Re: Telephone Call to D. W. McLeod by R. H. Shurter (214-718-6330)
Date: July 9, 1996

I called Don to inquire what suggestions he would have on how we might start working price negotiations. We have sent them our comprehensive proposal and have not heard back. Given we had the Executive Summit scheduled for July 17, 18 and 19, I wanted to make sure we could address pricing.

Don stated that GTE couldn't agree to the TSR percent discount in our proposal and that they did not agree with the Hatfield model as a basis for TSLRIC pricing. I suggested that we need to look to where each party might begin to change their position.

I went on to explain to Don, that if GTE was prepared to negotiate and move to a negotiated price agreement, AT&T would be very responsive. I explained that we liked the structure for TSR of a baseline %, plus volume discount, plus percent for operational inefficiency. Don said he was open to volume discounts as an idea but not operational inefficiencies. I mentioned that AT&T was willing to move off the LSR total percent discount noted in our proposal and that we might find another way to care for operational inefficiencies than including it in the % LSR discount. In addition, I explained that we needed to better understand GTE's "TSLRIC" pricing model and requested they bring such data to the summit. I added that, AT&T might be open to a premium added to "TSLRIC" once we had a better understanding of how GTE developed their costs. Don said he would try to get AT&T the "TSLRIC" cost data. I suggested that Don might want to think about our conversation and call me on Monday with any additional ideas he had on how we might move the pricing discussion forward. Don thanked me for calling.

AH.



Joyce Beasley General Attorney

July 11, 1996

Room 3258D2 295 North Maple Avenue Basking Ridge, NJ 07920 908 221-6502 FAX 908 953-8360

Connie E. Nicholas GTE Telephone Operations HQEO3J28 600 Hidden Ridge Irving, Texas 75015-2092

Dear Connie:

It's critically important, as we prepare for next week's negotiation sessions, that we clear up some outstanding matters. You and I discussed these matters —involving cost studies and "change as is"— over a week ago, on July 1.

At that time you undertook to send to me the unbundled network elements cost studies that GTE performed for California, for Hawaii, and for Florida. I requested also at that time that you send any other or additional information or studies GTE might have for unbundled elements, including loops, for Texas. I understood that all of this material would be furnished either last week or early this week. In any event, this material is essential in our preparations for the cost/price negotiations scheduled for next week.

Don McLeod, Reed Harrison, Ron Shurter and other Executive Team members emphasized the importance they attach to those imminent cost/price negotiations, and reiterated their individual and collective desire to achieve agreement on these enabling cost/price issues—notwithstanding that our respective proposals are far apart at present. Our ability to review GTE cost data can only assist our understanding of your positions and move us closer toward potential agreement. Toward this end, I am requesting additional cost information, as set out in Exhibit A to this letter. We would appreciate that information for all GTE states, with our priority on California, Texas, Florida and Hawaii.

In the accompanying Exhibit A I have also included requests for information that will assist us and GTE in our further negotiation of issues relating to (i) the routing of operator and DA services; and (ii) dialing parity. On the former issue it will assist the negotiations if we can review and understand the arrangements GTE currently has with other companies regarding these services. In dialing parity, we have an issue that has not been finally resolved, especially as it relates to equal access and presubscription. Although GTE has filed implementation plans in a number of states, it is has not yet done so in a number of major jurisdictions, including Texas.

Accordingly, I have requested information in the format shown on Attachment 3 of the accompanying Exhibit A.

On the "change-as-is" matter, I had in our earlier discussions proposed to address GTE concerns by means of an indemnification of GTE against claims of misuse of CPNI in connection with its employment of the blanket letter of authorization procedure proposed by AT&T. I can now confirm this indemnification as a firm offer from AT&T, in the hope that it will bring us to closure on this issue. (You are of course aware of AT&T's conviction that our proposed procedures do not violate the CPNI provisions of the Act). I will proceed with revised language for our proposed blanket letter of agency, and have it ready for your review prior to our meeting of next week.

I will very much appreciate your immediate attention to the cost study and related information requests described above and in the accompanying Exhibit A.

I am faxing this letter, Exhibit A and Attachment 1 to you. Due to their length, attachments 2 and 3 are being forwarded to you with the original letter by overnight mail.

Very truly yours,

Joyce Beasley

cc: Pat Walsh Reed Harrison

Ron Shurter

ATET REQUEST TO GTE TO PROVIDE DATA

For each of the following data requests, provide state specific responses for all of the States currently noticed for negotiation unless otherwise indicated; if data has previously been provided please indicate the date, document, and addressee.

1. For each of the end-user services or service categories listed on Attachment 1, provide the most current GTE 'retail' TSLRIC (Total Service Long Run Incremental Cost) study and/or equivalent cost studies. If retail TSLRIC exchange cost studies are not available for one or more services, provide the most current GTE LRIC (Long Run Incremental Cost) studies for such services.

Provide non-recurring and recurring costs separately by rate element where available and by service option. Provide the requested information separately for residence and business services, where available. Business services costs should also be provided for Single-Line service, Multi-Line service, PBX Trunks, CentraNet elements, ISDN, Network Access Register Packages and Coin Telephone lines in a format similar to Attachment 1.

2. For each of the end-user services or service categories listed on Attachment 1, provide the most current GTE "wholesale" TSLRIC study and/or equivalent cost studies. If wholesale TSLRIC exchange cost studies are not available for one or more services, provide the most current GTE LRIC studies for such services.

Provide non-recurring and recurring costs separately by rate element where available and by service option. Provide the requested information separately for residence and business services where available. Business services costs should also be provided for Single-Line service, Multi-Line service, PBX Trunks, CentraNet elements, ISDN, Network Access Register Packages and Coin Telephone lines in a format similar to Attachment 1.

3. With respect to Local Services Resale, provide all the most current avoided cost studies, or any study that would support the "wholesale" discount on Local Services Resale. Provide all such studies on a state-specific basis. Include any studies supporting the GTE tariff filings providing for a 5% discount for resale of intraLATA services.

Provide recurring and non-recurring costs separately by element where available and by service option. Provide the requested information separately for residence and business services, where available. Business service costs should also be provided for Single-line service, Multi-line service, PBX Trunks, CentraNet elements, ISDN Network Access Register Packages and all types of Coin Telephone lines (including public and semipublic).

- 4. Provide all other cost studies on a state specific and service or element specific basis, including the following:
 - The CostMod System Loop Technology Model .
 - The CostMod System GTD5 EAX Switching Technology Module
 - Bellcore's SCIS Switching Application Module
 - The Levelized Annuity Pricing Program (LAPP)
 - Embedded Cost Studies that identify the "retail" and "wholesale" costs associated with providing each of the services listed on Attachment 1.

Provide recurring and non-recurring costs separately by element where available and by service option. Provide the requested information separately for residence and business services, where available. Business services costs should also be provided for Single-line service, Multi-line service, PBX Trunks, CentraNet elements, ISDN Network Access Register Packages and Coin Telephone lines in a format similar to Attachment 1.

