



## AM SR-OPN-000010

# Ameritech Technical Reference Documents for Public Use

To: All Interested Parties

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**1. GENERAL**

This catalog contains a listing of publicly available Ameritech technical reference documents.

**2. ORDERING INSTRUCTIONS**

Documents are available at no charge at the public website <http://www.ameritech.com/regulatory/netpage.html>. Please contact the APEx Help Desk (517-788-6872) if you have difficulty viewing any of the documents listed below.

**3. DOCUMENT ABSTRACTS**

Document #	Title and Description
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AM SR-OPN-000010	<b>Ameritech Technical Reference Documents for Public Use</b>
	<b>Issue 9, May, 2000</b>
	<p>This is the last issue of this document. It provides abstract and general information on Ameritech documents that could be ordered prior to the creation of this website. Documents and associated descriptive information which was either inappropriate or outdated have either been eliminated or references have been provided regarding replacement information.</p> <p><b>NOTE: Readers unfamiliar with the Network Disclosure process or services described in these abstracts should pay particular attention to the issue date.</b></p>

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AM SR-ENG-000068	<b>Ameritech ISDN Wiring Guide For ISDN Direct</b>
	<b>Issue 3, February 1996</b>
	<p>The Ameritech ISDN Wiring Guide acquaints the wiring installer, electrician and interested homeowner with wiring and powering practices used in residence and small business ISDN installations. It is a useful tool for planning and preparing the home or small business for ISDN Direct service. Wiring topology, standards and federal regulations for ISDN are explained in simple terms with many illustrations and a glossary.</p> <p><b>Readers are cautioned to note the date of this document. It represents the methodologies of Ameritech Services at the time of its publication. Other information on ISDN may be found at the National ISDN User Forum website: <a href="http://www.niuf.nist.gov.docs/">http://www.niuf.nist.gov/docs/</a></b></p>

AM TR-CSI-000090	<b>Ameritech Guidelines for Product Change Notices</b>
	<b>Issue 1, May 1992</b>
	<p>This document provides suppliers of telecommunications equipment with proposed Product Change Notice guidelines that should be used to effectively interface with Ameritech Services and its Affiliates concerning product changes. Although these guidelines are subject to Ameritech Services' copyright, a supplier may elect to follow the procedures described herein with customers other than Ameritech.</p> <p><b>NOTE: Readers are cautioned to note the publication date of this document, and are encouraged to contact a Procurement representative for current information;</b></p>

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AM TR-EEN-000011	<b>Ameritech Installation Administrative and Workmanship Requirements</b>
	<b>Issue H, August 1999</b>
	<p>This publication is an Installation Supplier’s guide for equipment and equipment systems that will be installed, removed, or modified in all types of Telephone Company facilities. This document reflects current requirements that are subject to revision or change for any reason, including but not limited to, conformity with standards declared by various agencies, utilization of advances in the state of technical arts, or the reflection of changes in the design of any equipment, techniques or procedures described or referred to herein.</p> <p><b>NOTE: This document is scheduled to be merged with an existing SBC document, TPC 76300 MP at year end 2000. Call the Technical Publications Order Line on (210) 886-1192. This document is currently available, but will be deleted at merge.</b></p>

AM TR-EEN-000015	<b>Ameritech Central Office Equipment and Engineering Requirements</b>
	<b>Issue 1, December 1992</b>
	<p>Provides suppliers of central office equipment and engineering services with the general material and engineering requirements necessary to provide equipment and/or engineering services to an Ameritech operating company.</p> <p><b>NOTE: This document is being merged with an existing SBC document, TPC 76400 MP by 3Q year 2000. Call the Technical Publications Order Line on (210) 886-1192. This document is currently not available due to this change.</b></p>

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AM TR-ENG-000121	<b>Ameritech Digital Video Service Interface Specifications</b>
	<b>Issue 2, September 1994</b>
	This specification was reissued to include the addition of more audio channel options and to provide a more detailed description of the video and audio performance objectives.

AM TR-IBT-000058	<b>Netpartner<sup>®</sup> Network Management System (NMS) Interface Specification</b>
	<b>Issue 1, February 1990</b>
	This document defines interface requirements between the Local Exchange Carrier (LEC) host complex communications processor and the end-customer premises equipment. The specification is published as a guide for designers, manufacturers, and suppliers of customer premises equipment (CPE) and software that are intended to be compatible with the host complex.  * <b>Netpartner is a registered trademark of Lucent</b>

AM TR-MKT-000035	<b>Ameritech Automatic Meter Reading Service Interface Specification</b>
	<b>Issue 1, March 1989</b>
	This document describes the architecture and operation of Ameritech's automated utility meter reading service. It provides interface specifications and operating requirements as a guide for system users and vendors.

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AM TR-MKT-000039	<b>Ameritech Scan-Alert Transport Service Deployed with Applied Spectrum</b>
	<b>Issue 1, May 1989</b>
	This technical reference provides a description of the Ameritech Scan-Alert Transport Service based on spread spectrum technology. It provides the technical and protocol specifications for the two points of interface for this service.

AM TR-MKT-000046	<b>Ameritech Public Telephone Message Interface Specifications</b>
	<b>Issue 2, September 1991</b>
	This is the second issue of the Public Telephone Message Delivery Service network interface. This issue describes a new interface which will be used to provide the service; it replaces the interface defined in Issue 1. Public Telephone Message Delivery Service will be deployed in major public telephone market areas in the Ameritech region to provide voice messaging capability to persons calling from Ameritech public telephones.

