6.1.1 **Partial Loss** - RLEC 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, RLEC 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. RLEC 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.

Exceptions:

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), RLEC shall use volumes from the two (2) preceding Sundays.

6.1.3.3 If the loss occurs on Mother's Day or Christmas, RLEC 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 RLEC to AT&T. RLEC shall reprovide such data, if available, at no additional charge to AT&T.

7. **Charges**

7.1 RLEC shall bill and AT&T shall pay the charges set forth in Part 4 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 the RLEC, and, as appropriate, when AT&T purchases certain Unbundled Network Elements, RLEC shall provide AT&T with Local Account Maintenance as described herein. These procedures are in addition to Service Order procedures set forth in Part I and Attachment 4 to the Agreement.

8.2 When notified by a CLEC that an AT&T Customer has switched to CLEC service, the RLEC shall provision the change, and notify AT&T via CONNECT:Direct within twenty-four (24) hours of the provisioning that the customer has changed to another service provider ("OUTPLOC").

8.3 When notified by AT&T that a customer has changed his/her PIC only from one interexchange carrier to another carrier, the RLEC shall provision the PIC only change.

8.4 If notified by an interexchange carrier using an '01' PIC order record that an AT&T Customer has changed his/her PIC only, the RLEC will reject the order and notify that interexchange carrier using an

industry standard '3148' record with the Operating Company Number of the serving CLEC indicated, that an '01' CARE PIC record should be sent to the serving CLEC for processing.

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 another 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 execution 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, the RLEC will implement an interim arrangement with AT&T.

APPENDIX I

DMOQ'S FOR
PROVISION OF CUSTOMER USAGE DATA

1. **Switched Services**

The RLEC will provide all Recorded Usage Information detail in an accurate timely manner. The format and content is described in the current Bellcore EXCHANGE MESSAGE RECORD (EMR) document.

2. **File Transfer**

The RLEC will initiate and transmit all files error free and without loss of signal.

Metric:

$$\frac{\text{Number of FILES Received}}{\text{Number of FILES Sent}} \times 100$$

Notes: All measurement will be on a rolling period.

Measurement:

Rating	Criteria
Exceeds Expectations	6+ months of file transfers without a failure.
Meets Expectations	6 months of file transfers without a failure.
Does Not Meet Expectations	< 6 months of file transfers without error.

** During the first six (6) months, no rating will be applied.

3. **Timeliness** The RLEC will mechanically transmit, via CONNECT:Direct, all usage records to AT&T's Message Processing Center three (3) times a day.

Measurement:

Rating	Criteria
Exceeds Expectations	≥ 99.95% records delivered on the day the call was recorded
Meets Expectations	99.94% of all messages delivered on the day the call was recorded
Approaches Expectations	99.94% of all messages delivered within 12 hours of the day the call was recorded
Does Not Meet Expectations	< 99.94% of all messages delivered within 12 hours of the day the call was recorded

4. **Completeness**

The RLEC will provide all required Recorded Usage Data and ensure that it is processed and transmitted within thirty (30) days of the message create date.

Metric:

Total number of Recorded Usage Data records delivered during current month

minus

Number of Usage Call Records held in error file at the end of the current month
---------- X 100
Total number of Recorded Usage Data Records delivered

Measurement:

Rating	Criteria
Exceeds Expectations	100% of recorded records delivered
Meets Expectations	≥99.99% of all recorded records delivered
Approaches Expectations	99.95% to 99.98% of recorded records delivered
Does Not Meet Expectations	≤ 99.94% of all recorded records delivered

Note: Failure of a RLEC to transmit to AT&T 100% of all recorded messages shall result in a liability by the RLEC to AT&T for the lost revenue.

5. **ACCURACY**

The RLEC will provide Recorded Usage Data in the format and with the content as defined in the current Bellcore EMR document.