- Provide the TSLRIC of providing switched and nonswitched (special) access service. If a TSLRIC study 5. is not available, provide the information based on available LRIC studies. This information should be provided separately for the following categories: (1) Local Switching, (2) Tandem Switching, (3) RIC, (4) DS1, (5) DS3. DS1 and DS3 costs should be provided on a per termination basis and on a per mile basis.
- Provide TSLRIC cost studies, if available, or LRIC costs studies if TSLRIC studies are not available, for 6. each of the following Unbundled Network Elements: (1) Network Interface Device, (2) Loop Distribution, (3) Loop Concentrator/Multiplexer, (4) Loop Feeder, (5) Loop Combination, (6) Local Switching, (7) Local Operator Services, (8) Local Directory Assistance, (9) Common Transport, (10) Dedicated Transport, (11) Digital Cross-Connect System, (12) Data Switching Element, (13) SS7 Message Transfer and Connection Control, (14) Signaling Link Transport, (15)

SCPs/Databases, (16) Tandem Switching, (17) Advanced Intelligent Network (AIN). (See Attachment 2 for definitions of Unbundled Network Elements).

- 7. Provide a copy of GTE's TSLRIC Cost Study supporting the Unbundled Element rates filed in Florida in Docket 950984-TP, and copies of any other TSLRIC Cost Studies filed in state proceedings regarding loops and/or unbundled rate elements.
- 8. Provide a detailed explanation of the methodologies and assumptions used in developing each of the studies provided in response to questions 1 through 7 above and all supporting documentation including workpapers and any other information or materials used in preparing the studies. Also specify the time periods covered by the studies and the sources of the information used in the studies and supporting the studies.
- Provide copies of any agreements between GTE and all Local Exchange Companies addressing routing of operator services and directory assistance.
- 10. Also provide copies of any agreements between GTE and any GTE subsidiaries addressing routing of operator services and directory assistance.
- 11. Provide the same information identified in Attachment 3 concerning the types of switching equipment serving all GTE end offices and access tandems for all states. Validate that the information related to Kentucky (attached) is still accurate.

For all switching equipment serving GTE end offices or access tandems, provide information concerning the current generic software including the current dot release (for example, 5E9.2 for 5ESS).

For each switch type, provide the average per switch usage of the switch resource used to retrieve routing information (for example, number of line class codes for the Lucent 5ESS, the number of line attributes for the Nortel switches, etc.).

On a per switch basis for each switch identified above, provide the average number of rate centers.

For the same end offices and access tandems, indicate any software or equipment upgrades that are planned through year end 1998.

Attachment 1 Company State

Exchange Telecommunications Services
By Element with References

1. Basic Flat Rate
2. Message Rate
3. Smart Call
4. Smart Call
5. Smart Ring
6. Remote Call Forwarding
7. Direct Disling Inward
8. WATS
9. Discount Toll Plans
10. CentraNet/Digital (ISDN)
11. Basic IntraLATA Toll
12. ISDN **EXCHANGE SERVICES** STUDY DATE Business TYPE OF STUDY (1) Residence SERVICE COST Business **PAGE REFERENCE (2)**

2 3

Provide the page references from the study for the Business and Residence costs.

TSLRIC, LRIC, Embedded, Other (specify study type, such as EDA)

Retail Costs
Wholesale Costs
(check one)

This section provides definitions of the unbundled elements and high level technical requirements for those elements. The primary focus of this section is on the elements which support current switched services. Brief treatment is given to elements which support special services (e.g., private lines) and data services (e.g., frame relay).

As services and technology evolve there will be a need for additional unbundled elements.

1. Network Interface Device

Definition:

The Network Interface (NI) is a termination device which typically resides outside a residential premises and establishes the official network demarcation point. The device features two independent chambers which separates the public network termination from the consumer's inside wiring. This device provides a protective ground connection, and is capable of terminating fiber, coax or twisted pair cable.

Illustrative Requirements:

- The Network Interface (NI) provided by the LEC must meet applicable industry standards for NI.
- . The LEC will be responsible for maintaining the NI device.

2. Loop Distribution

Definition:

The loop distribution is typically defined as the portion of the outside plant cable from the network interface (NI) at the customer's premises to the terminal block appearance on the distribution side of a feeder distribution interface (FDI). In case there is a distribution closure near the customer's premises, loop distribution consists of the drop between the distribution closure and the customer's NI and the twisted pair from the closure to the terminal block in the FDI unless a loop concentrator is located at the distribution closure, in which case distribution terminates at the concentrator/multiplexer. For a hybrid fiber-coax (HFC) application loop distribution consists of the outside plant cable connection that runs from the NI at the customer's premises to the fiber node termination, i.e. the point of multiplexing and optical to electrical conversion Typically, loop distribution is copper twisted pair, but can also be coax or fiber, or a combination of these.

Illustrative Requirements:

The loop distribution provided to AT&T customers should be at least at parity in terms of design and performance with those provided to the

1 AT&T Proprietary - Restricted

LEC's own customers. Specific requirements include, but are not limited to:

- A. Physical:
- Copper twisted pair facility, non-loaded for DLC and HFC based networks.
- Length of 26-gauge cable should not exceed 9Kft, including bridged tap.
- Total bridged tap length should not exceed 2.5Kft. No single tap should exceed 2.0Kft.
- Multigauge cable should be limited to 2 gauges.
- For single or multigauge cable consisting of 19, 22, or 24 gauge cable, the total length including bridged tap should not exceed 12Kft.

B. Transmission:

The maximum loss and resistance should be limited to 4.7dB and 750 ohms, respectively.

3. Loop Concentrator/Multiplexer

Definition

The digital loop carrier (DLC) equipment, fiber node termination (in HFC applications), channel bank, or similar equipment at which individual subscriber traffic is multiplexed/demultiplexed and/or concentrated/unconcentrated. On the customer end, derived pairs from the loop concentrator/multiplexer are typically terminated on the feeder side of the FDI distribution closure, or on the NI when the equipment is located at or within the customer's premises.

Illustrative Requirements:

The loop concentrator/multiplexer provided to AT&T customers should be at least at parity in terms of design and performance with that provided to the LEC's own customers. Specific requirements include:

A. Transmission:

- Voice Frequency: Support POTS (include. CLASS/LASS and OHT features), Coin, Multiparty, DID, PLAR, FSR, Manual Ring Down services.
- ISDN: Support basic rate ISDN service.
- DS1: Support DS1 low-speed interface that conforms to CB-119, ANSI T1.102-1993, and Bellcore TR-499 (B8ZS/AMI option).
- OC-3: Support OC-3 high-speed interface that conforms to ANSI T1.106-1988, T1.105-1991, and Bellcore TR-253.
- DS0 Digital Transport (2.4 through 64 Kb/s and Nx64), DS3.
 HDSL/ADSL.
- Point of Interface: Must support TR-303 DS1 interface to Local Digital Switch. Support of TR-08 modes 1 & 2 DS1 interfaces are optional. Also support Integrated Network Access (INA) DS1s for non-locally switched or non-switched special services.

B. Signaling:

- Line Signaling: Support Loop Start, Ground Start and Reverse Battery signaling for low-speed services.
- ISDN Signaling: Support signaling for basic rate ISDN service.
- Network Signaling: Support channel-associated or common-channel signaling based upon interface requirements of the local switch. TR-303 signaling format must be supported. TR-08 mode 162 signaling formats are optional.
- TimeSlot Management Channel (TMC): Support TMC for TR-303 configuration or assignment of switch and feeder DS0 capacity on a per-call basis.

