender).
*The italicized "N" represents numeric fields determined during negotiations.

9.3.10 Control Reports

AT&T accepts input data provided by GTE in EMR format in accordance with the requirements and specifications detailed in this section of the attachment. In order to ensure the overall integrity of the usage being transmitted from GTE to AT&T, data transfer control reports will be required. These reports shall be provided by AT&T to GTE on a daily or otherwise negotiated basis and reflect the results of the processing for each pack transmitted by GTE.

9.3.11 Message Validation Reports

AT&T will provide the following three (3) daily (or otherwise negotiated) Message Validation reports to the designated GTE System Control Coordinator. These reports will be provided for all data received within GTE Local Resale Feed and will be transmitted Monday through Friday whether or not there have been any files transmitted.

9.3.11.1 Message Validation Pack Reject Report (A7287)

This report provides information on packs rejected by AT&T. It lists the header and trailer record of each rejected pack and indicates the error codes and the associated error message which explains why the pack was rejected.

An example of the report and a list of Valid Error Codes and associated error messages are provided in Subappendix B hereto.

9.3.11.2 Message Validation Pack Accepted Report (A7288)

This report provides vital statistics and control totals by Record ID, Type of Service, Message Counts and Record Counts, for all valid, rejected and dropped messages. The information is provided in the following report formats and control levels:

1. RLEC Total Messages
2. RLEC Total Records
3. RAO Total Messages
4. RAO Total Records
5. Pack Total (Record Counts and Message Counts)

The first four report formats include percentages that indicate the relationship of the daily input volume by Record ID and Type of Record to the total input volume provided by an RAO and GTE.

An example of the report is provided in Subappendix C hereto.

9.3.11.3 Message Validation EMR Detail Error Report (A7289)

An EMR detailed error report is generated for each pack/ invoice that is received and processed by AT&T. The report lists, in vertical format, the complete 175 byte EMR record that has failed to pass the initial edit criteria. It prints this detailed information only for the first five EMR records that share a common error condition. The error condition is flagged on the report by one of two possible error codes preceding the field value. The error codes are:

- (C) DENOTES CRITICAL ERRORS
- (I) DENOTES INFORMATION ERRORS

The last two pages of the report for a given pack/invoice provide the following

control totals:

Total Errors for each Field

Total Records Received

Total Records Dropped

Total Records Rejected to MIU

Pack Reject Rate

Total Default Count (represents the number of Files on all of the input records that had to be programmatically altered to meet the EMR standards and specifications.)

If the entire pack/invoice has been rejected because of a Critical Error Rate greater than 0.5%, the last page of the report will display such a statement enclosed in asterisks.

An example of the report is provided in Subappendix D hereto.

9.3.11.4 Control Reports - Distribution

Since GTE is not receiving control reports, dataset names will be established during detailed negotiations.

SECTION IV: AT&T PROCESSING REQUIREMENTS

General

This section contains requirements for AT&T processing of Recorded Usage Data that has been transmitted to AT&T for billing.

9.1 AT&T Rating Process

9.1.1 Message Rating

AT&T will rate any individual messages (as defined in Section II), that have not already been rated by GTE (information provider messages will be rated by GTE), prior to transmitting the usage to a billing environment within AT&T.

9.1.2 Application Of Taxes/Fees/Surcharges

AT&T will apply taxes, fees and surcharges as appropriate for the individual messages and/or customer accounts. The application of all taxes, fees and surcharges will be applied on all intraLATA local and toll usage received from GTE.

9.1.3 Duplicate Messages

AT&T has existing duplicate checks as part of their message processing or billing functions. AT&T will perform these checks on the rated/unrated messages sent pursuant to GTE duplicate message disposition procedures and reports will be identified by AT&T during negotiations.

9.1.4 Record Edits

9.1.4.1 AT&T Record Edits

AT&T will perform detailed record edits on the rated and unrated messages prior to transmitting them to the billing environment. Rated and unrated records that do not pass AT&T edits will be returned to GTE.

9.1.4.2 GTE Record Edits

If GTE has existing detailed record edits for rated and unrated messages, GTE is to perform these edits.

Rated and unrated records that do not pass AT&T edits will be returned to

GTE. GTE will attempt to perform error correction on all records requiring such action as agreed upon through the detailed negotiations process.

9.1.5 AT&T To GTE Message Returns

At the discretion of AT&T, customer usage data sent to AT&T by GTE that cannot be guided to an AT&T billed account or that cannot be processed will be returned to GTE with the appropriate industry standard return codes.

9.1.6 Cancel/Correction Records

AT&T, upon receipt of cancel/correction records, will perform their current matching functionality to identify the original message to be canceled/corrected. (Processing will be dependent upon individual negotiations.)

SECTION V: TEST PLANS AND ACTIVITIES

General

This section defines GTE and AT&T activities which are required prior to implementation. The tests and activities described are necessary to ensure a smooth, accurate and well-programmed conversion. Specific test dates will be identified through the negotiations process.

9.1 Interface Testing

The Parties agree to usage interface testing between GTE and AT&T. The purpose of this test is to ensure that the usage described in Section II preceding can be sent by either Party and can be accepted and processed by the other Party. GTE will provide a test file to AT&T's designated Regional Processing Center (RPC) in the format that will be used for live day-to-day processing. The file will contain one (1) full day's production usage. The format of the file will conform to the requirements shown in Section III. AT&T will review the file and verify that it conforms to its data center requirements. AT&T will notify GTE in writing whether the format is acceptable. AT&T will also provide GTE with the agreed-upon control reports as part of this test.

AT&T will provide a test file to GTE's designated Regional Processing Center (RPC) in the format that will be used for live day-to-day processing. The file will contain one (1) full day's production usage. The format of the file will conform to the requirements shown in Section III. GTE will review the file and verify that it conforms to its data center requirements. GTE will notify AT&T in writing whether the format is acceptable. GTE will also provide AT&T with the agreed-upon control reports as part of this test.

9.2 Operational Test

The purpose of this test is to ensure that volumes of usage in consecutive sequence can be extracted, distributed, and processed by GTE and AT&T.

GTE is required to provide AT&T with GTE recorded, unrated usage (as defined in Section 2) for a minimum of five (5) consecutive days. AT&T will provide GTE with the message validation reports associated with test usage.

AT&T will rate and process the unrated intraLATA toll and local usage. AT&T will process this data to test bills. AT&T may request that the test usage contain specific usage volumes and characteristics to ensure a complete test.

Specific usage volumes and characteristics will be discussed during detailed negotiations.

9.3 Test File

Test data should be transported via CONNECT:Direct whenever possible. In the event that courier service must be used to transport test media, the physical tape characteristics to be used are described in Subappendix A hereto.

SECTION VI: POST DEPLOYMENT ACTIVITIES

General

Requirements for ongoing maintenance of the usage feeds between AT&T and GTE are described in this section. Included are minimal requirements for day to day control of the regularly scheduled transfer of GTE unrated and rated usage data and procedures for introducing and verifying AT&T/GTE System Changes.

9.1 Control Maintenance And Review

9.1.1 Periodic Review

Control procedures for all usage transferred between GTE and AT&T will require periodic review. This review may be included as part of an annual audit of GTE by AT&T or as part of the normal production interface management function. Breakdowns which impact the flow of usage between GTE and AT&T must be identified and jointly resolved as they occur. The resolution may include changes to control procedures, as similar problems would be avoided in the future. Any changes to control procedures would need to be mutually agreed upon by AT&T and GTE.

9.1.2 Retention of Records

Data back-up will be retained for forty-five (45) days. GTE shall maintain a machine readable back-up copy of the message detail provided to AT&T for a minimum of forty-five (45) calendar days. AT&T will maintain the message detail received from GTE for a minimum period of forty-five (45) calendar days. Designated AT&T personnel will provide these records to GTE or its authorized agents upon written request. GTE will also provide any data back to AT&T upon their written request.

9.2 GTE Software Changes

When GTE plans to introduce any software changes which impact the format or content structure of the usage data feed to AT&T, designated GTE personnel will notify AT&T no less than one hundred twenty (120) calendar days before such changes are implemented.

GTE will communicate the projected changes to the appropriate groups in AT&T so that potential impacts on AT&T processing can be determined.

AT&T personnel will review the impact of the change on the entire control structure as described in Section 1.5, Post Conversion Test Plan, herein. AT&T will negotiate any perceived problems with GTE and will arrange to have the data tested utilizing the modified software.

If it is necessary for GTE to request changes in the schedule, content or format of usage data transmitted to AT&T, GTE will notify AT&T.

9.3 AT&T Requested Changes

If it is necessary for AT&T to request changes in the schedule, content, or format of the usage data transmitted from GTE, AT&T will notify GTE.

When the negotiated changes are to be implemented, AT&T and/or GTE will arrange for testing of the modified data as described in Section 1.5, Post Conversion Test Plan.

9.4 AT&T Software Changes

When AT&T plans to introduce any software changes which may impact the format or content structure of the usage data transmitted from GTE, AT&T will notify the designated GTE personnel, no less than one hundred twenty (120) calendar days before such changes are implemented.

The AT&T contact will communicate the projected changes to the appropriate groups in GTE so that potential impacts on GTE processing can be determined.

AT&T will negotiate any perceived problems with GTE and will arrange to have the data tested utilizing the modified software.

Altering the one hundred twenty (120) day window for introducing software changes can be negotiated by both companies, dependent upon the scope and impact of the change.

9.5

Post-Conversion Test Plan

The test plan described below is designed to encompass all types of changes to the usage data transferred by GTE to AT&T and the methods of transmission for that data.

9.5.1 GTE System Change Description

For a GTE system change, GTE shall provide AT&T with an overall description of the change, stating the objective and a brief explanation of the reasons for the change.

During the initial negotiations regarding the change, GTE shall provide a list of the specific records and/or systems impacted by the change to designated AT&T personnel.

Finally, GTE shall also provide AT&T a detailed description of the changes to be implemented. It shall include sufficient detail for designated AT&T personnel to analyze and estimate the effects of the changes and to design tests to verify the accuracy of the implementation.

9.5.2 Change Negotiations

GTE and AT&T will provide mutual written change notifications. AT&T shall be notified in writing of all proposed change negotiations initiated by GTE. In turn, AT&T will notify GTE of proposed change negotiations initiated by AT&T.

After formal notification of planned changes, whether originated by GTE or AT&T, designated AT&T personnel will schedule negotiation meetings as required with designated GTE personnel. The first meeting should produce the overall change description (if not previously furnished) and the list of records and/or systems affected.

In subsequent meetings, GTE shall provide the detailed description of changes to be implemented. After reviewing the described changes, designated AT&T personnel will negotiate a detailed test procedure with GTE.

9.5.3 Control Change Analysis

Based on the detailed description of the changes provided by GTE, and the review of the projected changes by AT&T, designated AT&T personnel will:

9.5.3.1 Determine the impact of the changes on the overall structure.

- 9.5.3.2 Determine whether any single change has a potential control impact (i.e., high error rate on individual records that might result in pack rejection).
- 9.5.3.3 Determine whether any controls might be adversely affected.
- 9.5.3.4 Arrange for appropriate control structure changes to meet any of the above conditions.

9.5.4 Verification Of Changes

Based on the detailed description of changes furnished by GTE, designated AT&T personnel will:

- 9.5.4.1 Determine the type of change(s) to be implemented.
- 9.5.4.2 Develop a comprehensive test plan.
- 9.5.4.3 Negotiate scheduling and transfer of modified data with GTE.
- 9.5.4.4 Negotiate testing of modified data with the appropriate AT&T rpc.
- 9.5.4.5 Negotiate processing of verified data through the AT&T billing system with the rpc.
- 9.5.4.6 Arrange for review and verification of testing with appropriate AT&T groups.
- 9.5.4.7 Arrange for review of modified controls, if applicable.

9.5.5 Introduction of Changes

When all the testing requirements have been met and the results reviewed and accepted, designated AT&T personnel will:

- 9.5.5.1 Negotiate an implementation schedule.
- 9.5.5.2 Verify the existence of a contingency plan with the appropriate AT&T personnel.
- 9.5.5.3 Arrange for the follow-up review of changes with appropriate AT&T personnel.
- 9.5.5.4 Arrange for appropriate changes in control program, if applicable.
- 9.5.5.5 Arrange for long-term functional review of impact of changes on the AT&T billing system, i.e., accuracy, timeliness, and completeness.

SECTION VII: SUBAPPENDICES

SUMMARY OF SUBAPPENDICES

Subappendix A

Physical Characteristics Of Data Tapes/
Cartridges

Subappendix B

Message Validation Pack Reject Report (A7287)

Subappendix C

Message Validation Pack Accepted Report (A7288)

Subappendix D

Message Validation EMR Detail Error Report (A7289)

Subappendix E

Special Features Star Services

SUBAPPENDIX A

PHYSICAL CHARACTERISTICS OF DATA TAPES/CARTRIDGES

Data transported to AT&T by GTE, or to GTE by AT&T, on tape or cartridge via a courier will have the following physical characteristics:

Tape:	9-track, 6250 (or 1600) BPI (Bytes per inch)
Cartridge:	38,000 BPI (Bytes per inch)
LRECL:	2,472 Bytes
Parity:	Odd
Character Set:	Extended Binary Coded Decimal Interchange Code (EBCDIC)
External labels:	Exchange Carrier Name, Dataset Name (DSN) and volume serial number
Internal labels:	IBM Industry OS labels will be used. They consist of a single volume label and two sets of header and trailer labels.
One file per sending with variable length records	104 bytes EMR compacted format plus location modules as applicable.

SUBAPPENDIX B

MESSAGE VALIDATION PACK REJECT REPORT (A7287)

MM/DD/YY
HH:MM:SS

RETEN CODE:
01R-00300

--

COMPANY XXX REMOTE ID 9999X FROM BSID
999

HEADER RECORD ID DATE CREATED INVOICE NUMBER BELL CO ID BELL RAO IX CARRIER IND CO ID
999999 99-99-99 99 99 999 999 9999

TOTAL REC.
TRAILER RECORD ID DATE CREATED INVOICE NUMBER BELL CO ID BELL RAO IX CARRIER IND CO ID
COUNT
999999 99-99-99 99 99 999 999 9999
99,999

ERRORS ERROR CODE ERROR MESSAGE

EC99.9
XXX
X

XXX
X

SUBAPPENDIX B (CONT'D)
MESSAGE VALIDATION PACK REJECT REPORT (A7287)

R R O R C O D E	ERROR MESSAGES
EC01.2	First record after trailer is not a Pack Header.
EC03.2	From RAO is not numeric.
EC04.3	Invoice number on header invalid.
EC04.5	Company ID not numeric.
EC04.6	Independent company ID is not numeric.
EC04.7	Header Record ID is invalid.
EC04.8	Trailer Record ID is invalid.
EC04.9	Trailer Record count invalid.
EC05.0	Duplicate pack.
EC05.1	Old Pack.
EC05.2	RAO not found on table.
EC07.3	Error rate greater than invoice file threshold for RAO invoice number.
EC12.0	Remote ID in Dataset is not valid.
EC20.0	No detail records in pack.
EC13.0	Invalid status on Pack Header.
EC27.0	Pack exceeds limit of 9,999 detail records.
EC40.9	Pack Header record is missing.
EC41.0	Trailer record is missing.
EC42.0	Trailer message volume is not equal to

	accumulated message volume.
EC44.0	Header/Trailer date is invalid.
EC45.0	From RAO on Trailer Record is not equal to the from RAO on Header Record.
EC48.0	Invoice number on Trailer Record is not equal to the invoice number on the Header Record.

SUBAPPENDIX C - MESSAGE VALIDATION PACK ACCEPTED REPORT (A7288)

MM/DD/YY-----HH:MM:SS
 RETEN CODE: 01R-00300

COMPANY XX					FROM RAO	INVOICE NO.	DATE CREATED			
TOTAL RECORDS RECEIVED					999	99	MM/DD/YY			
-----ZZ.ZZ9										
RECORD COUNTS-----MESSAGE COUNTS -----										
RECORD ID	TYPE OF RECORD				VALID	REJECTED	DROPPED	TOTAL	VALID	REJECTED
-DROPPED---TOTAL										
010102	OUTWATS (NON-SMDR)				ZZ.ZZ9	ZZ.ZZ9		ZZ.ZZ9		
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9					
010103	OUTWATS (SMDR)				ZZ.ZZ9	ZZ.ZZ9		ZZ.ZZ9		
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9					
010104	800 SERVICE				ZZ.ZZ9	ZZ.ZZ9		ZZ.ZZ9		
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9					
TOTAL WATS/800										
010101	MTS				ZZ.ZZ9	ZZ.ZZ9		ZZ.ZZ9		
ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9					
010106	NON-DIAL CONFER BRIDGE				ZZ.ZZ9	ZZ.ZZ9		ZZ.ZZ9		
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9					
010107	NON-DIAL CONFER LEG RECORD				ZZ.ZZ9	ZZ.ZZ9		ZZ.ZZ9		
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9					
010108	DIAL CONFERENCE BRIDGE				ZZ.ZZ9	ZZ.ZZ9		ZZ.ZZ9		
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9					
010111	ALLIANCE (AGTC)				ZZ.ZZ9	ZZ.ZZ9		ZZ.ZZ9		
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9					

010116					DIAL-IT SERVICE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
010132					DIRECTORY ASSISTANCE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
010180					MARINE/AIRCRAFT	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
010181					RADIO LINK	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
010182					MARINE NON-DIAL CONFER BRIDGE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
010183					MARINE NON-DIAL CONFER LEG REC.	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
0101XX					OTHER MTS RECORDS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
TOTAL NORTH AMERICAN MTS								
010201					IOTC/IDDD MTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
0102XX					IOTC/IDDD OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
010301					IOTC BFC MTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
0103XX					IOTC BFC OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
010401					IOC MTS	ZZ.ZZ9	ZZ.ZZ9	
	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9		
0104XX					IOC OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
010501					IOC MTS	ZZ.ZZ9	ZZ.ZZ9	
	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9		
0105XX					IOC OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			

TOTAL OVERSEAS MTS

015002				OUTWATS LINE SUMMARY	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9		
015004				800 LINE SUMMARY	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9		
015032				DIR. ASSISTANCE LINE SUMMARY	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9		
TOTAL OVERSEAS MTS							
03XXXX				CREDIT REQUESTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9		
51/52				CANCEL REQUESTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9		
71/72				CORRECTION REQUESTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9		
INVALID RECORD IDENTIFICATION						ZZ.ZZZ9	ZZ.ZZZ9
ZZ.ZZZ9							
PACK TOTALS			ZZ.ZZ9	ZZ.ZZ9ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9

SUBAPPENDIX D

PAPER COPY OF A REPORT TO BE INCLUDED WITH DISTRIBUTION

SUBAPPENDIX E
SPECIAL FEATURES STAR SERVICES

The following are STAR Services supported by these Local Resale requirements to date. When identified, additional services can be negotiated to be included in this Resale offer.

- 1) Busy Redial/.....
Last Number Redial This feature allows a customer to redial a number when a Busy signal is encountered.
- 2) Call Return/Missed Call Dialing..... This feature allows a customer to automatically return the most recent incoming call, even if it is not answered.
- 3) Call Trace This feature allows the tracing of nuisance calls.
- 4) Automatic Redial..... This feature allows a customer to automatically redial the last number dialed.

To provide for the transfer and billing of these features the following requirements apply:

For all "per use" STAR Features the 'Miscellaneous Charge Line Summary Non-Detail Charge' 425001 record should be used and be populated as follows:

TEXT TIME	POSITIONS 55 - 60	MUST BE POPULATED
MISCELLANEOUS TEXT CODE	POSITIONS 168 - 172	1) BUSY REDIAL/LAST NUMBER REDIAL POPULATE WITH '00001'
MISCELLANEOUS *TEXT CODE	POSITIONS 168 - 172	2) CALL RETURN/LAST NUMBER REDIAL POPULATE WITH '00002'
MISCELLANEOUS TEXT CODE	POSITIONS 168 - 172	3) CALL TRACE POPULATE WITH '00003'
MISCELLANEOUS TEXT CODE	POSITIONS 168-172	4) 3-WAY CALLING POPULATE WITH '00004'
MISCELLANEOUS TEXT CODE	POSITIONS 168-172	5) AUTOMATIC REDIAL POPULATE WITH '00005'

NOTE: For fields not specifically defined, the standard EMR format for a 425001 record should be used.

APPENDIX II
TO
ATTACHMENT 7

LOCAL
ACCOUNT MAINTENANCE

LOCAL ACCOUNT MAINTENANCE REQUIREMENTS

1. GENERAL

In a Resale environment the goal is to enable AT&T to create an account maintenance structure congruent to GTE. In the current LEC environment, the LEC has access to all of the customer account data, network switch activity and current status, and new and existing customer account data. In order to obtain the data necessary to satisfy AT&T Local Account Maintenance requirements, GTE must support three key Local Account Maintenance requirements.

9.1 REQUIREMENT #1 - LSP Change Notification Feed

Situation: A Customer initiates a change from AT&T to another LSP by contacting the New LSP. (LSP Change Notification Feed)

GTE shall issue and provide to AT&T at the end of each business day a service activation report in an electronic format reflecting change activity occurring on the previous day.

Create an end-of-day LSP Change Notification Feed:

Purpose: To convey to AT&T that a customer has left the LSP and moved to a new LSP. The new LSP could either be another Reseller, GTE or Facilities based provider.

Data Delivery Schedule: Five days a week, volumes fluctuating with change activity.

Data Transfer Requirements: Batch feed, sent end-of-day, via Connect/Direct NDM sent within 24 hours of the switch being provisioned.

AT&T Data Center Receiving NODE: NDMATTA1

Dataset Name: TMCD.LOCAL.LSPOUT.(+1) = Generation dataset

9.1 REQUIREMENT #2 - LSP SERVICE ORDER PIC ONLY CHANGE PROCESS

Situation: Customer has AT&T for Local Service and contacts AT&T requesting a change of PIC only from one LD Carrier to another.

AT&T Local Process: LD PIC Changes will be accepted by AT&T. AT&T will enter the PIC Change into the service order system, and will generate an LD PIC Change Order which will be sent to GTE for provisioning.

SWP Requirement: Accept a PIC Only Change for an existing AT&T customer via the current Service Order feed. Provision the network, and convey the confirmation of the PIC Only order via the current Work Order Completion feed.

9.2 REQUIREMENT #3 - IXC PIC CHANGE PROCESS

Situation: Customer has AT&T and contacts a New IXC to change PIC to new LD Carrier.

Upon receipt of an IXC-initiated '01' PIC order on a Resold line:

- GTE will reject the '01' order. Create the appropriate Industry Standard '3148', with the Local Service Provider ID of the Reseller and send the reject to the originating IXC. The reject must be returned within one business day.

NOTE: If GTE refuses to provide the Local Service Provider ID the record can be rejected with the Industry Standard transaction code '3147'.

9.3 PIC Restricted

In order for GTE to appropriately reject an IXC initiated "01" PIC Order on an AT&T WTN, GTE must implement a specific up-front edit. Do not apply a 'PIC Freeze' or a 'PIC Restriction'.

If the submitted WTN is a resold line assigned to AT&T (LSP ID 7421), reject the "01" PIC order with TCSI 3148. Populate LSP ID 7421 in the CARE record and return to the submitting IXC. If GTE were to reject the order for the reason of "restricted PIC" rather than "resold line," the submitting IXC would not know the line was resold. This would further delay the IXC's attempt to provision the line with the correct LSP.

The above edit process has nothing to do with "PIC Restriction." It is not AT&T's intent to provide GTE with end user PIC Restriction information since an end user's request for PIC restriction will be resident only on AT&T data bases. IXC initiated PIC orders received by AT&T will be edited for restricted PIC and returned to the submitting IXC with the appropriate reject TCSI if the WTN is found to be restricted.

GLOSSARY OF TERMS

<u>Acronym</u>	<u>Definition</u>
ALEC	Alternate Local Exchange Carrier
CARE	Customer Account Record Exchange
CTI	Customer Type Indicator
Incumbent LEC	Incumbent Local Exchange Company
ISI	Industry Support Interface
IXC	Interexchange Carrier
LAM	Local Account Maintenance
LD	Long Distance
LEC	Local Exchange Company
LERG	Local Exchange Routing Guide
LSP	Local Service Provider
NDM	Network Data Mover
OCN	Operating Company Number
OUTPLOC	LSP CHANGE NOTIFICATION
PIC	Primary Interexchange Carrier
PLOC	Primary Local Operating Carrier
S/O	Service Order

SWP

Switch Provider

WTN

Working Telephone Number