Metric:

$$\frac{\text{Total Number of Recorded Usage Data Transmitted Correctly}}{\text{Total Number of Recorded Usage Data Transmitted}} \times 100$$

Measurement:

Rating	Criteria
Exceeds Expectations	100% of recorded records delivered
Meets Expectations	≥99.99% of all recorded records delivered
Approaches Expectations	99.95% to 99.98% of recorded records delivered
Does Not Meet Expectations	≤99.94% of all recorded records delivered

6. **DATA PACKS**

The RLEC will transmit to AT&T all packs error free in the format agreed.

Measurement:

Rating	Criteria
Exceeds Expectations	6+ months of Transmitted Packs without a rejected pack
Meets Expectations	6 months of Transmitted Packs without a rejected pack
Does Not Meet Expectations	1 Rejected Pack in a window of less than 3 months

** During the first six (6) months, No Rating will be applied.

Notes: All measurements will be on a Rolling Period.

7. **RECORDED USAGE DATA ACCURACY**

The RLEC will ensure that the Recorded Usage Data is transmitted to AT&T error free, the level of detail includes, but is not limited to: detail required to Rating the call, Duration, and Correct Originating/Terminating information. The error is reported to the RLEC as a Modification Request (MR). Performance is to be measured at 2 levels defined below. AT&T will identify the priority of the MR at the time of hand off as Severity 1 or Severity 2. The following are AT&T expectations of the RLEC for each:

Measurement:

Severity 1:

Rating	Criteria
Exceeds Expectations	100% of the MR fixed in ≤ 24 hours
Meets Expectations	≥ 90% of the MR fixed in ≤ 24 hours and 100% of the MR fixed in ≤ 5 Days
Does Not Meet Expectations	< 90% of the MR fixed in ≤ 24 hours or < 100% of the MR fixed in < 5 Days

Severity 2:

Rating	Criteria
Exceeds Expectations	100% of the MR fixed in ≤ 3 working Days

Meets Expectations	≥ 90% of the MR fixed in 3 Days and 100% of the MR fixed in ≤ 10 Days
Does Not Meet Expectations	< 90% of the MR fixed in ≤ 3 Days or < 100% of the MR fixed in < 10 Days

8. **USAGE INQUIRY RESPONSIVENESS**

The RLEC will respond to all usage inquiries with twenty-four (24) hours of AT&T's request for information. It is AT&T's expectation to receive continuous status reports until the request for information is satisfied.

Measurements:

Rating	Criteria
Meets Expectations	100% of the Inquiries responded to within 24 hours
Does Not Meet Expectations	≤ 99.99% of the Inquiries responded to within 24 hours

9. **DEDICATED SERVICES**

Since dedicated services have no unique billing requirements for local service at this time, this is reserved for future use.

APPENDIX II

CUSTOMER USAGE DATA

TRANSFER REQUIREMENTS

MARCH 1996

SECTION I

SCOPE

1. GENERAL

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

1.1 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 RLEC:

Header Record	20-20-01
Trailer Record	20-20-02
Detail Records*	01-01-01,06,07,08,09,16,18,31,32,33,35,37,80,81,82,83
	10-01-01,06,07,08,09,16,18,31,32,35,37,80,81,82,83
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, the RLEC 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 the RLEC's offering. For detailed information regarding EMR, refer to the current version of the BellCore Practice BR010-200-010 Appendix.

2. APPENDIX CONTENT

This Appendix describes baseline requirements for the transfer of RLEC 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 the

RLEC. Modifications and/or exceptions to this Appendix must be negotiated and mutually agreed upon by the RLEC and AT&T.

SECTION II

RECORDED USAGE TO BE TRANSMITTED TO AT&T

1. GENERAL

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

1.1 USAGE TO BE TRANSFERRED TO AT&T

1.1.1 AT&T USAGE TO BE TRANSFERRED

The following messages recorded by the RLEC are to be transmitted to AT&T.
The RLEC 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 the RLEC via a direct returns feed. Returned messages will be sent to the RLEC in EMR format. Standard EMR return codes will be utilized.

File transfer specifications are included within Section 3.