C. Performance:

- Synchronization: Support Loop-timing (recovered clock from OC-3 STS1 or DS1), free-running and hold-over modes.
- Signal Performance: Bit Error Rate (BER) less than 10⁻⁹. for DS1 rate (excluding burst error seconds).
- Protection Switching: Automatic line switch initiated by signal fail and signal degrade conditions on received OC-3 signal. Automatic path switch initiated by STS1/VT1.5 path fail or path degrade conditions.
- Delay: The transmission delay between DS1 and OC-3 interfaces should be less than 50 microseconds.

D. Operations:

- Provisioning of analog and ISDN lines
- Semipermanent time slot assignment of ISDN D-channels using 4:1 TDM
- Semipermanent time slot assignment of dedicated DS0s for special services
- Capability for on-demand circuit testing of switched services
- Capability for on-demand path switching of Embedded Operations Channels (TR-303)
- Autonomous reporting of equipment, environmental, memory, data link and feeder alarms
- Capability for on-demand retrieval of DS1 and ISDN performance monitoring counts
- Provisioning of DS1 and ISDN performance monitoring thresholds
- Capability for on-demand loop-back testing for ISDN lines and DS1 feeder

4. Loop Feeder

Definition:

The medium on which subscriber traffic (multiplexed/concentrated or non-multiplexed/non-concentrated) is carried from the Main Distribution Frame (MDF) or DSX cross-connect panel in a central office or similar environment (e.g. closets in cases of remote sites, or head end in the case of HFC) to the loop concentrator/multiplexer (typically located at or near the feeder distribution interface or in

the case of HFC, at the fiber node interface), or the feeder distribution interface in the case of direct twisted pair loops. The medium of the feeder can be copper, coax or fiber, or a combination of these.

Illustrative Requirements:

The loop feeder provided to AT&T customers should be at least at parity in terms of design and performance with that provided to the LEC's own customers. Specific requirements include, but are not limited to:

- A. Physical (only one of the following for any application):
- Copper twisted pair feeder: Individual twisted pairs between the Feeder Distribution Interface (FDI) and the MDF in the LSO of POTS, data, private line and ISDN services.
- Metallic T1 feeder: Requires two conditioned pairs for each T1 line. The T1 lines terminate on DSX1 panels at each end. The function of the metallic T1 feeder is to transport a standard DS1 signal between a DLC remote terminal and the LSO.
- Fiber feeder: Single mode fiber pair terminated on Lightguide Cross-connects (LGX) panels at each end, with optional SONET OC-3/OC-12 shelves to perform O/E conversion and mux/demux functions. The function of the fiber feeder is to transport standard DS1/DS3 signals between a DLC remote terminal and the LSO.
- Hybrid fiber-coax feeder: A facility that combines a fiber connection from the LSO to a Fiber Node, for transport of voice, data, and video.
- B. Transmission:
 Maximum loop loss of 8dB (including loop distribution) for twisted pair feeder.
- C. Performance:
- Minimum signal-to-noise ratio of 35dB (measured at 1004 Hz).
- No echo cancelers are allowed.
- Maximum of 2 severely errored seconds (SES) per day.
- Maximum down time per year of 10 minutes per DS0.

5. Loop Combination

Definition:

A loop can be considered a combination of the network interface, loop distribution and loop feeder, with or without a loop concentrator/multiplexer. The entire loop is the medium on which subscriber traffic (multiplexed or non-multiplexed, concentrated or non-concentrated) is carried from the MDF or DSX panel in a central office or similar environment (including those at remote sites) up to the termination at the NI at the customer's premise.

Illustrative Requirements:

This combination is one example of how individual network elements can be put together to perform a higher level function. The loop provided to AT&T customers should be at least at parity in terms of design and performance with that provided to the LEC's own customers. In general, the requirements on the loop are a combination of the requirements on the separate loop elements: loop distribution, loop concentrator/multiplexer (if one exists in the loop), and loop feeder.

Note: While this and the previous sections focused on loops for switched services, unbundled loops will also be required for non-switched special services. This should include various options for customer premises to central office connectivity including, but not limited to Voice Frequency twisted pair loops, T-carrier systems, and SONET rings. It will also include for direct connection between customer premises without transiting a LEC central office.

6. Local Switching

Definition:

An element which provides the functionality required to connect the appropriate originating lines or trunks terminated on the Main Distributing Frame (MDF) or Digital Cross Connect (DSX) panel to a desired terminating line or trunk. This functionality includes, but may not be limited to: signaling, signaling software, digit reception, dialed number translations, routing and recording, call supervision, dial tone, switching, telephone numbers, announcements, calling features and capabilities (including call processing), Centrex, Carrier Pre-subscription (e.g. LD carrier, intralata toll), CIC code portability capabilities, testing and other operational features inherent to the switch and switch software. It also provides access to transport, signaling (ISUP and TCAP), and platforms such as adjuncts, Public Safety Systems (911), operator services, directory services and Advanced Intelligent Network as determined by AT&T. Remote Switching Module functionality is included in the switch The switch elements used will be based on the line side features they support. The switch will also be capable of routing traffic to LEC owned network elements as well as non-LEC owned elements.

Illustrative Requirements:

Requirements for the Local Switching Network Element include but are not limited to the following which will be provided at least at parity with the LEC:

- Screening and Routing: route calls to end points or platforms
 (e.g. operator services) on a per customer or per class basis.
- Provisioning: activate a new customer or network interconnection on any of the interfaces described below (Note: this list of interfaces is not intended to be all inclusive):

Lines:

Standard Tip/Ring

Coir

On-hook signaling (e.g. Calling Name Delivery)

BRI ISDN

TRO8 - Digital Loop Carrier

TR303- Digital Loop Carrier

Direct in Dial to customer PBXs

Trunks - Note: SS 7 where available, MF where appropriate:

64Kbs Clear Channel trunks using SS7 signaling

CAMA ANI - B911/E911

FG C - IEC Operator

T1 to PBX

PRI to PBX

DS 3

Feature Group B (950 access)

Switched Digital Service at 56 & 64 Kb/s

Future rates and interfaces as available (e.g. optical OC1, OC3)

Note: "Trunk" interfaces may include interfaces to a customer as well as interfaces to another switch.

- Testing: perform routing testing (e.g. MLT) and fault isolation.
- Maintenance: repair and restore to service a customer line, equipment element or other maintainable elements.
- Performance: request and review performance data regarding a customer line, traffic characteristics or other measurable elements.
- Network Management: control congestion points such as Radio Station call-ins, network routing overflow, etc.
- Manual and customer originated trace.
- Recording
- Essential Service Lines
- Telephone Service Prioritization
- Relay Services for the handicapped
- Soft dial tone where needed by law and other lifeline features.
- At least parity of offerings to customers to include, but not limited to:
- Residential Features
- CLASS/LASS
- Business/Centrex(for Centrex equivalent administrative capabilities)
- Basic and Primary Rate ISDN
- Advanced Intelligent Network Triggers supporting AIN features.
- Future telecommunications features to be introduced by the Incumbent LEC

7. Local Operator Services

Definition:

Those systems which provide for processing and recording of special call types which include toll calls, public telephone call types as well as other call types requiring operator intervention/assistance. Operator assistance call types would include BLV/EI (busy line verification/emergency interrupt), or provide an intercept functionality to those call types where the caller who dials a number that has been changed or disconnected.

Illustrative Requirements:

- Resale Operator Services from the LEC, branded AT&T utilizing ATET's rates for both Card and Operator services functions and providing at least at parity for services delivered.
- Resale of LEC's Operator Services Null-Branding and utilizing ATET's rates for both Card and Operator Services.
- Service deliverables to include the following:
 - 1. Local call completion O+ and O-, billed to Calling Cards, Collect, and Third Party
 - 2. Billable Time and Charges Etc.