AM TR-MKT-000066	<p><b>Ameritech Dedicated and Switched Communications Services - Special Access and Exchange Interval Guide</b></p>
	<p>The Ameritech Interval Ordering Guide is available on the SBC "TCNET" website. (AM TR-MKT-000066) Issue 10 contains General Information, Product Descriptions, Negotiated Intervals, Application Dates, Firm Order Confirmation, Confirming Design Layout Report Dates, Disconnects, and Standard Access Order Intervals. This document provides the standard intervals and guidelines for processing Access Service Requests (ASRs) for Ameritech operating companies (AOCs) as referenced in the FCC 2 Interstate Access Tariff Section 5.5. It is for use by all customers ordering Ameritech Interconnection, Dedicated and Switched Communications services, Special Access and Exchange.</p>

AM TR-MKT-000071	<p><b>Ameritech Answer Supervision with Line Side Interface Specifications</b></p>
	<p><b>Issue 1, December 1990</b></p>
	<p>This document describes the network interface for the Ameritech Answer Supervision with Line Side Interface Basic Service Element (BSE). This feature will provide an electrical indication of the called party answer to a line side connection via reversal of the voltage on the subscribing line. This technical reference is published by Ameritech to provide a technical description of the interface between customer premises equipment and appropriately equipped Ameritech central offices. The BSE will be available in properly equipped Northern Telecom DMS<sup>®</sup>-100 central offices.</p> <p><b>* DMS is a registered trademark of Northern Telecom.</b></p>

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AM TR-MKT-000108	<b>Ameritech Directory Search (ADS) Technical Description</b>
	<b>Issue 2, March 1994</b>
	This document is designed as a guide for Interexchange Carriers and information providers who may wish to access the Ameritech Directory Search (ADS) Service. This technical reference outlines the requirements and specifications for interpreting the data stream.

AM TR-NIS-000068	<b>Ameritech ISDN Interface Specification</b>
	<b>Issue 4, August 1998</b>
	Interface Specification document is being reissued to update the standard National ISDN-2 (NI-2) Basic Rate Access (BRA) and Primary Rate Interface (PRI) documentation references. This includes the introduction of National ISDN enhancements.

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AM TR-NIS-000074	<b>1A ESS™ Bulk Calling Line Identification (BCLID) Interface Specification</b>
	<b>Issue 1, July 1991</b>
	<p>Ameritech plans to offer a new advanced Custom Calling Service (CCS) which allows Customer Premises Equipment (CPE) to receive Calling Party Number and other incoming call-related information. This information will be delivered over a Dedicated Network Access Line (DNAL). Ameritech initially plans to offer this service only from selected Lucent 1A ESS™ switches across the Ameritech region. The service, which has yet to be named, will use an Lucent proprietary interface for Bulk Calling Line Identification (BCLID). The interface uses a 1200 Baud data link connected to a 1A ESS™ switch Input/Output Channel.</p> <p><b>* 1A ESS is a trademark of Lucent.</b></p>

AM TR-NIS-000075	<b>Telemetry/Alarm Bridged Service (TABS) Overview</b>
	<b>Issue 1, April 1993</b>
	<p>This Technical Reference is published by Ameritech to provide a technical view of the Telemetry/Alarm Bridged Service. It provides interface specifications and operating requirements as a guide for system users and vendors.</p>

<p>AM TR-NIS-000077</p>	<p><b>Ameritech OPTINET™ 100 Mbps (FDDI) Interface Specifications</b></p>
	<p><b>Issue 1, July 1991</b></p>
	<p>This document describes and makes references to other technical documents for Ameritech OPTINET™ 100 Mbps (FDDI) Service interface requirements. Ameritech OPTINET™ 100 Mbps (FDDI) Service is a planned service under existing Ameritech OPTINET™ Services filed in the AOC exchange tariffs. The service will be available for intraLATA transport throughout the Ameritech region where fiber facilities exist and where the customer requests an FDDI interface at 100 Mbps. The OPTINET™ 100 Mbps (FDDI) Service provides a multimode fiber interface and allows interconnection of two or more remote FDDI installations through dedicated transmission facilities. Distance between two neighboring nodes can extend up to 50 kilometers in length. This technical reference is published by Ameritech to provide a technical description of the interface between customer premises equipment and Ameritech central offices to support Ameritech OPTINETä Service.</p> <p><b>* OPTINET is a trademark of Ameritech.</b></p>

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<p>AM TR-NIS-000087</p>	<p><b>Microcell Connection Service Interface and Performance Specifications</b></p>
	<p><b>Issue 1, December 1991</b></p>
	<p>This Technical Reference describes the interface and performance characteristics of a new cellular transport service. This service will accommodate up to 40 radio frequency channels from a customer's host cell site to a microcell canister. The canister is placed at a location of the customer's choosing. The service is designed to provide the customer with an electrical hand-off at the cell site and an optical hand-off at the microcell canister. The primary applications of this service will be: To allow cellular providers to increase the density of service coverage in congested areas; To provide improved service to dead spots in their networks (e.g., tunnels, etc.); and To provide a means of inexpensively expanding the coverage area of existing cell sites.</p>

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AM TR-NIS-000091	<b>Ameritech Frame Relay PVC Service Interface Specification</b>
	<b>Issue 1, February 1992</b>
	<p>Ameritech plans to offer Frame Relay PVC Service in 3Q92 in the Detroit LATA and other cities currently being identified. FRS is a low-speed to medium-speed data service. FRS is a connection-oriented data transport service that operates at speeds up to 1.5 Mbps. Ameritech plans to offer the service at speeds from 56 Kbps to 1.5 Mbps. The early features include Permanent Virtual Circuits (PVCs), PVC management, Forward and Backward Explicit Congestion Notification (FECN and BECN). At subscription, the customer will identify the end points of the FRS PVCs requiring communication with one another. FRS will provide bandwidth efficiency over private line scenarios between multiple, pre-identified locations. The technical disclosure document referenced here describes the initial implementation of FRS. Different early implementations may be deployed. In such an event, an amendment to the disclosure will be filed.</p>

