

ACCESS SERVICE  
CHECK SHEET

Title Pages 1 and 2 and Pages 1 to 17-100, inclusive, of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement Nos. 1 contain all changes from the original Tariff that are in effect on the date hereof.

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## ACCESS SERVICE

## EXPLANATION OF ABBREVIATIONS (Cont'd)

ADM	-	Add/Drop Multiplexing
f	-	frequency
FI	-	Facility Interface
FID	-	Field Identifier
F.C.C.	-	Federal Communications Commission
FX	-	Foreign Exchange
HC	-	High Capacity
Hz	-	Hertz
IC	-	Interexchange Customer
ICB	-	Individual Case Basis
ICL	-	Inserted Connection Loss
ILP	-	Initial Liability Period
IXC	-	Interexchange Channel
kbps	-	kilobits per second
kHz	-	kilohertz
LATA	-	Local Access and Transport Area
LDMTS	-	Long Distance Message Telecommunications Service(s)
Ma	-	milliamperes
Mbps	-	Megabits per second
MHz	-	Megahertz
MM-VCC	-	MultiMedia Virtual Circuit Channel
MMUC	-	Minimum Monthly Usage Charge
MRC	-	Monthly Recurring Charge

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NNI	-	Network to Network Interface
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NTS	-	Non-Traffic Sensitive
NXX	-	Three Digit Central Office Code
OLT	-	Optical Line Termination
OMF	-	Optional Miscellaneous Functions
OTPL	-	Zero Transmission Level Point
PBX	-	Private Branch Exchange
PCM	-	Pulse Code Modulation
PI	-	Priority Installation
PLR	-	Private Line Ringdown
POI	-	Point of Interface
PR	-	Priority Restoration
PSTN	-	Public Switched Telephone Network
PVU	-	Percent VoIP Usage
rms	-	root-mean-square
RMS	-	Remote Switching Modules
RSS	-	Remote Switching Systems

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TDM	-	Time Division Multiplexing
UBR	-	Unspecified Bit Rate
UNI	-	User Network Interface
VBR-nrt	-	Variable Bit Rate- non-real time
VBR-rt	-	Variable Bit Rate- real time
VCC	-	Virtual Circuit Channel
VoIP	-	Voice over Internet Protocol
VP	-	Virtual Path

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

TR-NWT-000334 Issue 2 Voice Grade Switched Access Service - Transmission Parameter Limits and Interface Combinations  
Issued: September 1990

TR-TSY-000335, Issue 2 Voice Grade Special Access Service - Transmission Parameter Limits and Interface Combinations  
Issued: May 1990

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TR-NPL-000337 Program Audio Special Access Service and Local Channel Services  
Issued: July 1987

TR-NPL-000338 Television Special Access and Local Channel Services - Transmission Parameter Limits and Interface Combinations  
Issued: December 1986

TR-NWT-000341 Digital Data Special Access Service - Transmission Parameter Limits and Interface Combinations  
Issued: Issue 2, February 1993

TR-INS-000342 High Capacity Digital Special Access Service  
Issued: February 1991

SR-STS-000307 Issue 5 NC/NCI Code Dictionary  
Issued: May 1994

TR-TSY-000506 LATA Switching Systems Generic Requirements (LSSGR) Section 6  
Issued: October 1987, Revised December 1988, Revised June 1990

TR-NPL-000054 High Capacity Digital Service (1.544 Mbs) Interface Generic Requirements for End Users  
Issued: April 1989 Available: April 1989

TR-TSV-000905 Common Channel Signaling Network Interface Specification Supplement 1  
Available: August 1989

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## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.1 Network Channel (NC) Codes

In order to determine the NC code appropriate for the service to be ordered, the type of Special Access Service the customer wishes must be identified. This identification is accomplished by a Service Designator (SD) code. The broad categories of Service Designator codes (e.g., VG) are set forth in Section 7. preceding. Variations within service type (e.g., VG1) are described in the various Technical Publications cited in (A) through (G) following.

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Having determined the specific service type to be ordered and its SD code, and having used the appropriate Technical Publication, the customer should match the SD code to the NC code using the following matrices. Once the NC code has been determined, the Network Channel Interface (NCI) code may be developed using the information set forth in 15.2.2 following and the guidelines concerning specific parameters available for each service type as set forth in the specified Technical Publication.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)

15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes (Cont'd)

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes

The electrical interface with the Telephone Company for Special Access Services, is defined by an interface code. There are interface codes for both the customer designated premises and the point of termination. Three examples of NCI codes are found in 15.2 preceding.

(A) Parameter Codes and OptionsParameter

<u>Code</u>	<u>Option</u>	<u>Definition</u>
AB	-	accepts 20 Hz ringing signal at customer's point of termination
AC	-	accepts 20 Hz ringing signal at customer's end user's point of termination
AH	-	analog high capacity interface
	- B	60 kHz to 108 kHz (12 channels)
	- C	312 kHz to 552 kHz (60 channels)
	- D	564 kHz to 3084 kHz (600 channels)
CT	-	Centrex Tie Trunk Termination
CS	-	digital hierarchy interface at Digital Cross Connect System (DCS)
	- 15	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) Format and B8ZS Clear Channel Capability
	- 15A	1.544 Mbps (DS1) Superframe (SF) format
	- 15B	1.544 Mbps (DS1) Superframe (SF) format and B8ZS Clear Channel Capability
	- 15K	1.544 Mbps (DS1) Extended Superframe (ESF)
DA	-	data stream in VF frequency band at customer's end user's point of termination
DC	-	direct current or voltage
	- 1	monitoring interface with series RC combination (McCulloh format)
	- 2	Telephone Company energized alarm channel
	- 3	Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)
DD	-	DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination
DE	-	DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(A) Parameter Codes and Options (Cont'd)Parameter (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
PG	-	program transmission - no dc signaling
	-	1 nominal frequency from 50 to 15000 Hz
	-	3 nominal frequency from 200 to 3500 Hz
	-	5 nominal frequency from 100 to 5000 Hz
	-	8 nominal frequency from 50 to 8000 Hz
PR	-	protective relaying*
QB	-	central office manual cross connect termination with no subrating capability
RV	- 0	reverse battery signaling, one way operation, originate by customer
	- T	reverse battery signaling, one way operation, terminate function by customer or customer's end user
SF	-	single frequency signaling with VF band at either customer POT or customer's end user POT

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\* Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces

The following tables show the Network Channel Interface codes (NCIs) which are compatible:

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