NOTE:

The following is not acceptable to AT&T:

- Resale of LEC local operator service with LEC's branding and LEC's rates for Card and Operator Services.
- Resale of LEC local operator service non-branded and LEC rates for Card and Operator Services.

8. Local Directory Assistance

Definition:

The function for storing customer specific data and then providing assistance functions in obtaining customer listing data.

Illustrative Requirement:

Directory Assistance branded AT&T.

NOTE:

Resale of LEC Directory Assistance and LEC branded is not acceptable.

9. Common Transport

Definition:

An interoffice transmission path (including the equipment and facilities) possibly shared with the LEC and/or other carriers (typically used for switch to switch transport within the LECs network). Common transport is used within the LECs network (not used between networks). This includes:

- Multiplexing functionality
- Grooming functionality (other than that provided by a DCS)

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- Redundant equipment and facilities necessary to support protection and restoration
- Cross-office wiring to a DSX or LGX where facilities from a switch, cross-connect, or other service platform are terminated.

Illustrative Requirements:

- Compliance with Bellcore/industry standards (format, interfaces, performance monitoring, alarms, etc.).
- Equipment/interface/facility protection (at least at parity with LEC capabilities).
- Redundant power supply and/or battery back-up (at least at parity with LEC capabilities).
- Spare facilities and equipment necessary to support provisioning/repair DMOQs.
- Performance/availability at least at parity with LEC facilities (at or better than Accumet T1.5/Accumet T45 CO to CO performance/availability specifications)
- Transport equipment/facility provisioning and maintenance provided by the LEC.
- Capability for real-time access to performance monitoring and alarm data affecting (or potentially affecting) AT&T's traffic (upon AT&T's request).
- Interfaces should include DS1, DS3, and SONET at various levels (OC-x).

10. Dedicated Transport

Definition:

An Interoffice Transmission Path (including the equipment and facilities) dedicated to a single carrier. This may include but is not limited to:

- Multiplexing functionality
- Grooming functionality (other than that provided by a DCS)
- Redundant equipment and facilities necessary to support protection and restoration
- Cross-office wiring to a DSX or LGX where facilities from a switch, cross-connect, or other service platform are terminated.

Distinction can be made between two types of dedicated transport: Type 1: Transport between the LEC network (including unbundled elements) and another carrier's network (e.g., transport between a LEC switch and an IXC switch).

Type 2: Transport leased from the LEC to connect equipment within the LEC network (e.g. between DSXs in two different LSOs in a local area), or to connect equipment between the LEC network and the AT&T POP (e.g. DSX in the LSO to the AT&T POP for dedicated access).

Illustrative Requirements:

Type 1 Dedicated Transport

- AT&T must be allowed to utilize existing transport facilities between the LEC and a second carrier (an IXC or another CLEC) to carry traffic destined for the other carrier.
- Compliance with Bellcore/industry standards (format, interfaces, performance monitoring, alarms, etc.).
- Equipment/interface/facility protection (at least at parity with LEC capabilities).
- Redundant power supply and/or battery back-up (at least at parity with LEC capabilities).
- Spare facilities and equipment necessary to support provisioning/repair DMOQs.
- Performance/availability at least at parity with LEC facilities (at or better than Accunet Spectrum of Digital services, Accunet T1.5/Accunet T45/Accunet T-155, CO to CO performance/availability specifications)
- Transport equipment/facility provisioning and maintenance provided by the LEC.
- Capability for real-time access to performance monitoring and alarm data affecting (or potentially affecting) AT&T's traffic (upon AT&T's request).
- Interfaces should include DSO DS1, DS3, and SONET at various levels (OC-x).

Type 2 Dedicated Transport

Transport Technology Options -- The LEC should provide the following transport technology options:

- Currently provided transport services (e.g., T1/T3 transport services)
- SONET Line switched rings OC-48 (and OC-192 future)
- SONET Path switched rings OC-3 and OC-12
- SONET point-to-point transport systems

Existing Transport Service -- The LEC should continue support of current service.

SONET Transport Requirements (applies to rings and point-to-point) include but are not limited to:

- Compliance with SONET and Bellcore standards (format, interfaces, performance monitoring etc.)
- Capability for real-time access to all SONET performance monitoring and alarm information.
- Equipment/interface/facility protection
- Redundant power supply/battery back-up
- Synchronization from both a primary and secondary Stratum 1 level timing source
- Interworking with SONET standard equipment from other vendors
- Data Communications Channel (DCC) connectivity
- Spare facilities and equipment needed to support provisioning/repair DMOQs
- Electronic provisioning control (on request)

Connectivity between locations designated by AT&T

Performance/availability per the table below for point-to-point service:

Performan	ice		Unavailabi	lity
ES/Day	% EFS/Day	SES/Day	Minutes per month per span	Minutes per year per span
25	99.97	1	< 0.25	< 0.5

SONET Ring Requirements (include but are not limited to):

- · Diverse fiber routing and building entrances
- Dual ring interworking support
- · No single point of failure
- Protection lock-out and support of extra traffic (Line switched rings only)

Interface Requirements (include but are not limited to):

- Support for the following interfaces (per AT&T's request):
 - DS1 (Extended SuperFrame ESF)
 - DS3 (C-bit Parity)
 - STS-1 (VT-based) desired interface at an AT&T service node
 - OC3 or OC-12
- Physical Point of Termination (POT) between networks
 - DSX1 for DS1s
 - DSX3 for DS3s or STS-1s
 - LGX for OC-3 or OC-12
- ATET craft provided full time access to the POT

11. Digital Cross-Connect System (DCS)

Definition:

An element which provides automated cross-connection, facility grooming, bridging, point to multipoint connections, broadcast and automated facility test capabilities. The element may also provide multiplexing, format conversion, signaling conversion, etc. Cross-office wiring to a DSX or LGX where facilities from a switch, another cross-connect, or other service platform are terminated are included as part of this element. In cases where automated cross connection capability does not exist a "cross connect system" will be defined as the combination of DSX patch panels and D4 channel banks or other DSO and above multiplexing equipment used to provision the function of a manual cross connection.

Illustrative Requirements:

- AT&T must be allowed access to all LEC Digital Cross-Connect Systems including but not limited to:
 - DSO cross-connect with DS1 interfaces
 - DS1/VT1.5 cross-connect with DS1, DS3 and SONET interfaces

- Capability for real-time reconfiguration capabilities.
- Capability for real time access to integrated test equipment and other integrated functionality
- SONET to asynchronous gateway functionality
- Compliance with Bellcore/industry standards (interfaces, performance monitoring, alarms, etc.).
- Equipment/interface protection (at least at parity with LEC capabilities).
- Redundant power supply and/or battery back-up (at least at parity with LEC capabilities).
- Spare facilities and equipment necessary to support provisioning/repair DMOQs.
- Performance/availability at least at parity with LEC
- Capability for real-time access to performance monitoring and alarm data affecting (or potentially affecting) AT&T's traffic (upon AT&T's request).
- The LEC must continue to administer and maintain the cross-connect including updates to the control software to current available release.

12 Data Switching Element

Definition:

An element which provides data services (e.g. packet transport, frame relay or ATM) switching functionality that is required to connect the facilities from the User to Network Interface (UNI) to either another UNI or to a communications path at the Network to Network Interface (NNI).