AM TR-NIS-000092	<b>Ameritech SMDS Interface Specification</b>
	<b>Issue 2, April 1992</b>
	<p>This specification is being reissued to announce the utilization of a second "switching platform" for the early availability of SMDS. The reissue also amends the previously stated difference from the Bellcore Technical Releases regarding the maximum size of user information contained in the data unit. Requirements for the first platform were announced in Issue 1 of this disclosure.</p>

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AM TR-NIS-000095	<b>Ameritech Coin Line Interface Specifications</b>
	<b>Issue 1, June 1992</b>
	<p>Coin Line Service is offered as a means to provide a public coin telephone service line to work with a properly equipped coin telephone set. This service will allow the third-party provider of public coin telephones to connect to the Ameritech operating company (AOC) coin control circuits in the local central office. The central office coin control circuits provide most of the coin control functions for the telephone set. Coin Line Service is provided to allow a calling customer to originate a call and to pay for the call at the coin telephone set.</p>

AM TR-NIS-000096	<b>Host Interconnect Service Interface Specification</b>
	<b>Issue 2, July 1992</b>
	<p>Issue 2 describes technical enhancements to the Host Interconnect Service that increase its flexibility. The User/Network interface described in Issue 1 does not change. Host Interconnect Service provides high speed, optical fiber-based transmission of the ESCON XDF™ (Enterprise System Connection Extended Distance Feature) protocol. This protocol is used to connect mainframe computing environments to both CPUs and peripherals.</p> <p><b>* Trademark of IBM</b></p>

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<p>AM TR-NIS-000097</p>	<p><b>Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications</b></p>
	<p><b>Issue 1, May 1992</b></p>
	<p>This document describes the network interface specifications for the Ameritech Switch to Computer Application Interface (ASCAI) service. The ASCAI service supports applications that require the uniform exchange of application process information between the telecommunications network environment (i.e., digital telephone switching system) and a client's data processing environment (i.e., main frame/mini-computer). The ASCAI service provides Telco administrable, client specific call event messages that are logically associated with the client's central office-based Automatic Call Distribution (ACD)/Centrex services. These switch-originated call event messages are processed by the client's computer and call management software to perform various data communications, telecommunications and/or administrative functions. The ASCAI service also supports service request messages which are sent from the client's computer to the serving switch. These service request messages initiate switching functions within the digital switch that are associated with the client's ACD/Centrex service. These ASCAI call event and service request message sets offered by Ameritech, when used in conjunction with the appropriate client call management and business application software, facilitate the following enabled services:</p> <ul style="list-style-type: none"> <li>• Coordinated Voice and Data</li> <li>• Call RedirectionoComputer Assisted Call Transfer</li> <li>• Computer Assisted Dialing</li> </ul>

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AM TR-NIS-000099	<b>Ameritech's Caller ID, Caller ID with Name and Visual Message Waiting Indicator</b>
	<b>Issue 3, August 1993</b>
	<p>Ameritech offers a revised Stored Program Controlled Switching System (SPCS) analog interface for Caller ID, for Caller ID with Name, and for Visual Message Waiting Indicator. In February of 1990, Ameritech notified the industry of the deployment of the Bellcore TR-TSY-000030, Issue 1, November 1988, "SPCS Customer Premises Equipment Data Interface" for Caller ID. At that time, Ameritech only offered the single message data format (Caller ID) over the analog local loop. In July of 1992, Ameritech notified the industry of the deployment of TR-30 for Calling Name Delivery with the multiple message data format. With this document, Ameritech revises the SPCS analog interface to include the multiple message data format as described in Bellcore TR-NWT-000030, Issue 2, October 1992, "Voiceband Data Transmission Interface Generic Requirements." Ameritech has outlined this update to the SPCS analog interface in Ameritech Technical Reference AM TR-NIS-000099, Issue 3, August 1993, "Ameritech's Caller ID, Caller ID with Name and Visual Message Waiting Indicator." The TR-30 Interface will only be available initially in selected locations in Ameritech territory. The availability will be based upon the technical availability of the revised TR-30 Interface and the market needs of Ameritech's customers. Further information can be obtained from Bellcore's Special Report SR-NWT-002024, Issue 1, April 1991, "Customer Premises Equipment Compatibility Considerations for the SPCS-to-CPE Data Transmission Interface."</p>

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AM TR-NIS-000100	<b>Ameritech LAN Interconnect Service - Token Ring Interface Specifications</b>
	<b>Issue 3, December 1994</b>
	<p>In 1995 Ameritech enhanced Ameritech LAN Interconnect Service - Token Ring (ALIS) with additional interfaces: RS-232, RS-422, V.35, 3270 and 5250. The new interfaces can be available as optional features throughout the Ameritech region as a local exchange service. This technical reference is published by Ameritech to provide a description of the interface between the user and the network which supports ALIS. It also references the appropriate technical documents that may be ordered to obtain related technical information.</p>