1.2 AT&T USAGE

The Recorded Usage Data in a local resale environment includes all intraLATA toll and local usage. The RLEC 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 the RLEC 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: The RLEC messages will be packed using the packing criteria outlined in Section 3.4.8. It is important to note that all RLEC 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

RLEC TO AT&T USAGE FEED

1. General

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

1.1 Detailed EMR Record Edits

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

1.2 Duplicate Record Checks

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

1.3 RLEC to AT&T Usage Feed

1.3.1 **Usage Data Transport Requirements**

The RLEC will provide the transport facility between the RLEC 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, the RLEC will contract for a courier service to transport the data via tape.

The RLEC 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 the RLEC.
- Receiving usage tapes from a courier service in the event of a facility outage.

1.3.2 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.

1.3.3 Data Delivery Schedules

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

1.3.4 Resending Data

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

1.3.5 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 the RLEC and retransmitted to AT&T by the RLEC.

1.3.6 Held Packs And Messages

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

1.3.7 Data Content Requirements

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

1.3.8 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. The RLEC 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. the RLEC will populate the FROM RAO field with the unique numeric value identifying the location that is sending the data to AT&T. The RLEC 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.
AT&T has no special sort requirements for the packs sent by the RLEC.

1.3.9 Dataset Naming Convention

The RLEC 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 1BB03PXNN*
NODE 2.1BMUP
NODE 3 (To be determined during negotiations)
NODE 4.USAGE

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

1.3.10 Control Reports

AT&T accepts input data provided by the RLEC 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 the RLEC to AT&T, data transfer control reports will be required. These reports shall be provided by AT&T to the RLEC on a daily or otherwise negotiated basis and reflect the results of the processing for each pack transmitted by the RLEC.

1.3.11 Message Validation Reports

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

1.3.11.1 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.

1.3.11.2 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 Message
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 the RLEC.

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

1.3.11.3 Message Validation 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.

1.3.11.4 **Control Reports - Distribution**
Since the RLEC is not receiving control reports, dataset names will be established during detailed negotiations.

SECTION IV
AT&T PROCESSING REQUIREMENTS

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

1.1 **AT&T Rating Process**

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

1.1.2 **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 the RLEC.

1.1.3 **Duplicate Message**

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 the RLEC duplicate message disposition procedures and reports will be identified by AT&T during negotiations.

1.1.4 **Record Edits**

1.1.4.1 **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 the RLEC.

1.1.4.2 **RLEC Record Edits**

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

Rated and unrated records that do not pass AT&T edits will be returned to the RLEC. The RLEC will attempt to perform error correction on all records requiring such action as agreed upon through the detailed negotiations process.

1.1.5 **AT&T to RLEC Message Returns**

At the discretion of AT&T, messages that have been sent to AT&T by the RLEC that cannot be guided to an AT&T billed account or error in processing will be returned to the RLEC with the appropriate negotiated return codes.

1.1.6 **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

1. **General**

This section defines the RLEC 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.

1.1 **Interface Testing**

The purpose of this test is to ensure that the usage described in Section II preceding can be sent by the RLEC to AT&T and can be accepted and processed by AT&T. The RLEC 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 the RLEC in writing whether the format is acceptable. AT&T will also provide RLEC with the agreed-upon control reports as part of this test.

1.2 **Operational Test**

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

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

1.3 **Test File Transport**

Test data should be transported via CONNECT:Direct whenever possible. In the vent 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

1. **General**

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

1.1 **Control Maintenance and Review**

1.1.1 **Periodic Review**

Control procedures for all usage transferred between the RLEC and AT&T will require periodic review. This review may be included as part of an annual audit of the RLEC by AT&T or as part of the normal production interface management function. Breakdowns which impact the flow of usage between the RLEC 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 the RLEC.

1.1.2 **Retention of Records**

The RLEC 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 the RLEC for a minimum period of forty-five (45) calendar days. Designated AT&T personnel will provide these records to the RLEC or its authorized agents upon written request. The RLEC will also provide any data back to AT&T upon their written request.

1.2 **RLEC Software Changes**

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

The RLEC 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 the RLEC and will arrange to have data tested utilizing the modified software.

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

1.3 **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 the RLEC, AT&T will notify the RLEC.

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

1.4 **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 the RLEC, AT&T will notify the designated RLEC personnel, no less than one hundred twenty (120) days before such changes are implemented.

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

AT&T will negotiate any perceived problems with the RLEC 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.

1.5 **Post-Conversion Test Plan**

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

1.5.1 **RLEC System Change Description**

For a RLEC system change, the RLEC 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, the RLEC shall provide a list of the specific records and/or systems impacted by the change to designated AT&T personnel.

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

1.5.2 **Change Negotiations**

AT&T shall be notified in writing of all proposed negotiations initiated by the RLEC. Inturn, AT&T will notify the RLEC of proposed change negotiations initiated by AT&T.

After formal notification of planned changes, whether originated by the RLEC or AT&T, designated AT&T personnel will schedule negotiation meetings as required with designated RLEC 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, the RLEC 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 the RLEC.

1.5.3 **Control Change Analysis**
Based on the detailed description of the changes provided by the RLEC, and the review of the projected changes by AT&T, designated AT&T personnel will:

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

1.5.3.2 Determine whether any single change has a potential control impact (i.e., high error rate on individual records that might result in pack rejection).

1.5.3.3 Determine whether any controls might be adversely affected.

1.5.3.4 Arrange for appropriate control structure changes to meet any of the above conditions.

1.5.4 **Verification of Changes**
Based on the detailed description of changes furnished by the RLEC designated AT&T personnel will:

1.5.4.1 Determine the type of change(s) to be implemented.

1.5.4.2 Develop a comprehensive test plan.

1.5.4.3 Negotiate scheduling and transfer of modified data with the RLEC.

1.5.4.4 Negotiate testing of modified data with the appropriate AT&T RPC.

1.5.4.5 Negotiate processing or verified data through the AT&T billing system with the RPC.

1.5.4.6 Arrange for review and verification of testing with appropriate AT&T groups.

1.5.4.7 Arrange for review of modified controls, if applicable.

1.5.5 **Introduction of Changes**

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

1.5.5.1 Negotiate an implementation schedule.

1.5.5.2 Verify the existence of a contingency plan with the appropriate AT&T personnel.

1.5.5.3 Arrange for the follow-up review of changes with appropriate AT&T T personnel

1.5.5.4 Arrange for appropriate changes in control program, if applicable.

1.5.5.5 Arrange for long-term functional review of impact of changes on the AT&T billing system, i.e., accuracy, timeliness, and completeness.

SECTION VII
APPENDICES

Subappendix A

Physical Characteristics of Data Tapes/Cartridges

Subappendix B

Compaction Requirements

Subappendix C

Message Validation Pack Reject Report (A7287)

Subappendix D

Message Validation Pack Accepted Report (A7288)

Subappendix E

Message Validation EMR Detail Error Report (A7289)

Subappendix F

Special Features Star Services

SUBAPPENDIX A

PHYSICAL CHARACTERISTICS OF DATA TAPES/CARTRIDGES

Data transported to AT&T by the RLEC, or to the RLEC 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)	
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 volume label and two sets of header and trailer labels.	single
One file per sending location with variable length records	104 bytes EMR compacted format plus modules as applicable.	

SUBAPPENDIX B

COMPACTION REQUIREMENTS

COMPACTION FORMAT: Pack Header and Trailer Records

EMR Positions	Compacted Positions	Bytes	Usage*	Description Category & Group
1-4	1-2	2	B	Filler
5-11	3-6	4	B	Filler
12-18	7-10	4	B	Filler
19-25	11-14	4	B	Filler
26-32	15-21	7	AN	Filler
33-39	22-28	7	AN	Filler
40-46	29-35	7	AN	Filler
47-53	36-42	7	AN	Filler
54-60	43-49	7	AN	Filler
61-68	50-57	8	AN	Filler
69-77	58-61	4	B	Filler
78-86	62-65	4	B	Filler
87-95	66-69	4	B	Filler
96-104	70-73	4	B	Filler
105-113	74-77	4	B	Filler
114-122	78-81	4	B	Filler
123-127	82-85	4	B	Filler
128-141	86-104	19	AN	
142-175	Truncated for Transmission			