Illustrative Requirements:

- Switch features and functionality (e.g., signaling and connection control, broadcast capabilities, traffic shaping/congestion control, etc.) at least at parity with the LEC.
- Standard interfaces (DS0, DS1, fractional T1, DS3, STS-1, OC-3, OC-12, etc.)
- AT&T services must be given equal priority during overflow/congestion conditions.
- Capability for real time access to integrated test equipment and other integrated functionality
- Equipment/interface protection (at least at parity with LEC capabilities).
- Redundant power supply and/or battery back-up (at least at parity with LEC capabilities).
- Spare facilities and equipment necessary to support provisioning/repair DMOQs.
- Performance/availability at least at parity with LEC
- Capability for real-time access to performance monitoring and alarm data affecting (or potentially affecting) AT&T's traffic (upon AT&T's request).
- The LEC must continue to administer and maintain the switch.

13 SS7 Message Transfer and Connection Control

Definition:

Figure 1 depicts SS7 Message Transfer and Connection Control. This element enables the exchange of Signaling System 7 (SS7) messages among switching elements and database elements. It includes all functions of the Message Transfer Part (MTP), Signaling Connection Control Part (SCCP), and the Operations, Maintenance and Administration Part (OMAP) of SS7 commonly performed by Signaling Transfer Points (STPs). This element is sometimes referred to as the STP, but it also includes the transport of SS7 messages over signaling links connecting switching elements to STPs, database elements to STPs, and STPs to STPs.

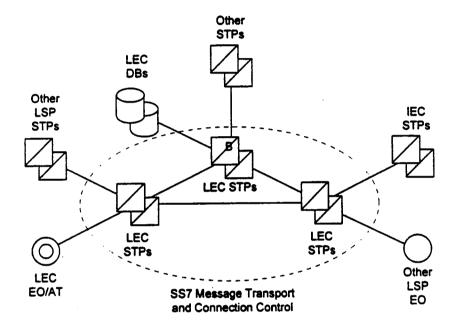


Figure 1. SS7 Message Transfer and Connection Control.

Illustrative Requirements:

This element shall provide access to all other elements connected to the LEC SS7 network. These include:

- LEC switching systems.
- LEC databases.
- Other LSP switching systems.
- Other LSP STPs.
- Other IEC STPs.
- Other (3rd-party-provided) STPs.

This element shall include options to connect AT&T local switching systems or STPs to the LEC SS7 network. These options shall include:

A-link access from AT&T local switching systems.

D-link access from AT&T local STPs.

These options shall also include the option for AT&T to define the Signaling Points of Interconnect (SPOIs), as well as the option for the LEC to define the SPOIs.

These options shall also include interoffice and intra-office diversity of facilities and equipment, such that

- No single failure of facilities or equipment causes the failure of both links in an A-link layer.
- No two concurrent failures of facilities or equipment causes the failure of all four links in a D-link layer.

This element shall provide all functions of the MTP as specified in ANSI T1.111. This includes:

- Signaling Data Link functions, as specified in ANSI T1.111.2.
- Signaling Link functions, as specified in ANSI T1.111.3.
- Signaling Network Management functions, as specified in ANSI T1.111.4.

This element shall provide all functions of the SCCP necessary for Class 0 (basic connectionless) service, as specified in ANSI T1.112. In particular, this includes Global Title Translation (GTT) and SCCP Management procedures, as specified in T1.112.4.

This element shall provide all functions of the OMAP commonly provided by STPs, as specified in ANSI T1.116. This includes:

- MTP Routing Verification Test (MRVT).
- SCCP Routing Verification Test (SRVT).

This element shall meet or exceed the following performance requirements:

- MTP Performance, as specified in ANSI T1.111.6.
- SCCP Performance, as specified in ANSI T1.112.5.

14. Signaling Link Transport

Definition:

This element is a set of one, two, or four dedicated 56 kbps transmission paths among AT&T-designated Points of Interconnection (POIs), satisfying an appropriate requirement for physical diversity.

Illustrative Requirements:

A signaling link shall consist of a 56 kbps transmission path or other rates as defined by ANSI standards between AT&T-designated POIs.

A signaling link layer shall consist of one, two, or four signaling links, as follows:

- An A-link layer shall consist of two links.
- A B-link, D-link, or E-link layer shall consist of four links.

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A C-link or F-link layer shall consist of one link.

A signaling link layer shall satisfy interoffice and intra-office diversity of facilities and equipment, such that

- No single failure of facilities or equipment causes the failure of both links in an A-link layer.
- No two concurrent failures of facilities or equipment causes the failure of all four links in a B-link, D-link, or E-link layer.

15. SCPs/Databases

Definition:

A node in the signaling network to which informational requests for service handling, such as routing, are directed and processed in real time.

Example databases include (not limited to):

- Line Information Database (LIDB)
- Emergency Services Databases
- Toll Free Number Portability Database
- Local Number Portability Database

Illustrative Requirements:

- Access to databases containing service handling/routing information.
- Database queries must receive equal priority as those of the incumbent LEC/other companies.
- Database queries must receive equal reliability, availability, and performance as that provided to the incumbent LEC/other companies (must be at least at industry standard levels).
- Database access using TCAP messages routed via STPs must be supported.
- Detailed tracking of usage and call termination point must be supported.
- Database dips resulting in a call terminating with the incumbent LEC should not be charged to AT&T.
- The ability to allow AT&T to update appropriate databases with their end user information.
- Procedures are required for validating that information supplied by AT&T is accurately provisioned in LEC databases.

16. Tandem Switching

Definition:

The establishment of a temporary communications path between two switching offices through a third (the tandem) switch. Typically, the tandem switch is used to connect end offices, other tandems, or to provide connection to IXC, ICO and CLEC switches. The tandem switch may also be used to provide SSP capabilities when these capabilities are not available in the EO.

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Illustrative Requirements:

The requirements include, but are not limited to:

- signaling
- screening and routing
- recording
- access to AIN functionality
- access to Operator Services and Directory Assistance as appropriate
- access to Toll Free number portability database as appropriate
- must support all trunk interconnections discussed under "Network Interconnection/Trunking" (e.g., SS7, MF, DTMF, DialPulse, ISDN, DID, DN-RI, CAMA-ANI (if appropriate for 911), etc.)
- access to PSAPs where 911 solutions are deployed and the tandem is used for 911
- transit traffic to/from other carriers

17. Advanced Intelligent Network (AIN)

Definition:

AIN is a network architecture that is designed to provide a means for carriers to offer advanced features and services independent of the local switch vendor. Specification of specific points in the call model (i.e. triggers) at which the end office suspends call processing and launches an SS7 TCAP query to a database allows for application logic to be separated from the switching platform in a standard manner across all switch types that are AIN capable.

Illustrative Requirements:

- Provisioning of LEC end office AIN triggers initiated via service order from AT&T
- Interconnection of AT&T and LEC SS7 networks for exchange of AIN TCAP messages between LEC end offices and AT&T service control points (SCP).

The provisioning process and interfaces negotiated with the LEC must allow for provisioning of all triggers currently available to the LEC for offering AIN-based services (i.e. Off-Hook Immediate, Off-Hook Delay, Private EAMF Trunk, Shared Interoffice Trunk (EAMF, SS7), Termination Attempt, 3/6/10, N11, Feature Code Dialing, Customer Dialing Plan, Automatic Route Selection) in a manner which is at least at parity with the LEC's own capabilities in terms of performance and provisioning interval.