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AM TR-NIS-000103	<b>Ameritech Network Interface InterLATA Coin Equal Access</b>
	<b>Issue 1, August 1992</b>
	<p>Ameritech will provide an interface to provide Interexchange Carriers (ICs) with equal access to the interLATA sent paid coin traffic from Ameritech company coin telephones. This service will allow ICs to connect to the Ameritech operating companies (AOCs) local or tandem central offices for coin traffic. InterLATA Coin Equal Access service is provided to allow ICs to handle and route interLATA sent paid coin calls from AOC public telephones. This service arrangement allows interLATA sent paid coin calls to be routed from Ameritech end offices. This service is provided via the trunk side network access and equipped with trunk answer and disconnect supervisory signaling. Multifrequency (MF) address signaling with wink start operation is provided in this configuration. The Coin Equal Access service has the following features:</p> <ul style="list-style-type: none"> <li>• Local or Tandem Access</li> <li>• Customer FlashesoModified Operator Services Signaling - Expanded Inband SignalingoCoin Deposit Tones</li> <li>• Operator Hold</li> </ul>
AM TR-NIS-000104	<b>Ameritech LAN Interconnect Service - CSMA/CD</b>
	<b>Issue 3, December 1998</b>
	<p>Ameritech's LAN Interconnect Service - CSMA/CD offers a dedicated bandwidth of 10 Mbps or 2 Gbps between two or more customer locations within a LATA.</p>

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<p>AM TR-NIS-000107</p>	<p><b>Host Interconnect Service - Multi-mode Interface Specification</b></p>
	<p><b>Issue 1, July 1992</b></p>
	<p>Ameritech's Host Interconnect Service - Multi-mode Interface is available throughout the Ameritech region. This technical document describes a multi-mode interface which is offered in addition to the single-mode interface described in AM TR-NIS-000096. Host Interconnect Service provides a highspeed, optical fiber-based transmission of the ESCON XDF™ (Enterprise System Connection Extended Distance Feature) protocol. This protocol is used to connect mainframe computing environments to both CPUs and peripherals.</p> <p><b>* ESCON XDF is a trademark of IBM.</b></p> <p><b>NOTE: This service allows the use of the IBM "ESCON" protocol.</b></p>

AM TR-NIS-000109	<b>Ameritech Switch to Computer Application Interface (ASCAI)</b>
	<b>Issue 1, October 1992</b>
	<p>The Ameritech Switch to Computer Application Interface (ASCAI) service supports applications that require the uniform exchange of application process information between the telecommunications network environment (i.e., digital telephone switching system) and a customer's data processing equipment. The ASCAI service provides Telco administrable, client specific call event messages that are logically associated with the client's central office-based Automatic Call Distribution (ACD)/Centrex services. These switch-originated call event messages are processed by the client's computer and call management software to perform various data communications, telecommunications and/or administrative functions. The ASCAI service also supports service request messages which are sent from the client's computer to the serving switch. These service request messages initiate switching functions within the digital switch that are associated with the client's ACD/Centrex service. These ASCAI call event and service request message sets offered by Ameritech, when used in conjunction with the appropriate client call management and business application software, facilitate the following enabled services:</p> <ul style="list-style-type: none"> <li>• Coordinated Voice and Data</li> <li>• Call Redirection</li> <li>• Computer Assisted Call Transfer</li> <li>• Computer Assisted Dialing</li> </ul>

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AM TR-NIS-000111	<b>Ameritech OC-3, OC-12, OC-48 and OC-192 Service Interface Specification</b>
	<b>Issue 5, August 1999</b>
	This specification was updated to include OC-192 to the Ameritech family of SONET interfaces, which include OC-3, OC-12 and OC-48. This service provides for the transport of STS-1, STS-3c, STS-12c and STS-48c.

AM TR-NIS-000112	<b>Ameritech's Caller ID with Call Waiting (CIDCW)</b>
	<b>Issue 1, February 1994</b>
	Ameritech offers an analog interface for Caller ID with Call Waiting (CIDCW). Ameritech has outlined this new service offering in Ameritech Technical Reference AM TR-NIS-000112, Issue 1, February 1994, "Ameritech's Caller ID with Call Waiting (CIDCW)." The document describes the CIDCW service that will be available to Ameritech customers in selected locations in Ameritech territory. Ameritech plans to offer the CIDCW service in 1994 in areas where Caller ID and Caller ID with Name are offered. The market needs of Ameritech's customers will dictate the deployment of the CIDCW service offering.

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AM TR-NIS-000117	<b>Broadband Optical Transport Digital Microcell Connection Service Interface and Performance Specifications</b>
	<b>Issue 1, December 1993</b>
	<p>Ameritech offers Broadband Optical Transport Digital Microcell Connection Service, which will provide for the bidirectional transport of signals within the radio frequency spectrum bandwidth of 824 MHz to 894 MHz assigned to cellular radio telephone services. The document describes the interface and performance specifications for two interfaces: A, an electrical interface and B, an optical interface. The electrical signals at the A interface are sampled and digitally encoded. The service will be deployed in Chicago and other cities throughout the Ameritech region. Changes or modifications to this service will be documented in later issues, as appropriate.</p>

AM TR-NIS-000118	<b>Ameritech's Analog Display Services Interface (ADSI) Feature Download</b>
	<b>Issue 1, February 1994</b>
	<p>Ameritech offers an Analog Display Services Interface (ADSI) Feature Download service. This document describes the ADSI feature download service that will be available to Ameritech customers in all locations in Ameritech territory. The market needs of Ameritech's customers will dictate the use of the ADSI feature download service offering.</p>

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AM TR-NIS-000125	<b>Ameritech Personal Communication Services (PCS) Wholesale Access Service for PCS Routing and Home Database Service Network Interface Specification</b>
	<b>Issue 1, March 1994</b>
	<p>Ameritech offers a PCS Routing and Home Database Wholesale Access Service. The PCS Routing and Home Database Wholesale Access Service is scheduled for availability in the Chicago and Detroit Metropolitan Service Areas (MSAs) in the fourth quarter of 1994. The service is scheduled to be extended to the Indianapolis, IN, Cleveland, OH, Columbus, OH, and Milwaukee, WI, MSAs in the first quarter of 1995. These six Metropolitan Serving Areas (MSAs) coincide with the FCC defined "Major Trading Areas" that are scheduled to be licensed for PCS use in May of 1994. Access to the Ameritech Home Database is gained from within the Chicago LATA. Future deployment of PCS Routing and Home Database Service will be scheduled as the market demands.</p>

AM TR-NIS-000127	<b>Ameritech's Electronic Bonding Gateway Interface</b>
	<b>Issue 1, August 1994</b>
	<p>The document describes the Ameritech Electronic Bonding Gateway service that will be available to Ameritech customers in all locations in Ameritech Territory. The market need of Ameritech's customers will dictate the use of the Electronic Bonding Gateway.</p>

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AM TR-NIS-000128	<b>Ameritech Advanced Video Service Interface Specifications</b>
	<b>Issue 3, October 1996</b>
	<p>Issue 3 of Ameritech’s point-to-point and point-to-multipoint interactive video service includes the addition of a fiber transmission medium and changes to some of the system performance objectives to better reflect results under actual operative conditions.</p> <p><b>NOTE: Users should be aware of the date of this document. There have been numerous changes to the ordering system since its creation. Those changes do not impact the actual interface to the User. Users interested in this service should check with their Account Manager for current ordering information.</b></p>

AM TR-NIS-000130	<b>Ameritech Multichannel Video Service Interface Specifications</b>
	<b>Issue 1, March 1995</b>
	<p>The Ameritech Multichannel Video Service (AMVS) provides for the one-way transmission of multiple, high-quality National Television Standards Committee (NTSC) analog and digital video and audio channels from a customer's premises to an Ameritech video hub office. AMVS can also be configured to transport these signals from a video hub office to the customer premises. Employing fiber optic technology, this service has a high degree of reliability and maintainability. Each AMVS channel may accommodate a signal, uncompressed analog video signal (with its associated audio) or a digital content stream, composed of digitally multiplexed MPEG-2 system-compliant encoded video and audio streams. This publication provides the specifications for the electrical and optical interfaces between the customer and AMVS facilities.</p> <p><b>NOTE: Users should be aware of the date of this document. There have been numerous changes to the ordering system since its creation. Those changes do not impact the actual interface to the User. Users interested in this service should check with their Account Manager for current ordering information.</b></p>

AM TR-NIS-000131	<b>Ameritech Supertrunking Video Service Interface Specifications</b>
	<b>Issue 2, October 1995</b>
	<p>This second issue of Ameritech's analog multicast video and audio transport service interface description contains several revisions to the system performance objectives which better reflect the expected results under live service conditions.</p>

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AM TR-NIS-000133	<b>Ameritech OC-3, OC-12 and OC-48 Dedicated Ring Service Interface Specifications</b>
	<b>Issue 1, March 1995</b>
	<p>Ameritech offers Ameritech OC-3, Ameritech OC-12 and Ameritech OC-48 Dedicated Ring Services based on Synchronous Optical Network (SONET) transport standards. Ameritech Dedicated Ring services provide customers a dedicated transport network in the form of a ring topology between one or more Ameritech network locations and one or more customer premises locations. A ring is defined as a set of nodes at these locations and interconnecting fibers to form a closed loop. Protection switching functions are employed across the ring which provide for the delivery of transport services with the highest availability, survivability and reliability. This publication provides the specifications for the required functions and optical interfaces between customer-owned ring nodes and Ameritech Dedicated Ring services.</p>

AM TR-NIS-000137	<b>Ameritech Serial Component Video Service Interface Specifications</b>
	<b>Issue 2, December 1996</b>
	<p>The Ameritech Serial Component Video Service (SCVS) provides for the one-way transmission of a serial component signal over digital broadband (270 Mbps) video facilities between two customers' premises. Employing fiber optic technology, this service has a high degree of reliability and maintainability. Each SCVS channel will accommodate a single ANSI/SMPTE 259 M-1993 serial digital video formatted signal. This service will initially be offered within selected areas of Illinois and Michigan, and will be expanded to other areas as the need arises. This publication provides the specifications for the electrical and optical interfaces between the customer and SCVS facilities.</p>

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AM TR-NIS-000152	<b>Interconnection to an Ameritech 9-1-1 Selective Routing Switch via SS7 Trunks as a Substitute for CAMA Signaling</b>
	<b>Issue 1, January 29, 1999</b>
	<p>The main purpose of this technical reference is to describe a method to deliver a 9-1-1 call to an Ameritech 9-1-1 Selective Routing Switch using SS7 signaling as an alternative to CAMA signaling. This interface defines signaling parameters that will allow the delivery of both wireline and wireless 9-1-1 calls into the Ameritech 9-1-1 Network. This interface will allow the delivery of a wireline caller's telephone number (i.e., ANI or CPN) to be used for 9-1-1 selective routing and call delivery purposes. This interface will also allow for the delivery of a pseudo-ANI representing a wireless caller's location for 9-1-1 selective routing and call delivery purposes.</p>

AM TR-NPL-000001	<b>Public Packet Services Technical Interface Specifications</b>
	<b>Issue 2, September 1988</b>
	<p>Establishes standardized interfaces to the Ameritech Packet Switch Network for full duplex data communications on a switched telephone network.</p> <p><b>NOTE: This document is being provided for historical reasons. Readers are cautioned to note the date. Ameritech complies with standards that apply to this interface.</b></p>

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AM TR-NPL-000002	<b>Technical Interface Specifications for X.25 Service</b>
	<b>Issue 2, May 1988</b>
	<p>This technical reference describes an X.25 interface between Data Terminal Equipment (DTE) and Data Circuit Terminating Equipment (DCE) operating in a packet mode environment.</p> <p><b>NOTE: This document is being provided for historical reasons. Readers are cautioned to note the date. Ameritech complies with standards that apply to this interface.</b></p>

AM TR-NPL-000003	<b>Technical Interface Specifications for Asynchronous Service</b>
	<b>Issue 2, May 1988</b>
	<p>This technical reference describes the interface protocols necessary for asynchronous devices to communicate with packet mode DTE or other asynchronous equipment via the public packet switched network.</p> <p><b>NOTE: This document is being provided for historical reasons. Readers are cautioned to note the date. Ameritech complies with standards that apply to this interface.</b></p>

AM TR-NPL-000004	<b>Electronic Business Service Network Access Interface Specification</b>
	<b>Issue B, December 1988</b>
	<p>This document describes the physical, electrical, and network protocol aspects of the Northern Telecom DMS<sup>®</sup>-100 Electronic Business Service and is intended for the use of both Ameritech customers and Customer Premises Equipment (CPE) manufacturers. The scope of this document allows CPE manufacturers to design and build terminal sets that will function satisfactorily with the Electronic Business Service.</p> <p><b>* DMS is a registered trademark of Northern Telecom.</b></p>

AM TR-NPL-000005	<b>Technical Interface Specifications Datapath<sup>™</sup> Network Access Interface</b>
	<b>Issue 1, December 1985</b>
	<p>Defines the performance and compatibility requirements for terminal equipment that will be directly connected to the interface for Datapath<sup>™</sup> service. Datapath<sup>™</sup> service will be provided from a Northern Telecom DMS<sup>®</sup>-100 Family Switch within some or all of the companies within the Ameritech Region and is planned to provide the user with a circuit switched data transmission service. * Datapath is a trademark of Northern Telecom.</p> <p><b>* DMS is a registered trademark of Northern Telecom.</b></p> <p><b>NOTE: This service is also known as Switched 56 kbps service and is only available from the Nortel DMS switch.</b></p>

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AM TR-NPL-000006	<b>Technical Interface Integrated Business Network Attendant Console</b>
	<b>Issue 1, December 1985</b>
	<p>Contains customer-provided equipment requirements needed to be compatible with the network interface provided by the Ameritech operating company for the Business Services and a DMS<sup>®</sup>-100 or DMS<sup>®</sup>-250 Northern Telecom switching machine.</p> <p><b>* DMS is a registered trademark of Northern Telecom.</b></p>

AM TR-NPL-000007	<b>Digital Service Interface Specifications, Type 1</b>
	<b>Issue B, December 1988</b>
	<p>This interface specification describes the Ameritech operating companies (AOC) Digital Service Interface between the AOC network and the customer's digital data terminal equipment. This technical reference is intended to provide all necessary information to enable implementation of digital service circuits.</p> <p><b>NOTE: the service described in this document (formerly known as DDS) is now known as Ameritech Base Rate service. The document is retained for its historical value and the facility characteristic tables attached to it.</b></p>

AM TR-NPL-000016	<b>Technical Interface Specifications for X.75 Service</b>
	<b>Issue 2, May 1988</b>
	<p>This technical reference describes the interface protocols necessary for communication between the public packet switched network and other networks offering packet mode service by means of an interface conforming to CCITT recommendation X.75.</p>

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AM TR-NTP-000119	<b>Ameritech FAA 20 MHz Wideband Analog Video Service Interface Specifications</b>
	<b>Issue 2, July 1996</b>
	<p>Ameritech's Wideband Analog Video Service provides fiber-based, one-way analog, high-resolution video transport between customer-designated premises. It is capable of transmitting a 945 line/60 field monochrome video signal. This document is being reissued to accommodate a wider customer demand for this service. Previously, it was limited to Digital Bright Radar Indicator Tower Equipment (DBRITE) signal transmission applications.</p>

AM TR-OAT-000033	<b>DS1 Customer Installation: Metallic Interface</b>
	<b>Issue B, January 1990</b>
	<p>The primary purpose of this paper is to convey specific information contained in ANSI STANDARD T1.403-1989, as it applies in the Ameritech region. DS1 customer interface information supporting the ANSI standard may be found in Bellcore TR-NPL-000054: High Capacity Digital Service (1.544 Mb/s) Interface Generic Requirements for End Users. Design references currently in use by the industry may be found in AT&amp;T Technical Reference PUB 62411(A) entitled High Capacity Digital Service Channel Interface Specification.</p> <p><b>NOTE: This document is being provided for historical purposes. Users should note the date of publication. SBC/Ameritech generally adheres to current industry standards for DS1 Interfaces to end user customers.</b></p>

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AM TR-OAT-000034	<b>Service Description and Interface Requirements for Ameritech's CATV Order Entry Service</b>
	<b>Issue 1, November 1990</b>
	<p>This document describes the Ameritech CATV Order Entry Service. The Ameritech CATV Order Entry Service is provided for cable television operators. It allows the customers of cable operators to place "Pay-Per-View" orders by dialing a phone number associated with the event. The telephone company central office equipment collects the called number, which represent the event ordered, and the billing telephone number associated with the calling party's line (ANI), and transmits those items of information to the cable television operator. Deployment information is as follows: Toledo and Columbus, Ohio, and Michigan locations including Traverse City, Saginaw, Pontiac, Wayne, and Grand Haven.</p>

AM TR-OAT-000036	<b>Ameritech Call Detail Reporting Service (ACDRS) Interface</b>
	<b>Issue D, June 1997</b>
	<p>This document describes the physical, electrical and protocol aspects of the Ameritech Call Detail Reporting Service (ACDRS) interface.</p>

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AM TR-OAT-000037	<b>Ameritech Digital Switching Network Transmission Plan</b>
	<b>Issue 1, June 1992</b>
	<p>This Technical Reference describes Ameritech’s view on the Digital Switching Network Transmission Plan. It provides design objectives and requirements for conversion to an all-digital switching network. It is compatible with the existing VNL (Via Net Loss) and FL (Fixed Loss) plans and is designed to eventually replace them.</p> <p><b>NOTE: This document is provided for reference only. Much of the Ameritech network has been converted to integrated digital technologies with a fixed loss plan conforming to ANSI standards.</b></p>

AM TR-OAT-000040	<b>Ameritech Operating Companies Uniform Equal Access Dialing Plan</b>
	<b>Issue 2, July 1992</b>
	<p>This Dialing Plan provides the Ameritech routing guidelines associated with Business/Residence, Coin, WATS and Switched Access Services dialing patterns. It defines the route taken and any exceptions for various dialing schemes an end user customer may use. Dialing/routing guidelines are included for 1+ or 0 access codes, 10XXX+ dialing, international calling, service access codes, cut through, Directory Assistance, and vacant code treatment. It is Ameritech’s intent to route IC traffic based on the routing instructions as prescribed by this plan. Updates to the plan will be on an as-needed basis.</p> <p><b>NOTE: Anyone reading this document should be aware of its publication date. Many changes have occurred in Access Services and methodologies since it was issued.</b></p>

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AM TR-OAT-000060	<b>Mechanized Invoice for Billing Verification and Authorization for Payment Process (BVAPP)</b>
	<b>Issue 2, September 1992</b>
	<p>This document is provided to establish structure for Mechanized Invoice to be electronically transmitted to Ameritech Bell Companies (ABCs) from vendors in compliance with the American National Standards Institute (ANSI) and meeting requirements of the Ameritech Billing Verification and Authorization for Payment Process (BVAPP) within the Plug-In Inventory Control System/Detailed Continuing Property Record (PICS/DCPR).</p> <p><b>NOTE: Readers should note the date of this document and contact their procurement representative for this service.</b></p>

AM TR-OAT-000061	<b>Mechanized Order Acknowledgment for Billing Verification and Authorization for Payment Process (BVAPP)</b>
	<b>Issue 2, September 1992</b>
	<p>This document is provided to establish structure for Mechanized Order Acknowledgment to be electronically transmitted to Ameritech Bell Companies (ABCs) from vendors in compliance with the American National Standards Institute (ANSI) and meeting requirements of the Ameritech Billing Verification and Authorization for Payment Process (BVAPP) within the Plug-In Inventory Control System/Detailed Continuing Property Record (PICS/DCPR).</p> <p><b>NOTE: Readers should note the date of this document and contact their procurement representative for service.</b></p>

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AM TR-OAT-000065	<b>Ameritech Message Signal Interface (AMSI) and Ameritech Message Signal Interface - Expansion (AMSI-E)</b>
	<b>Issue 1, July 1990</b>
	This technical reference is published by Ameritech to provide a technical description of the interface between Customer Premises Equipment and Ameritech Central Offices to support the Ameritech Message Signal Interface (AMSI) and the Ameritech Message Signal Interface - Expansion (AMSI-E).

AM TR-OAT-000067	<b>Ameritech Inmate Calling Service</b>
	<b>Issue 2, February 1991</b>
	A second issue of the Ameritech Inmate Calling Service Technical Reference has been released to define an additional interface that Ameritech may elect to use. Ameritech Inmate Calling Service is offered to correctional facilities as a means to restrict telephone fraud and annoyance calls from prison inmates. This technical release describes both the new and the previously disclosed physical interfaces and associated protocols required to access the service.

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AM TR-OAT-000069	<b>Common Channel Signaling (CCS) Network Interface Specification</b>
	<b>Issue 3, August 1993</b>
	<p>This updated technical reference will provide additional technical description of the network interface, using Signaling System 7 (SS7) protocol, between Ameritech operating company (AOC) networks and other interconnecting networks such as Interexchange Carriers, International Carriers, Exchange Carriers, Independent Telephone Companies, Cellular and Enhanced Service Providers.</p> <p><b>NOTE: This document is being provided for historical reasons. Readers are cautioned to note the date. Ameritech complies with standards that apply to this interface.</b></p>

AM TR-OAT-000070	<b>Ameritech OPTINET™ 64 Interface Specifications</b>
	<b>Issue 1, September 1990</b>
	<p>This technical reference is published by Ameritech to provide a technical description of the interface between Customer Premises Equipment and Ameritech Central Offices to support the Ameritech OPTINET™ 64 service.</p> <p><b>* OPTINET is a trademark of Ameritech Base Rate Service.</b></p> <p><b>NOTE: The service designation "OPTINET" has been dropped with regard to this service. The general term "Ameritech Base Rate Service is used instead to refer to all digital services at the DS0 rate.</b></p>

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AM TR-PSS-000032	<b>Ameritech ACD/MIS Service Network Interface Specifications</b>
	<b>Issue 1, February 1990</b>
	<p>This technical reference is published by Ameritech to inform the industry of the application message protocol which exists between the Northern Telecom DMS<sup>®</sup>-100 switch and the ACD Management Information System. This document describes the architecture, data stream requirements and the messaging protocol of the DMS<sup>®</sup>-100 ACD/MIS interface to the customer premises MIS processor.</p> <p><b>* DMS is a registered trademark of Northern Telecom.</b></p>

AM TR-SID-000147	<b>Wireless Service Providers Interconnection to a 911 Database</b>
	<b>Issue3, November 1998</b>
	<p>The main purpose of this technical reference is to provide a description of the following interfaces in a Wireless 911 (W911) system: 1) The interface between a Mobile Switching Center (MSC) protocol converter device and the E911 database; and 2) The interface between the MSC's Signaling Control Point (SCP) and the E911 database. Both interfaces establish a data link from a Wireless Service Provider (WSP) network to the E911 database located in Ameritech's network.</p>

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AM TR-TMO-000064	<b>Ameritech OPTINET™ Reconfiguration Interface Specifications</b>
	<b>Issue 2, August 1991</b>
	<p>Issue 2 of the interface specification for Ameritech OPTINET Reconfiguration Services has been released. This new issue changes the name of the service (formerly Ameritech Network Reconfiguration Service) and deletes references to the Ameritech packet network.</p> <p><b>* OPTINET is a trademark of Ameritech Digital Service.</b></p> <p><b>NOTE: The service designation "OPTINET" has been dropped with regard to this service. the general term "Ameritech Digital Service is used instead, and refers to all digital services, from DS0 through DS3.</b></p>

AM TR-TMO-000073	<b>Interface of an E911 PSAP to a 1A ESS™Switch and to an E911 Database</b>
	<b>Issue 1, September 1991</b>
	<p>This document has been prepared by Ameritech as a technical reference that provides descriptions of interfaces in two areas of an E911 system: The interface between a 1A ESS switch and a public safety answering point (PSAP); and the interface between an E911 database and a PSAP. The first interface is from a switch via automatic number identification (ANI) trunks to the ANI trunk controller at the PSAP. The second interface is from a node of a database system via data links to the automatic location identification (ALI) multiplexer at the PSAP. Both the ANI controller CPE and the ALI multiplexer CPE are generally referred to as common PSAP equipment.</p> <p><b>* 1A ESS is a trademark of Lucent</b></p>

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AM TR-TMO-000080	<b>Ameritech Services Network Channel and Network Channel Interface Codes</b>
	<b>Issue 3, February 1995</b>
	<p>This publication will serve as a user guide for Exchange and InterLATA Access Services. It provides a list of code combinations formerly in various tariff documents. This document provides currently available code combinations and eliminates typographical errors or technically not feasible combinations formerly reflected in tariff documents. Technical specifications and customized options may be found in the applicable references listed in the table of contents.</p>

AM TR-TMO-000094	<b>Switched Access Service Feature Group D</b>
	<b>Issue 1, August 1992</b>
	<p>This document describes the Switched Access Feature Group D (FGD) Service and its use for the transport of Public Switched Digital Service (PSDS) or Integrated Services Digital Network (ISDN) traffic.</p> <p><b>NOTE: Anyone reading this document should be aware of its publication date. Changes may have occurred in Switched Access Services and methodologies since it was issued. These changes may not impact the interface, but could impact the ordering process and options.</b></p>

AM TR-TMO-000101	<b>Ameritech Digital Service Transmission Parameters</b>
	<b>Issue 3, August 1995</b>
	<p>This document states the transmission parameters and objectives for Ameritech Base Rate, Ameritech DS-1, Ameritech DS-3 Services, Ameritech OC-N Services, and Ameritech OC-N Dedicated Ring Services. Ameritech Base Rate, Ameritech DS-1, Ameritech DS-3 Services, Ameritech OC-N Services, and Ameritech OC-N Dedicated Ring Services provide a transmission path between customer designated premises, or a customer designated premises and an Ameritech location where multiplexing and/or cross-connection functions are performed.</p>

AM TR-TMO-000106	<b>Service Description and Interface Requirements for Ameritech FT-1 Digital Service</b>
	<b>Issue 2, July 1994</b>
	<p>This document describes the Fractional T-1 (FT-1) Access Service offered by Ameritech. This service provides the customer with 128, 256, or 384 kilobits per second (Kbps) of usable bandwidth.</p>

AM TR-TMO-000114	<b>Metallic Service Interface Specification (IntraLATA and Special Access Service)</b>
	<b>Issue 1, January 1994</b>
	<p>This Technical Reference describes the Metallic Grade Services interface combinations and technical requirements supported by Ameritech. In particular, it provides a quantitative and qualitative description of the services and their interfaces at the customer locations.</p>

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AM TR-TMO-000122	<b>Ameritech Unbundled Analog Loops</b>
	<b>Issue 4, July 1997</b>
	<p>This is the first of three documents that describe the transmission parameters for Ameritech’s Unbundled Analog Loops, Unbundled Digital Loops and Unbundled Switch Ports. The Unbundled Loops provide a transmission path between a customer premises and the Ameritech Central Office serving that premises. The Unbundled Switch Port is a combination of central office equipment and software that provides a connection to public switched networks.</p>

AM TR-TMO-000123	<b>Ameritech Unbundled Digital Loops</b>
	<b>Issue 4, July 1997</b>
	<p>This is the second of three documents that describe the transmission parameters for Ameritech’s Unbundled Analog Loops, Unbundled Digital Loops and Unbundled Switch Ports. The Unbundled Loops provide a transmission path between a customer premises and the Ameritech Central Office serving that premises. The Unbundled Switch Port is a combination of central office equipment and software that provides a connection to public switched networks.</p>

AM TR-TMO-000124	<b>Ameritech Unbundled Switch Ports</b>
	<b>Issue 5, July 1997</b>
	<p>This is the third of three documents that describe the transmission parameters for Ameritech’s Unbundled Analog Loops, Unbundled Digital Loops and Unbundled Switch Ports. The Unbundled Loops provide a transmission path between a customer premises and the Ameritech Central Office serving that premises. The Unbundled Switch Port is a combination of central office equipment and software that provides a connection to public switched networks.</p>