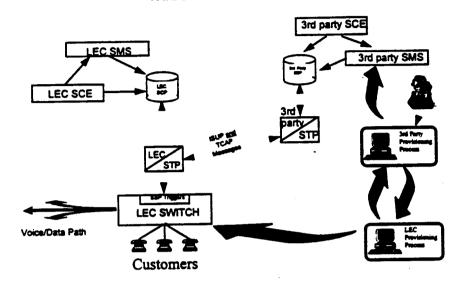
Figure 1 depicts the interconnection arrangement proposed. The AT&T SCP resides within the AT&T SS7 network which is interconnected via internetwork signaling links (D-links) to the LEC SS7 network. Queries originating in the LEC SSP traverse the LEC SS7 network and are routed via the D-links to the AT&T SS7 network, destined for the AT&T SCP. Service logic is applied at the SCP and a response returned via the

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reverse path described above to the LEC SSP with further call handling instructions.

Figure 1

IMPLEMENTATION OF SINGLE IN-SERVICE PROVIDER ENVIRONMENT TRIGGER PROVISIONING



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Mice Name Ca. SOUTH CENTRALITIES OF Saints Name Social Carlottes Social Ca	æ	,	٥	ш	-	0	=	A	
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Mice Name OUTH SENTEARING ON		ATA	ATA Verse	Called Total	18	Present Cenario			Date
wensboro	11.								HATTER ST
	ONBOKYLADSO	74	Northern	DMS 100700	OMMBO	BCS 36	36169	COMPLETED	EAST CO
	NA KYNAACKO	466	1	1AE88		1AE12.01	6393		05/198
	STEWARTS.	3	Northern	280	OMMO		737	COMPLETED	05/19/96
	THE WALLENSY	1		TEST REST	POCH		5871	COMPLETED	08/16/9
	THE PARTY OF A			GEGG DEL	POCH		2479	COMPLETED	06/16/9
	DVLA TENDO			E00		1 639	12769	COMPLETED	06/16/9
(¥)	WATELSO	3 5		TAFGG		1AE12.01	93017.	COMPLETED	96/16/96
1	SWATCHUS			200		5.50	19156	COMPLETED	06/16/9
Louisville (Shively)	LEVINTONION INC.	3		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		SEB.1	1909		6491490
!	SVLNTSLLOU			ACCO DOU	POCH!		3	COMPLETED	06/18/96
	CALLEY AND			CE SA	POOR	56.1	1929	COMPLETED	08/16/9
				MEG DOWN	MOCH		4940	COMPLETED	06/18/96
				10 C C C C C C C C C C C C C C C C C C C	MARK		648		07/21/96
Berthern Lynch	Z LIVER TO SE		110		LIVED		22		07/21/96
	DENTED		112	200	NAT.		1725		07/21/8
	CINCLESCO			100	NO.	1.059	13610	COMPLETED	07/21/96
	REPRYMADES			200	WED		25	COMPLETED	07/21/96
Dukedom (Sub. CXR)	See MYFU		1	280	CHAP		4540	COMPLETED	07/21/96
	LINKVENCE				CHAP		450	COMPLETED	07/21/8
				1 A E & S		1AE12.01	3322	COMPLETED	07/21/9
(St. Mothews)	SVINT	1	1	Part 100	TAMED	BCS3 38	1170	COMPLETED	67270
	ANTERIA DESIGNATION DE LA COMPANION DE LA COMP	1		FERS PSE	News		7178	COMPLETED	07/2//0
0,0		3		KERE DEL	NEW CO		22.53	COMPLETED	07/21/90
	PMKMMOSO	B		12 00 00 17 TO 17			1503	COMPLETED	672219
	A CACKTERDING				TANED.		22	8	07/21/96
(Sub-CXR)	A STATE OF THE PARK	\$		AC 0 0 11	NEW C		7929		07721/06
	A BOKTANASA	8			MUNI		1146	3	06/18/5
	CLAYKYMADSU	3		200	MON		27/02	COMPLETED	08/18/96
son Springs	MOT LEGUS			100	MON		1257	COMPLETED	08/38
	DKINKAMOBO	Ş		202	NUT	·	100	LOOMPLETED	08/18/
aton	ERTNKYMARGO	٦,	Ę	X82				COMPLETED	06/16/
	DALKYMADSO	Ş		762	T.V.		726	SCOMPLETED	08/18/
	ORDINAMESO ORDINAMESO	٦,		2 % S			8	SICOMPLETED	06/18/
place	FROMMADSO	Ş		200	INC.		1015	SICOMPLETED	
		Ŧľ		PATE AND	2	R/S 38	1384	COMPLETED	08180
4#B	JOVIKYNADSO	3		CHIC 190			3362	POMPLETED	08/18/
	MANAGEM	٦,		BARA	1		671	COMPLETED	08/18/
S Gab	HOPKYMARSO	Ş.		200	INC.		628	COMPLETED	00/18/
	LEBOKYNIARSO	٦.		780	MOV		172	COMPLETED	96/18
malle	AN KAMADSO	1		X20	HUNN		47.	COMPLETED	06/16/5

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Office Neme	The state of the s									11/01/95
HRAMMINAL			ALCASE	177 1210 Rt. 8	HRCV		796	COMPLETED	1	1101/05
Lorrollia	SE NY X			1	700		2308	COMPLETED	1	010111
io i	MFVLKYXARSO	Ş	A.		979.7		2343	COMPLETED	_	CAMILL
	FOTHWAYXARBO	\$		1210 KLD				COMPLETED		11/16/95
		237			25.5			ANTIBI ETEN	-	11/16/95
Foundain Run	THE STATE OF THE S	2			1089			A STATE OF THE PARTY OF THE PAR		11/10/05
	CHEKTANGO			L		CSM 304.01.02	3	CONTRIED	+	4116.00
Bural	CLEGRYXROED	3	ы.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOTAL EX		3	COMPLETED	1	SOUTH THE PARTY OF
	HSVLKYXARSO	3	ч.		OVA EV		1130	COMPLETED	1	11/10
	LUCSKYXARSO	4		STATE OF THE STATE	200		916	SCOMPLETED	-	CAVOLILL
	SUSTANCED STANDS	462		27.27.			1043	COMPLETED	-	21/10
SUTTINGE STREET	TALK KVXAR	777	ACATEL	ITT IZIDIALS	3	the state of the state of		114 2 1.0	4,64	
Temple HM	The second secon						1677	DECEMBER ETED		10722/95
	A LI CONTRACTOR	777	Northean	10 E	MARKE		1000	CANADERED	-	10/22/0
Aurora	AUTON		N. deare	DLS 100	LEMAN	8000	7.077		-	10/22
(rate Wile (Velley Station)	LOVING	H		124 400					<u>:</u> 	10/22/96
LA: mater	MAKKAN			V.	3010811		8	S CANAL PROPERTY.		11/10/05
Mark Double	WSPACYMADS	H		1	BAN		Ž	STATE IED	:	11/10/0
The state of the s	BCDCKWADGO	j		12500001	1173		274	COMPLEIED O		40.00 K
naccen	BWINWINDS0		EV	THE STATE OF THE S	5		147	9 COMPLETED	+	2000000
Верепумно	BOALWATER DEC		3	752			8		1	
Bechara	SCHOOL STATES	7					3	O COMPLETED	-	11/18/82
Cempbellsourg	PER TANDED	7	Z	202		LIAN I	2	O COMPLETED	-	11/18/9
Carrollon	A PARTIE AND A PAR	7	Setorem	Dec 10			7	A COUPLETED		CASIA
Elkhorn City	STATE OF STA	į	Northern	RSC			THE PERSON NAMED IN	A COUPLETED		11/19/9
Emmence	THE PARTY OF THE PARTY			707	STATE OF		1	SANTO FIED		11/19/95
Finchyllie	FINAL PROPERTY.	T		MCS.	TW.			HANNES ETEN		11100
Part C	GHIRYMAN	1		ACCES DAM	25.5		1	NAME OF THE PARTY.		11199
	DCSHCWINGS	9	113		L	569.1	5	3	İ	A/1
The state of the s		V	1 5 2		SEAN.		8	-		500
LOUISVER (John et al.)	DECEMBER 12	-	Z Professor	*	N. T.				İ	
William	LITERATIADS	-	Northern Markett	262			L	COMPLETED	-	
Mount Eden	PALE BY ON DAY		2 Northern	700				SOCIOUPLETED		11/19/3
Pleasureville (Cropper)	THE PARTY OF THE P	T	A Northern	202	22.5	KX8 CF		TO PERSONAL PIED		11/19/3
Port Royal	PIKTRY TEN	T	1	048 100	BIM	W. 62	+	THE COLDINETED		11/28
Challe	STATE OF THE STATE			282	MAN.		211			1111
Simon Simon	SEWICHMOS			46.00		5E9.1	3	STATE OF STA	T	14/19/9
Shribachining	BOTTO STATES	3							Ì	\$4/19/95
LORES	ST PHYNALDS	1		- Kare	2			A CONTRACTOR		42/17/9
SUDIL	KADOYKYWADE			KILIS JAN	MANAGEMENT	BCS 36	103		1	
Waddy	SOS LANGES		E NORTH	22 22		Т	12	1289 COMPLETED	Ì	2011/6
Berdstown	BI FRKYLYDS		į	200			S		1	3011101
Bicomfield	ALIST IN LINES	L	ASS Northern	ROCH		AC 9.38	23605	,	+	
Chaplin	COETYVAADS	Ľ		DMS 100		23.23	23	8388 COMPLETED	-	12/1/13
Frankfort	THE STATE OF THE	L	C) Northern	RSC	Z Z					

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			- 2		1	Present Generic	Nes se	Equal Access Date	<u>ت ت</u>	Dede
Office Name	CLU	אוא	Vertous	Caron I Po				ti et indicates		
SOUTHOENTRAMBELSICO		687	S. Sandaren	RSC	IFRE		2000	BBEG COMPLETED	+	2017 11/24
awtenceburg	L KOCKI MAKA	1		100	BETTA		1672	COMPLETED	+	11.77
ebanon Junction	LEUIKTHANDS	Ž		3	PARS		234	COMPLETED	1	101113
Ittle Rock	see PARS			Y SE	BETTE		1763	ICOMPLETED	-	C8//1/71
Now Haven	NAME OF THE PERSON	Ž		202			1	SCOMPLETED		12/1
Alou Brath (Sub. CXR)	See OWINGHET	\$			1010		23	PICOMPLETED		12/17/90
Local Managem (Sub CXR	Bee PARS	\$		-			2819	SCOMPLETED		12/17/95
IOI modern	OWTHYMADSO	_	21	2	2000	10000	445	SCOMPLETED		12/17/95
CWBINCE	PARSKYMADSO	ᆫ	StromyCar	8	2	Inches 10	2	Ş		12/17
Parts	TW/ KYLADSO	L.	Northern	RSC	MIMO		-	R PONTO ETED	 	01/21/96
Taylorsville	ASSISTANCE OF THE PARTY OF THE	1	ShornCa	PB/S	PARS			A STATE ETEN		1210
Cartisle	SCALE STATES			1AESIS		1AE12.01				B1/C0
Louisville (Berdstown Road)	LOVEN BRANCH		7	2752	PARS		3			02/18/96
Cynthana	CYNINYMANDO			1AFRS		1AE12.01	4			71/20
Cutavilla (Beechmont)	LSWIKYBECGO	1	_	20.00	DIME	SE9.1	3622	2 COMPLETE	+	3 2
Dougling Grade	BWCHWD30	1		ACCO DEVI	C WAN		8	2 COMPLETEL		318
Constant	FICHENIADSO			DESO MON		1261201	25,696	S COMPLETED	!!	
Little (28th Street)	[SVIKYZOCCO	4	IVI	News and a second	+	42.0	35	S COMPLETER		ירענט
Constitution and and	I SVI KYWEDBO		IVI	0000	84.86		3	A COMPLETED		03///30
Manual Inches	EMMICHADSO		Ston/Ce	1000	K STATE		8	6 COMPLETEL	~	3
Mayswas	ECTWC/MADS		IAT	DESCRIPTION OF THE PROPERTY OF		1	23	SCOMPLETE		500
MOKEENOWI	BWA CKYRVDSC			DE 70 123	K		28	SCOUPLETE		
RICHERCEVING	THE VIEW MADES	3	IAT	DESG NOW	大馬		23	CERCOMPLETED	C	06/1/20
RUSSEIMHE					2		1	BOOMPLETE	2	8/2
Woodburn (SLC-Burg)	COUNTY PRINCE		ZIATI	SESS OF	\frac{1}{2}	THE A 4	135	14 COUPLETED	0	242
LeGrange	CONTRACTOR OF THE PARTY OF THE	40	SATE	6E88	2	N CENT		O CONTIETED		04/2
nulsville (Anchorage)	TO THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS	F	51411	100 CO	YMY			13 PAY LOUGIED	6	04/2
Louisville (Harrods Creek)	LOWLYTTER	P T		1AESS		WETZ.UI	#	A PANDI FIELD		150
A devile (Third Street)	LSVCTI SYS	Ŧ		DESC	ONNO		8		1	157
PARAME DAM	BYDERCHALSE	7		1			2	200		05/1
	CHARCHARS	7		12.5	0010			SCHALLING SCHALL) iC	:
The desired		7		- Kar	CWARC		6	97 COMPLETE		
Centeriorni	CI PHYNADS	•		***	No.		101	ST COMPLETE	o	3
Cloverport	ENGRICAMOS	7		2			F	02 COMPLETE	0	C
Engor	ENVIOUNDS0	4	4	762			2	2817 ICOMPLETED		02/18/20
Fordsville	TEST SYNTADS	_	Ě	202			Z	SECOMPLETE	۵	3
Hardinsburg	THE BUYERDA	7	Northern A	RSC				8	Q	32
Hartford	THE PARTY	i e	TATE T	200			7	ARTICOLOLETED	٥	95/
Hawesville	THE PERSON AND AND ADDRESS OF THE PERSON AND	P	A Northern	RCM	28		4017		0	80
pusis	THE PARTY IN	L	C Morhem				1	64 COMPLETE	o	950
Ivermore			Code 177	١.	5			TO COLD ETED	٥	020
McDardels	MCUNKYMA	3 50	S Common of the	١.	PARS		- 12	AND PAUDICIPE	9	3

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Office Name	Agreement in the	1		;			1		The state of the s
PST TENDER IN	61 61 WASTA NO.	1787			Indh		700	COMPLETED	10/20/9
Bluff Springs	OL SPRINGE		Name of Street,	BEA	501		3977	COMPLETED	10/20/96
	CALCATERIOS	Ş		Kak	N.O.		979	COMPLETED	1020
ے	CHIMMINESS	Ş		ASS.	1797		1475		10/20/96
		\$		DE SS ROM	22		AOOR	And Etch	10/20/9
	COTNECYMADSO	\$	Northern	RSC	474			COLUMN THE COLUMN THE	Aprocop
Crowoll		13	Northern	RSC	¥ ₹		2411	-	7020
Elkton	Children Inchild		Abrene	RSC	154 <u>H</u>		793		10/20/30
Gracey				080	Z		180		10/20/36
Gultrie	CITICAL MANDEN				DWAD1		1285		10/20/96
Tapi	HABIRYMAKSO	Ş	1000	250000	TRIEN		299		
arctsville	HBVLKYMADSO	Ş	-	ESS 155	T	2001	18012	COMPLETED	10/20/96
Handerson	HISHCHIADSD	*	ATT	9535	Т	200	1355	COMPLETED	10/20/9
Locales		4	Northern	OM 300		25.50	127	COAPI ETED	10209
TAL MAIL IS VIEW	H EYTKYLADSO	199		282	7			į	4000
Ar Byello	TENA POTENCE	3		362	APDS0		3	3	SOUND TO SOUND
CUSVING (3rd St. Norm. P.)	Tara to report	18		PSC PSC	APD80		3	3	20000
Dusylle (3rd St. Rom. #2)	TOVER TOWN			N48 100	89081	ECS 28	61038	CONTRIED	770
outsville (APDS0)	LOWINATUS	1		15.70	OWBO1		180	충	יומיניים
Macao	MACERYMAKSO		3	CERT DAY	HARIN		3507	Ş	10/20/9
Accounted	MOFDRAMOSO	1		TATO TO THE	TOWNS.	Steam 11		COMPLETED	10/20/96
Owarshoro	OWBOKYMADSI	1		27.5	Name of		23	COMPLETED	10/20/9
Dardive	PUTHEYMARSO	Š	No.		1		735	COMPLETED	10208
Demiroka	PLEKTONADS	1		200	N. Carlot		3	COMPLETED	10209
Otanani Birda	PLRCKYWARSO		Strome	25	779		188	COMPLETED	_
Potential Control	REPORTMADES		_	15.50 FOR	1000		623	COMPLETED	10/20/9
ACCOUNT OF THE PARTY OF THE PAR	SHOVEMADSO			200				3	10/20/8
STEEL CHOOL	STACK REVILLA RSO		Stronger	2	174115			Š	10/20/9
Sorgio	STAL KYLARSO		Strong	RCU	5		1	PAMPIETED	10/20/90
Startey	OTO CALLANDA OTO	Ž	IVI	SESS RSM	NO.			A PARTIE TEN	40205
Sturies	NOUT TO THE OWNER.	L	Northern	10.E	¥			AXXIII PEC	
Trenton	THE PART HERE	T	S. Marrie	DOS.	OMB 01		ğ	DOMETE IEU	900000
Clica	UNCATEDADA	1	90	120	OWBO1		35	COMPLETED	
West Louisville	MIVILATIMATO	1							-
AND BURNING TO BURNING			Il back age	INLA 10 Remale		02:101	769		40 1990
Code	CODYKYZARSU		Ш	Kilo th Beneda	SALAR S	404.20	208	_	40 1996
440	FSTYKYXAR80	Ş		DESCRIPTION OF THE PROPERTY OF			200	8	40 1996
The state of the s	HALINGYXADSO	_	E I		1	14. VA		COMPLETED	40 1996
V. ISHINI	TRITINGYXBD80			100	10000	2000		S COMPLETED	40 1996
Hoomen - to	LEATISTYXARS	Ľ	S TRW VICE	VIDAR REM			737	AICOMPLETED	40 1996
Mousie	DESCRIVIARSO			VIDAR KEM		14.17.		A COURT FTED	9661 04
Pippa Passes	*BUSKYXARSO	\$	8 Northern	DMS 10 Remote	HAMM	3.5	TOTAL STATE OF THE PARTY OF THE	PLANTING THE PROPERTY OF THE PARTY OF THE PA	100
Topmost and Court at the loan of the	STHERE WILLIAMS	1					707	SICONDI ETEN	30 1996
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FIRE CATTANANAGED CARE LA TANA							
				, 1	446	250 PANADI CTEN	130 1896
	_	464 StonyCer	RNS		19.00 TO 19.00	27 27 27 27 27 27 27 27 27 27 27 27 27 2	2X 4000
CUMINGRAM	S	ARA Showniff as	N S IS	HAZL	aleans 10.0	364 COMPLETED	36, 189
Cypress, In	2	K. C. C.	Strie	T	400	2330 ICOMPLETED	30 1986
Laledaning	_	464 Stom/Cer	250	٦		ASST CALCO CTEN	1996 OF
Name of the last o	_	464 Strom/Car	\$ \$ \$		where 19.0	ולפני וכריים ביים	2000
Fency Ferm	S	AAA Qurundan	Ø R	1708	reference 19.0	783 COMPLETED	34 1850
- armington	3				Appeal of the	TASICOMPLETED	30 1896
E Neomrtala	-	ACK ISBORINGER	200		CONTRACTOR OF THE PARTY OF THE	A4A IAAABI ETEN	30 1936
	_	464 Shom/Car	000		release 19.0	SIO COMPLETING	20 400g
Hardy	ŀ		240		notesee 18 0	703 COMPLETED	200
Lata L	_	404 SECTIVE	3		707	ATS POLICY FIED	30 1996
1.02.0	-	464 Shom/Car	525 525	7		CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE	ACC 4004
Kirksøy			SALIS		rateres 10.0	457 COMPLETED	30 1830
00000	_	404 SECRETA	ZAZ		A A	AN INDICATED	30 1996
COMES	4 VOVANOVARSO		SNS	7	0.81 00000	ASSESSION OF THE PARK	300 100
Lynn Gove	AND AND AND AND AND AND AND AND AND AND			199	release 19.0	SOUTH LEVEL	3
- Incomplie					A 46 A	TANA COMPLETED	30 1996
proposition of the second	NWCNCYXARSO					THE TEN	30 1996
New Colors		Att Shore/Car	27.5		TOTOGOGO IN TO		15.X 16.0c
Puryear, In		- X	KAN		nelense 19.0	675 COMPLETED	200
Codala	SDUKYXADS	BACHER SO			Maree 10 0	147 ICOMPLETED	30 1996
- Green 4::00	HAZLOYXADSO	464 StoreCar	933		V VI	ATRICOMPIETED	30 1996
Sund rate,	NAME NAVOKARSO	464 ShowCe	RIB	101	2.21	TATA KAME ETEN	20 1996
West Plains		A. A. S.	879.5		release 19.0	1480 COM CENT	
	١						

Facsimile Cover Sheet

To: Connie E. Nicholas

Company: GTE Telephone Operations

Phone: 214-718-4586 Fax: 214-718-1250

From: Joyce Beasley

Company: 3258D2

Phone: 908-221-6502 Fax: 908-953-8360

Date: July 11, 1996

Pages including this

cover page: 23

Comments: