Critical Release Notice

Publication number: 297-2401-351
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The content of this customer NTP supports the SN06 (DMS) and ISN06 (TDM) software releases.

Bookmarks used in this NTP highlight the changes between the baseline NTP and the current release. The bookmarks provided are color-coded to identify release-specific content changes. NTP volumes that do not contain bookmarks indicate that the baseline NTP remains unchanged and is valid for the current release.

Bookmark Color Legend

Black: Applies to new or modified content for the baseline NTP that is valid through the current release.

Red: Applies to new or modified content for NA017/ISN04 (TDM) that is valid through the current release.

Blue: Applies to new or modified content for NA018 (SN05 DMS)/ISN05 (TDM) that is valid through the current release.

Green: Applies to new or modified content for SN06 (DMS)/ISN06 (TDM) that is valid through the current release.

Attention!
Adobe® Acrobat® Reader™ 5.0 is required to view bookmarks in color.

Publication History

March 2004

Standard release 03.02 for software release SN06 (DMS) and ISN06 (TDM).

Change of phone number from 1-800-684-2273 to 1-877-662-5669, Option 4 + 1.

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DMS-100 Family

ISDN

Feature Provisioning Guide

CCM05 Standard 03.01 December 1995

northern telecom

DMS-100 Family

ISDN

Feature Provisioning Guide

Publication number: 297-2401-351
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Publication history

December 1995

CCM05 Standard 03.01

- released for corrections to the list of terms

June 1995

CCM04 Standard 02.01

- released due to the new DRU numbering scheme

August 1994

BCS36 and up Standard 01.03

- added the sections "PPSN Generic Requirements (TR301)" and "ISDN X.25 Supplementary Services (TR846)"
- revised the section "Call Forward (TR853)" as follows:
  - added notes to describe the override ACR (OVRDACR) parameter
  - changed information to indicate that Northern Telecom does not support the service identified by Bellcore keyword CFV1ECC=NANSR
  - added information about the services identified by Bellcore keywords CFD1ECC and CFB1ECC
- revised the section "ISDN Basic Call (TR268)" as follows:
  - changed information under Bellcore keyword NPT to indicate that tones and announcements are always supported for call type voiceband information (VI)
  - changed information under Bellcore keywords T400 and T401 to indicate the Northern Telecom implementation of interdigit timers

December 1993

BCS36 and up Standard 01.02

- reformatted tables
- corrected error in "Basic Business Group" section
- corrected errors in "Calling Number ID Services" section

- corrected error in "Initialization" section
- corrected errors in "ISDN Basic Call" section

September 1993

BCS36 and up Preliminary 01.01 first release of the document.

Contents

About this document

When to use this document

This document contains tables mapping the Bellcore TR199/TA199 names for NI-1 features to those names used by Northern Telecom. It is written for personnel responsible for provisioning Northern Telecom's National ISDN 1 (NI-1) features for DMS-100 circuit- and packet-switched services.

How to check the version and issue of this document

The version and issue of the document are indicated by numbers, for example, 01.01.

The first two digits indicate the version. The version number increases each time the document is updated to support a new software release. For example, the first release of a document is 01.01. In the *next* software release cycle, the first release of the same document is 02.01.

The second two digits indicate the issue. The issue number increases each time the document is revised but rereleased in the *same* software release cycle. For example, the second release of a document in the same software release cycle is 01.02.

To determine which version of this document applies to the software in your office and how documentation for your product is organized, check the release information in *DMS-100 Family Guide to Northern Telecom Publications,* 297-1001-001.

References in this document

The following documents are referred to in this document:

- *Translations Guide*
- *SERVORD Reference Manual*
- *Meridian Digital Centrex Simplified Message Desk Interface Set-up and Operation*, 297-2051-104
- *ISDN Service Orders for ISDN Terminals Reference Manual*, 297-2401-310
- *DMS-100 Meridian Digital Centrex ISDN Features Guide*, 50010.08

About National ISDN-1 provisioning

Integrated services digital network (ISDN) is a set of standards for end-to-end digital voice and data transmission over the public switched network. These standards, defined by the Consultative Committee on International Telephony and Telegraphy (CCITT), are modified for use in North America in accordance with the recommendations of Bell Communications Research (Bellcore). ISDN standards specify physical interfaces, electrical characteristics, protocols for encoding information in the network, and standards for the operation and processing of call features such as Call Waiting and Call Forward.

National ISDN-1

The Corporation for Open Systems (COS) is a nonprofit organization of switch vendors, Bell operating companies, computer and data equipment manufacturers, and major ISDN users. It was formed to encourage the widespread deployment of a standards-based telecommunications network-ISDN-through vendor cooperation. National ISDN-1 (NI-1) represents the commitment of COS to develop and market a standards-based ISDN offering.

National ISDN-1 and the agreement on ISDN standards was needed because each vendor offered a slightly different version of ISDN that was incompatible with equipment from other vendors. The implementation of the new standards allows all ISDN products to interwork with other vendors' products and allows many new services on the public network. Compliance with the National ISDN-1 agreement removes the barriers that have delayed ISDN deployment: unstable standards, proprietary implementations, and the lack of a commercially viable set of calling features and services.

Northern Telecom's ISDN product delivers National ISDN-1 compliance for host offices, meeting most of the NI-1 standards. However, as the Northern Telecom feature names differ in some cases from the Bellcore feature names, this document is provided to correlate the two nomenclatures.

The tables in this guide provide the mapping between the Bellcore (TR199/TA199) names for NI-1 features and those used by Northern Telecom. There is a table for each NI-1 feature, in alphabetical order by

Bellcore feature name. As well as the correlation between feature names and a brief description of the feature, each table provides an overview of how to provision the feature, and a reference to the Northern Telecom document in which provisioning is described in greater detail. Within each feature table, each Bellcore parameter, or keyword, is compared to its corresponding Northern Telecom parameter.

This guide contains NI-1 circuit-switched and packet-switched features. For complete information about provisioning ISDN services, refer to the "ISDN BRI" section of the *Translations Guide*, and to *ISDN Service Orders for ISDN Terminals Reference Manual,* 297-2401-310. For information about provisioning Meridian Digital Centrex features, refer to the "Meridian Digital Centrex" section of the *Translations Guide.*

Feature tables

This guide contains a table for each NI-1 feature, in alphabetical order by Bellcore feature name. Each feature table contains the following elements:

- **Bellcore keyword**-the name of the Bellcore keyword or parameter (according to TA199).
- **Bellcore service**-a brief description of the Bellcore service, including the type of parameter, the possible values, and the default, where applicable.
- **NT keyword**-the corresponding NT feature name or keyword. This keyword can be used to search for NT documentation on CD-ROM.
- **NT service**-a brief description of the corresponding NT service.
- **Assignment**-an overview of how to provision the feature.
- **Notes**-Any special notes relating to the feature; a reference to the NTP in which feature provisioning information is provided in detail (typically, a SERVORD, translations, or data schema book). The reference to other NTPs consists of the document number, and the title of the feature (which can be found in the table of contents of the SERVORD books), or the table name (which is found in alphabetical order in the data schema books), or a chapter number and the title within the chapter.

Because the guide is organized by Bellcore feature, the provisioning information provided in the tables is not intended to be in procedural format and is somewhat repetitive. For instance, as assigning the primary directory number (DN) is a prerequisite to assigning most other features, it is mentioned many times; however, the user is aware that each terminal's primary DN needs to be assigned only once. For a procedural approach to datafilling Basic Rate Interface (BRI), refer to the "ISDN BRI" section of the *Translations Guide*.

Uppercase letters are used to indicate characters that are typed into the terminal as is, and lowercase letters indicate variables.

Additional Call Offering (TR857)

Feature name

Additional Call Offering (TR857)

Restrictions

Only parameters associated with ACO-Unrestricted For All Calls are supported; parameters associated with Dial Call Waiting are not supported.

Additional Call Offering (TR857)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
ACO	Additional Call Offering-Unrestricted DN/CT parameter	ACOU	Additional Call Offering-Unrestricted DN parameter default is none	For non-EKTS terminals, assign option ACOU to an OPTKEY number with the SERVORD command ADO. After assigning Additional Functional Call (AFC) keys, refer to AFCCALLS keyword on p. 2-2. ACOU cannot be assigned to EKTS terminals directly, but the ACO capability can be assigned automatically with the AFC option for non-shared DNs. Refer to AFCCALLS keyword on p. 2-2.
		Note 1: Refer to "Additional Call Offering" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: ACOU cannot be assigned to shared DNs.		

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Additional Call Offering (TR857) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
NBL	notification busy limit DN/CT parameter value range is 0 to 15 default is 1	NBL	notification busy limit LTID parameter value range is 0 to 4 default is none	For non-EKTS terminals, when SERVORD prompts for NBL, enter the number of simultaneous call waiting calls required. For EKTS terminals, NBL is equal to the number of AFC keys assigned. Refer to AFCCALLS keyword on p. 2-2.
CRBL	call reference-busy limit DN/CT parameter value range is 1 to 16 default is the number of B-channels subscribed for the DN/CT	AFCCALLS	CRBL equals the number of AFC keys assigned plus the primary DN DN parameter value range is 0 to 5 (up to 4 additional functional calls can be assigned) default is none	Assign options AFC to an OPTKEY number with the SERVORD command NEW or ADO. When SERVORD prompts for AFCCALLS, enter the number of additional functional calls required (CRBL-1).
		Note 1: Refer to "Additional Call Offering" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: AFC keys must be contiguous with the DN key.		
-end-				

Automatic Call Back (TR855)

Feature name

Automatic Call Back (TR855)

Restrictions

Timers ACBT2, ACBT4, and ACBT5 are not supported.

Automatic Call Back (TR855)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
ACB	Automatic Call Back assignment indicator TSP/DN/CT parameter value is yes or no default is no	RAG	Ring Again LTID parameter value is yes or no default is no	Assign option RAG to an OPTKEY with the SERVORD command ADO.
		Note 1: Refer to "RAG-Ring Again" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
		Note 2: If AFC is assigned on the called party, ACOU must be assigned in order for RAG to work. Refer to "Additional Call Offering" on p. 2-1.		
		Note 3: For ACB on an intra-switch basis or in an all-trunks-busy condition, refer to "Call Back Queuing" in the *Translations Guide*.		

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Automatic Call Back (TR855) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
ACBT	Automatic Call Back DN/CT parameter value is ITRABG, ITRASW, or URSTR	none	RAG operates on an intra-customer group basis only. default is URSTR	none
ACBT= ITRABG	ACB operates on intra-business group basis only	none	RAG operates on an intra-customer group basis only no parameter	Automatically assigned when RAG option is assigned.
		Note: The called DN must be a member of the customer group.		
ACBT= URSTR	ACB operates on an unrestricted basis	none	not supported	none

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Automatic Call Back (TR855) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
ACBTYPE	Automatic Call Back type (version) BBG parameter/ per-switch parameter value is ACB (ACB basic version) or ACBADC (ACB/ any designated call version)	none	no parameter default is RAG only	none
ACBMA	Automatic Call Back maximum allowed per-switch parameter value is in the range of 1 to 30 default is 1	none	RAG supports one call queued per LTID. For multiple appearance DN (MADN) members, RAG supports one call queued per MADN member. no parameter	none

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Automatic Call Back (TR855) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
ACBT1	Automatic Call Back timer 1 per-switch parameter value is 1 to 30 min in increments of 1 min default is 30 min	RAGCANTO	RAG cancellation timeout customer group parameter value is 1 to 30 min in increments of 1 min default is 0 (never times out)	Assign RAGTIM in table CUSTSTN using the table editor: field: OPTNAME enter: RAGTIM RAGCANTO time
		Note: Refer to table CUSTSTN in the data schema section of the *Translations Guide*.		
ACBT3	Automatic Call Back timer 3 BBG parameter/ per-switch parameter value is 30 to 40 s in increments of 1 s default is 35 s	RAGRECTO	RAG recall timeout customer group parameter value is 8 to 32 s in increments of 1 s default is 8 s	Assign RAGTIM in the table CUSTSTN using the table editor: field: OPTNAME enter: RAGTIM RAGCANTO time
		Note: Refer to table CUSTSTN in the data schema section of the *Translations Guide*.		
		-end-		

Basic Business Group (TR849/850)

Feature name

Basic Business Group (TR849/850)

Restrictions

None

Basic Business Group (TR849/850)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
BBG	Basic Business Group identifier BBG parameter value is 1 to 10 characters	CUSTNAME	customer group name customer group parameter value is a1 to 16 character name	Assign CUSTNAME in table CUSTENG using the table editor: field: CUSTNAME enter: customer group name
		Note: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
BGTYPE	Basic Business Group type BBG parameter value is ISDN or non-ISDN default is non-ISDN	none	Customer groups can be any mixture of ISDN and non-ISDN terminals. no parameter	none
		Note: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		
CGI	customer group identifier DN/CT parameter value is 1 to 10 characters or NONE default is NONE	GROUP	DN parameter value is 1 to 16 character name	Assign primary DN to an OPTKEY using the SERVORD command NEW. When SERVORD prompts for GROUP, enter the customer group name.
		Note: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
SFG	SFG for circuit mode identifier SFG parameter value is 1 to 8 characters, or NONE	VFG CUSTNAME	virtual facility group (VFG) key VFG parameter value is a 1 to 6 character name VFG identifier (customer group) LTID parameter	Assign the VFG in table VIRTGRPS using the table editor: field: enter: KEY vfg name INCTYPE IBN CUSTNAME customer group name
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** No input into VIRTGRPS implies no identifier. ***Note 3:*** The name is entered in the KEY field for only the first entry in the VFG.		
GSZ	group size, maximum call limit, for circuit mode SFG SFG parameter	SIZE	number of simultaneous accesses allowed, indicating bandwidth of VFG VFG parameter value is in the range 0 to 2047	Assign the VFG size in the table VIRTGRPS using the table editor: field: enter: VFGTYPE SIZE SIZE size
		Note: The size is entered for only the first entry in the VFG.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
SFGCT	SFG for circuit mode call types SFG parameter value is VI (voiceband), CMD (circuit mode data), or VICMD (VI and CMD)	none	both voiceband and CMD always supported no parameter	Automatically assigned for all VFGs.
SFGTYP	SFG for circuit mode type SFG parameter value is BGIN, BGOUT, BG2WAY, INTICOM, INTAGG, or NONE	VFG	VFG type VFG parameter	Assigned in table VIRTGRPS, as shown for the following keywords.
		Note: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		
SFGTYP= BGIN	business group, incoming traffic	INCTYPE	customer group, incoming traffic	Datafill each VFG with INCTYPE as IBN in table VIRTGRPS: field: enter: INCTYPE IBN
		Note: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
SFGTYP= BGOUT	business group, outgoing traffic	INCTYPE	customer group, outgoing traffic	Datafill each VFG with INCTYPE as POTS in table VIRTGRPS: field: enter: INCTYPE POTS ***Note:*** Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.
SFGTYP = BG2WAY	business group, incoming and outgoing	INCTYPE	customer group, incoming and outgoing traffic	Datafill the first VFG with INCTYPE as POTS, and the second with INCTYPE IBN in table VIRTGRPS: field: enter: KEY vfg name 1 VFGTYPE SIZE SIZE size INCTYPE POTS KEY vfg name 2 VFGTYPE USES USES vfg name 1 INCTYPE IBN ***Note 1:*** Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** The second and subsequent VFG entries include the USES subfield of VFGTYPE, which refers to the first VFG group.

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
SFGTYP= INTICOM	internal intercom	INTRAGRP	intragroup calling	Assign intragroup calling to the VFG in table VIRTGRPS: field: enter: INCTYPE IBN INTRAGRP Y and in table IBNXLA: field: enter: TRSEL EXTN INTRAGRP Y ***Note:*** Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
SFGTYP= INTPFAC	internal, private facilities	INTRAGRP	internal customer group, private facilities	Assign internal customer group private facilities to the VFG in table VIRTGRPS: field: enter: INCTYPE IBN INTRAGRP Y and in table IBNXLA: field: enter: TRSEL EXTN INTRAGRP Y NETTYPE GEN OPTION RTE TABID IBNRTE and in table IBNRTE: field: enter: IBNRTSEL route selector CLLI PRIVFAC and in table TRKGRP: field: enter: GRPTYP IBNTO or IBNT2 ***Note:*** Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide* and table TRKGRP in the data schema section of the *Translations Guide*.

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
SFGTYP= INTAGG	internal, aggregate	INCTYPE	customer group internal, aggregate	Datafill three VFGs with the same size in table VIRTGRPS: field: enter: KEY vfg name 1 VFGTYPE SIZE SIZE size INCTYPE POTS KEY vfg name 2 VFGTYPE USES USES vfg name 1 INCTYPE IBN KEY vfg name 3 VFGTYPE USES USES vfg name 1 INCTYPE IBN
				Note: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.
SFGTYP= NONE	none	none	none	Automatically assigned when no VFG is datafilled.

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
SIABLK	special intercept announce-ment for blocked calls BBG parameter value is yes or no default is no	FLEX_ INTCPT	treatment for blocked call BBG parameter value is 0 to 63 default is vacant treatment	Define a treatment code in table IBNXLA using the table editor: field: enter: TRESEL FLEXI FLEX_INTCPT treatment code
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: The corresponding treatment for each treatment code is datafilled in table IBNTREAT as office data at load-building time.		
SIAINC	special intercept announce-ment for incoming calls BBG parameter value is yes or no default is no	FLEX_ INTCPT	treatment for incoming call to wrong DN BBG parameter default is vacant parameter	Define a treatment code in table IBNXLA using the table editor: field: enter: TRESEL FLEXI FLEX_INTCPT treatment code
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: The corresponding treatment for each treatment code is datafilled in table IBNTREAT as office data at load-building time.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
SIAUDF	special intercept announce-ment for undefined codes BBG parameter value is yes or no default is no	FLEX_ INTCPT	treatment for undefined codes BBG parameter default is vacant treatment	Define a treatment code in table IBNXLA using the table editor: field: enter: TRESEL FLEXI FLEX_INTCPT treatment code
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: The corresponding treatment for each treatment code is datafilled in table IBNTREAT as office data at load-building time.		
BGMAR	business group member access restrictions DN/CT parameter value is SLO, FLO, SLT, FLT, or N	none	LTID parameter value is 0 to 256	none

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
BGMAR= SLO	semi-restricted line for call obligations	none	LTID parameter	Assign primary DN using the SERVORD command NEW.
			value is equal to NCOS value range preset in tables	When SERVORD prompts for LCC, enter ISDNKSET. Respond to the GROUP prompt with a group name, and to the NCOS prompt with an NCOS value. Assign the NCOS value in the routing tables and tables NCOS, COSDATA, and COSMAP.
		Note 1: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*, and tables NCOS, COSDATA, and COSMAP in the data schema section of the *Translations Guide*.		
		Note 2: Call originating screening can be disallowed for all originating calls and allowed for calls forwarded or assisted by an attendant.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
BGMAR= FLO	fully-restricted line for origination	CRL	fully-restricted line for origination	To assign a fully-restricted line for origination (except 911 calls): Assign restricted codes in table CODEBLK: field: enter: CUSTOMER group name NUMBER 911 CRLDATA crl level Assign the code restriction option to the NCOS in the table NCOS: field: enter: NCOSOPTN CRL CRL crl level CRLACT ALLOWED Assign code restriction in table IBNXLA: field: enter: CRL Y ***Note 1:*** Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** In tables CODEBLK and NCOS, in the CRLDATA and CRL fields, enter the code restriction level (in the range of 1 to 15). ***Note 3:*** The line is not totally restricted, in that calls can be forwarded out of the group.
BGMAR= SLT	semi-restricted line for terminations	none	not supported	none

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
BGMAR=FLT	fully-restricted line for terminations	DIN	denied incoming DN parameter value is DIN default is no assignment	Assign the DIN option to a DN OPTKEY using the SERVORD command ADO. When SERVORD prompts for TRC, enter DIN.
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: For complete TR compliance, this DN should not be assigned to a CPU group.		
BGMAR=N	no restriction	none	do not assign CRL	none
DOR	denied origination CN/CT parameter value is yes or no default is no	DOR	denied originating service DN parameter	Assign the DOR option to a DN OPTKEY using the SERVORD command ADO.
		Note: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
DTM	denied termination DN/CT parameter value is yes or no default is no	DTM	denied termination service DN parameter	Assign the DTM option to a DN OPTKEY using the SERVORD command ADO.
		Note: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		
DARCW	distinctive alerting call waiting DN/CT parameter	none	not supported	none
AFRDP	automatic flexible routing dialing plans BBG parameter value is a list of 1 to 4 character alphanumeric strings, or none default is none	ARS	Automatic Route Selection customer group parameter default is none	Assign automatic route selection for a customer group in the table CUSTHEAD using the table editor: field: enter: CUSTNAME group name OPTION ACR AUAC ARS
		Note: Refer to table CUSTHEAD in the data schema section of the *Translations Guide*.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
AFR	automatic flexible routing DN/CT parameter value is 1 to 4 characters or none	ARS	automatic route selection DN parameter default is none	Assign ARS in table IBNRTE: field: enter: IBNRTSEL ARS and in table IBNXLA: field: enter: XLANAME name DGLIDX access code TRSEL NET NETTYPE GEN OPTION RTE TABID IBNRTE KEY index
		Note: Refer to tables IBNRTE and IBNXLA in the data schema section of the *Translations Guide*.		
BBGDP	business group dialing plan identifier BBG parameter value is 1 to 10 characters	CUSTXLA	customer group translator customer group parameter value is 1 to 8 characters	Define the customer group translator name in the table CUSTHEAD using the table editor: field: enter: CUSTXLA translator
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** Define one translator per customer group.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
ATTND	attendant access BBG dial plan parameter value is a digit sequence of 1 to 5 characters, or no default is no	ATT	attendant access customer group parameter value is any access code, typically zero (0) default is no	Define dialing that obtains the customer group attendant in table IBNXLA, using the table editor: field: enter: XLANAME translator DGLIDX access code TRESEL ATT ICI 1
		Note: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment	
INTCM	intercom dialing plan BBG dial plan parameter Value is a list of 1 or more compound codes in the format xxxxxxx-NXXyyyy [-tttt], where xxxxxxx is an intercom code of 1 to 7 digits. NXXyyyy is the associated directory number, and tttt is the call type (CONV, VI, or CMD); or no. default is no	EXTN	extension dialing customer group parameter	Define dialing that obtains an extension in table IBNXLA using the table editor: field: XLANAME DGLIDX TRSEL INTRAGRP SNPA NNX DIGINEXT	enter: translator access code EXTN Y npa nnx (central office code) number of digits in extension (1 to 7)
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** EXTN can be assigned only within one customer group.			

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment	
PUBNET	public network access codes BBG dial plan parameter value is a digit sequence of 1 to 5 characters or no default is no	GEN/DOD	public network access code customer group parameter	Define the public network access code in table IBNXLA using the table editor: field: XLANAME DGLIDX TRSEL NOACCDIG DGCOLNM INTRAGRP NETTYPE	enter: translator access code NET number of access code digits NDGT Y GEN or DOD
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** The access code (DGLIDX) is typically 9. ***Note 3:*** The number of digits in the access code (NOACCDIG) is typically 1.			

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
PVTNET	private network access codes BBG dial plan parameter value is a digit sequence of 1 to 5 characters or no default is no	NET/PVT	private network access code customer group parameter	Define a private network access code in table IBNXLA using the table editor: field: enter: XLANAME translator DGLIDX access code TRSEL NET NOACCDIG number of access code digits DGCOLNM name of digit collection table INTRAGRP Y NETTYPE PVT ***Note 1:*** Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** The digit collection table (DGCOLNM) is defined in tables CUSTHEAD and DIGCOL.

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
SDD	single digit dialing access codes BBG dial plan parameter	none	single digit private network access code customer group parameter	Define a private facility single digit access code in table IBNXLA using the table editor: field: enter: XLANAME translator DGLIDX access code TRSEL NET NOACCDIG 1 DGCOLNM name of digit collection table INTRAGRP Y NETTYPE PVT ***Note 1:*** Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** The digit collection table (DGCOLNM) is defined in tables CUSTHEAD and DIGCOL.

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CATCR	customer access treatment code restriction DN/CT parameter value is in the range 1 to 99	CRL	code restriction DN parameter	Assign restricted and non-restricted codes in table CODEBLK using the table editor: field: enter: CUSTOMER customer group name NUMBER code restriction CRLDATA crl level Assign a code restriction option in table NCOS: field: enter: NCOSOPTN CRL CRL crl level CRLACT ALLOWED or BLOCKED Set CRL in table IBNXLA: field: enter: CRL Y
				Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** In table CODEBLK, the code restriction (NUMBER) is a 3- to 18- digit number. ***Note 3:*** In tables CODEBLK and NCOS, and in fields CRLDATA and CRL, enter the code restriction level in the range of 1 to 15.

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CTRD	code or toll, restriction or diversion DN/CT parameter value is CR (code restriction), CD (code diversion), TDN (toll deny - restriction), TDV (toll diversion), or none default is none	CTD	carrier toll deny DN parameter values are Y or N	Assign the CTD option to a DN using the SERVORD command ADO. Each time SERVORD prompts for CARRIERS, enter a carrier name.
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: Carrier names must be defined in table OCCNAME.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CRDPC	code restriction/ diversion prohibited codes DN/CT parameter value is a list of numerics in any of the following forms: -3 digit NPA -NPA-NXX -011, 1, 01, or 0 followed by up to 10 digits	CRL	code restriction prohibited codes customer group parameter	Define code restriction prohibited codes in table CODEBLK using the table editor: field: enter: CUSTOMER customer group name NUMBER code restriction CRLDATA crl level Define code diversion codes in table ACCODE: field: enter: XLANAME translator FROMD from digits TOD to digits
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** In table CODEBLK, the code restriction (NUMBER) is a 3- to 18- digit number. ***Note 3:*** In table CODEBLK, field CRLDATA, enter the code restriction level in the range of 1 to 15. ***Note 4:*** In table ACCODE, the from digits (FROMD) and to digits (TOD) value is from 1 to 11 digits.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CDT	code diversion treatment DN/CT parameter value is ATNDT (attendant) or a numeric code up to10 digits	none	treatment for code diversion DN parameter default is always vacant treatment	none
CRT	code restriction treatment DN/CT parameter value is RO (reorder) ANN (announce-ment), or ITCPT (intercept) default is ANN	FLEX_ INTCPT	treatment for code restriction DN parameter value is 0 to 63 default is vacant treatment	Define a treatment code in table IBNXLA using the table editor: field: TRSEL — enter: FLEXI FLEX_INTCPT treatment code
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: The corresponding treatment for each treatment code is datafilled in table IBNTREAT as office data at load-building time.		

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Basic Business Group (TR849/850) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
HLN	hotline DN/CT parameter	AUL	automatic line DN parameter default is none	Assign the AUL option using the SERVORD command ADO.
MAN	manual line DN/CT parameter value is yes or no default is no	WML	warm (manual) line DN parameter default is none	Assign the WML option using the SERVORD command ADO.
		Note 1: Refer to "Customer Groups" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: Calls originating from a manual station are routed to the manual line treatment, which is specified as part of the office data at load-build time.		

-end-

Call Forward (TR853)

Feature name

Call Forward (TR853)

Restrictions

DMS supports other call forwarding options. Refer to the *DMS-100 Meridian Digital Centrex ISDN Features Guide*, 50010.08.

Call Forward (TR853)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFDA1	call forwarding don't answer 1 DN/CT parameter value is CFDNCG, CFDCG, CFDIO, CFDGO, or NONE default is NONE	CFD	call forward don't answer DN parameter default is NONE	none
		Note: To assign call forwarding from a secondary MADN DN, refer to "CFMDN-Call Forwarding MADN Secondary Member" in the "Service Order Options" section of the *SERVORD Reference Manual*.		

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFDA1= CFDNCG	CF don't answer, no customer group	CFD/CDU	call forward don't answer	Assign a call forward value for the customer group in table CUSTSTN using the table editor: field: enter: OPTNAME CFWVAL OPTION CFWVAL TERMOPTN N Assign the CFD option to an OPTKEY using the SERVORD command ADO. To add CFD to other DNs on the terminal, specify the DN keys when SERVORD prompts for a KEYLIST. Assign the CDU option to an OPTKEY using the SERVORD command ADO. ***Note 1:*** Refer to "CFD-Call Forwarding Do Not Answer (Business Sets)" and "CDU-Call Forwarding Do Not Answer Unrestricted" in the "Service Order Options" section of the *SERVORD Reference Manual*, and table CUSTSTN in the data schema section of the *Translations Guide*. ***Note 2:*** Office parameter CFX_SEPARATE_KEYLIST_FEATURE in table OFCENG impacts how CF features are assigned. If CFX_SEPARATE_KEYLIST_FEATURE is set to N (no), and both Call Forward Universal (CFU) and CFD are to be assigned to the set, CFU must be assigned before CFD to the primary DN (for dial access) or to an OPTKEY. Refer to keyword CFU on p. 5-15. If CFU is assigned to an OPTKEY, CFD must be assigned to the same key as CFU. Setting CFX_SEPARATE_KEYLIST_FEATURE to Y (yes) allows CF features to have separate keylists. In this case, CFD must be assigned to key 1, but CFU can be assigned to any OPTKEY.

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFDA1= CFDCG	CF don't answer, customer group	CFD/CDU	call forward don't answer unrestricted	Assign the CFD option to an OPTKEY using the SERVORD command ADO. Assign the CDU option to an OPTKEY using the SERVORD command ADO.
		Note: Refer to "CFD-Call Forwarding Do Not Answer (Business Sets)" and "CDU-Call Forwarding Do Not Answer Unrestricted" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
CFDA1= CFDIO	CF don't answer, incoming only	CFD/CDI/ CDU	CFD intragroup deny	Assign the CFD option to an OPTKEY using the SERVORD command ADO. When SERVORD prompts for OPTION, enter CDI. Assign the CDU option to an OPTKEY using the SERVORD command ADO.
		Note: Refer to "CFD-Call Forwarding Do Not Answer (Business Sets)", "CDI-Exclude Intragroup Calls from Call Forwarding", and "CDU-Call Forwarding Do Not Answer Unrestricted" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
CFDA1= CFDGO	CF don't answer, group only	CFD/CDE	CDE external deny	Assign the CFD option to an OPTKEY using the SERVORD command ADO. Assign the CDE option to an OPTKEY using the SERVORD command ADO.
		Note: Refer to "CFD-Call Forwarding Do Not Answer (Business Sets)" and "CDE-Exclude External Calls from Call Forwarding" in the "Service Order Options" section of the *SERVORD Reference Manual*.		

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFDA1= NONE	none	none	none	Do not assign CFD.
CFDCC	call forwarding don't answer customer control DN/CT parameter value is yes or no default is no	CFDCNTL	CFD customer control DN parameter value is N (no control), F (fixed number with control), or P (program-mable with control)	Assign the CFD option to an OPTKEY using the SERVORD command ADO. When SERVORD prompts for CFDCNTL, enter the customer control value.
		Note 1: Refer to "CFD-Call Forwarding Do Not Answer (Business Sets)" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
		Note 2: CFD must be assigned to OPTKEY 1 if CFDCNTl is set to N or F.		
		Note 3: If CFDCNTL equals P, an access code must be assigned to CDU, CDI, and CDE options if they are assigned to the DN.		
		Note 4: Option F (fixed number with control) provides greater functionality than NI-1 compliance requires.		

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFD1RDN	remote DN for CFDA1 DN/CT parameter value is a 10-character numeric string	CFDDN	CFD remote DN DN parameter value is a 1- to 24-digit string	Assign the CFD option to an OPTKEY using the SERVORD command ADO. When SERVORD prompts for CFDCNTL, enter N or F. When SERVORD prompts for CFDDN, enter the remote DN value. ***Note 1:*** Refer to "CFD-Call Forwarding Do Not Answer (Business Sets)" in the "Service Order Options" section of the *SERVORD Reference Manual*. ***Note 2:*** CFDDN can be assigned only if CFDCNTL is set to N or F.
CFD1ECC	call forwarding don't answer 1 establish courtesy call DN/CT parameter	none	establish courtesy call customer group parameter	Assign the CFD programming access code in table IBNXLA using the table editor (refer to CFDP/CFDC on page 5-23). Assign a call forward value for the customer group in table CUSTSTN using the table editor: field: OPTNAME enter: CFWVAL OPTION CFWVAL TERMOPTN Y ***Note:*** Validation on CFD is done when the DMS tries to forward the call, not when the CFD number is assigned.

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFD1MFL	call forwarding don't answer 1 multiple forwarding limit DN/CT parameter value is 1 to 32 for circuit mode calls default is 1	MULTICFD	CFD, multiple forwarding customer group parameter default is 1 call if MULTICFD is assigned as NO	Assign multiple forwarding in table CUSTSTN using the table editor: field: enter: CUSTNAME customer group name OPTNAME CFXOPT OPTION CFXOPT MULTICFD Y
		Note 1: Refer to table CUSTSTN in the data schema section of the *Translations Guide*. ***Note 2:*** If MULTICFD is assigned, the limit of the number of calls forwarded simultaneously for CFD is equal to the number of calls the remote terminal can accept.		
CFD1RCR	call forwarding don't answer 1 remote code restriction	none	no restriction based on NPA Restrictions are based on customer group only (intergroup vs. intragroup). Refer to keyword CFDA1 on p. 5-1. no parameter	Automatically assigned when CFD is assigned.

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CF1INT	call forwarding 1 interval timer for "don't answer" DN/CT parameter value is 0 to 60 s in increments of 1 s default is 18 s	CFDATIM	call forwarding interval time for call forward don't answer (CFD) customer group parameter value is 12 to 325 s in increments of 1 s There is no default; the time must be specified.	Set the time in table CUSTSTN using the table editor: field: enter: CUSTNAME group name OPTNAME CFDATIM OPTION CFDATIM CFDATO time
		Note: Refer to table CUSTSTN in the data schema section of the *Translations Guide*.		
CFBL1	call forwarding busy line 1 TSP/DN/CT parameter value is CFBNCG, CFBCG, CFBIO, CFBGO, or NONE	CFB	call forwarding busy DN parameter default is none	none

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFBL1= CFBNCG	CF busy no customer group	CFB/CBU	call forward busy all calls	Assign a call forward value for the customer group in table CUSTSTN using the table editor: field: enter: OPTNAME CFWVAL OPTION CFWVAL TERMOPTN N Assign the CFB option to an OPTKEY using the SERVORD command ADO. To add CFB to other DNs on the terminal, specify the DN keys when SERVORD prompts for a KEYLIST. Assign the CBU option to the primary DN key using the SERVORD command ADO. ***Note 1:*** Refer to table CUSTSTN in the data schema section of the *Translations Guide*, and to "CFB-Call Forwarding Busy" and "CBU-Call Forwarding Busy Unrestricted" in the "Service Order Options" section of the *SERVORD Reference Manual*. ***Note 2:*** Office parameter CFX_SEPARATE_KEYLIST_FEATURE in table OFCENG impacts how CF features are assigned. If CFX_SEPARATE_KEYLIST_FEATURE is set to N (no), and both CFU and CFB are to be assigned to the set, CFU must be assigned before CFB to the primary DN (for dial access) or to an OPTKEY. Refer to keyword CFU on p. 5-15. If CFU is assigned to an OPTKEY, CFB must be assigned to the same key as CFU. Setting CFX_SEPARATE_KEYLIST_FEATURE to Y (yes) allows CF features to have separate keylists. In this case, CFB must be assigned to key 1, but CFU can be assigned to any OPTKEY.

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFBL1= CFBCG	CF busy customer group	CFB/CBE/ CBU	CFB external deny unrestricted	Assign the CFB option to an OPTKEY using the SERVORD command ADO. Assign the CBE option to an OPTKEY using the SERVORD command ADO. Assign the CBU option to the primary DN key using the SERVORD command ADO.
		Note: Refer to "CFB-Call Forwarding Busy", "CBE-Call Forwarding Busy Internal Calls Only", and "CBU-Call Forwarding Busy Unrestricted" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
CFBL1= CFBIO	CF busy incoming only	CFB/CBI	CFB intragroup deny	Assign the CFB option to an OPTKEY using the SERVORD command ADO. Assign the CBI option to an OPTKEY using the SERVORD command ADO.
		Note: Refer to "CFB-Call Forwarding Busy" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
CFBL1= CFBGO	CF busy group only	CFB/CBE	CFB external deny	Assist the CFB option to an OPTKEY using the SERVORD command ADO. Assist the CBE option to an OPTKEY using the SERVORD command ADO.
		Note: Refer to "CFB-Call Forwarding Busy" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
CFBL1= NONE	none	none	none	Do not assign CFB.

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFBCC	call forwarding busy line customer control	CFBCNTL	CFB customer control	Assign the CFB option to an OPTKEY using the SERVORD command ADO.
			DN parameter	When SERVORD prompts for CFBCNTL, enter the customer control value.
			value is N (no control), F (fixed number with control), or P (program-mable with control)	
		Note 1: Refer to "CFB-Call Forwarding Busy" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
		Note 2: If CFBCNTL equals P, an access code must be assigned. Refer to keywords CFBP/CFBC on p. 5-24.		
		Note 3: CFBCNTL is automatically applied to the CBU, CBI, and CBE options if they are assigned to the DN.		
		Note 4: Option F (fixed number with control) provides greater functionality than NI-1 compliance requires.		
CFB1RDN	remote DN for CFBL1	CFBDN	CFB remote DN	Assign the CFB option to an OPTKEY using the SERVORD command ADO.
	DN/CT parameter		DN parameter	When SERVORD prompts for CFBCNTL, enter N or F.
	value is a 10-character string		value is a 1- to 24-digit string	When SERVORD prompts for CFBDN, enter the remote DN value.
		Note 1: Refer to "CFB-Call Forwarding Busy" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
		Note 2: CFBDN can be assigned only if CFBCNTL is set to N or F.		

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFB1ECC	call forwarding busy line 1 establish courtesy call DN/CT parameter value is ANSRQC, ANSRQNC, NANSR, or NECC	none	establish courtesy call customer group parameter	Assign the CFB programming access code in table IBNXLA using the table editor (refer to CFBP/CFBC on page 5-24.) Assign a call forward value for the customer group in table CUSTSTN using the table editor: field: enter: OPTNAME CFWVAL OPTION CFWVAL TERMOPTN Y ***Note:*** Validation on CFB is done when the DMS tries to forward the call, not when the CFB number is assigned.
CFB1ECC= ANSRQC	answer required with confirmation indication	none	not supported	none
CFB1ECC= ANSRQNC	answer required with no confirmation indication	none	no parameter	Automatically assigned when CFB is assigned.
CFB1ECC= NANSR	no answer required	none	not supported	none
CFB1ECC= NECC	do not establish courtesy call	none	no parameter	Automatically assigned when CFB is assigned.

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFB1MFL	call forwarding busy line 1 multiple forwarding limit DN/CT parameter value is 1 to 32 for circuit mode calls default is 1	MULTICFB	CFB, multiple forwarding customer group parameter default is 1 if MULTICFB is assigned as NO	Assign multiple forwarding in table CUSTSTN using the table editor: field: CUSTNAME enter: customer group name OPTNAME CFXOPT OPTION CFXOPT MULTICFB Y
		Note 1: Refer to table CUSTSTN in the data schema section of the *Translations Guide*.		
		Note 2: If MULTICFB is assigned, the limit of the number of calls forwarded simultaneously for CFB is equal to the number of calls the remote terminal can accept.		

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFB1RCR	call forwarding busy line 1 remote code restriction DN/CT parameter value is NPA (outside the base NPA), INPA (inside the base NPA), CAI (carrier access information), or NONE (no restriction)	none	no parameter no restriction based on NPA Restrictions are based on customer group only (intergroup vs. intragroup). Refer to keyword CFBL1 on p. 5-7.	Automatically assigned when CFB is assigned.
CFB1RING	call forwarding busy line 1 reminder notification sent to base DN DN/CT parameter	none	not supported	none

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFB1RNP	call forwarding busy line 1 redirecting party number presentation DN/CT parameter value is yes or no default is yes	none	no parameter default is yes if CFB is assigned	Automatically assigned when CFB is assigned.
CFV1	call forwarding variable 1 TSP/DN/CT parameter value is CFVNCG, CFVCG, CFVIO, CFVIG, CFVGO, CFVIOIG, CFPF, or NONE default is NONE	CFU	Call Forward Universal DN parameter	none

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFV1= CFVNCG	CF variable no customer group	CFU	Call Forward Universal	Assign a call forward value for the customer group in table CUSTSTN using the table editor: field: enter: OPTNAME CFWVAL OPTION CFWVAL TERMOPTN N Assign the CFU option to an OPTKEY using the SERVORD command ADO. To add CFU to other DNs on the terminal, specify the DN keys when SERVORD prompts for a KEYLIST.

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFV1= CFVNCG (cont)		***Note 1:*** Refer to table CUSTSTN in the data schema section of the *Translations Guide* and "CFU-Call Forwarding Universal" in the "Service Order Options" section of the *SERVORD Reference Manual*. ***Note 2:*** Assign CFU to the primary DN for dial access only, or to an OPTKEY. ***Note 3:*** When assigning CFU to an OPTKEY using SERVORD, the override ACR (OVRDACR) prompt appears. Setting OVRDACR to Y allows the subscriber to program CFW to a DN that would ordinarily require an authorization code, and removes the requirement that the calling party must enter an authorization code when a call is forwarded. ***Note 4:*** Office parameter CFX_SEPARATE_KEYLIST_FEATURE in table OFCENG impacts how CF features are assigned. If CFX_SEPARATE_KEYLIST_FEATURE is set to N (no), and both CFU and CFB or CFD are to be assigned to the set, CFU must be assigned before CFB or CFD to the primary DN (for dial access) or to an OPTKEY. If CFU is assigned to an OPTKEY, CFB or CFD must be assigned to the same key as CFU. Setting CFX_SEPARATE_KEYLIST_FEATURE to Y (yes) allows CF features to have separate keylists. CFU can be assigned to any OPTKEY, but CFB or CFD must be assigned to key 1.	

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFV1= CFVCG	CF variable customer group	CFU	Call Forward Universal	Assign a call forward value for the customer group in table CUSTSTN using the table editor: field: enter: OPTNAME CFWVAL OPTION CFWVAL TERMOPTN N Assign the CFU option to an OPTKEY using the SERVORD command ADO. To add CFU to other DNs on the terminal, specify the DN keys when SERVORD prompts for a KEYLIST.
		Note: When assigning CFU to an OPTKEY using SERVORD, the override ACR (OVRDACR) prompt appears. Setting OVRDACR to Y allows the subscriber to program CFW to a DN that would ordinarily require an authorization code, and removes the requirement that the calling party must enter an authorization code when a call is forwarded.		
CFV1= CFVIO	CF variable incoming only	none	not supported	none
CFV1= CFVIG	CF variable intragroup only	CFI	Call Forward intragroup	Assign the CFI option to an OPTKEY using the SERVORD command ADO.
		Note: Refer to "CFI-Call Forwarding Intragroup" in the "Service Order Options" section of the *SERVORD Reference Manual*.		

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFV1= CFVGO	CF variable group only	CFI	Call Forward intragroup	Assign the CFI option to an OPTKEY using the SERVORD command ADO.
		Note: Refer to "CFI-Call Forwarding Intragroup" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
CFV1= CFVIOIG	CF variable incoming only intragroup	none	not supported	none
CFV1= CFPF	CF over private facilities	none	no parameter	Automatically assigned with any call forward option.
CFV1= NONE	none	none	don't assign CFU	none
CFV1ECC	call forwarding variable 1 establish courtesy call DN/CT parameter value is ANSRQC, ANSRQNC, NANSR, or NECC default is NANSR for VI; NECC for CMD	none	Answer required with no confirma-tion value (ANSRQNC) is supported. No answer required (NANSR) and do not establish courtesy call (NECC) are part of CFV1ECC.	none
CFV1ECC= ANSRQC	answer required with confirmation indication	none	not supported	none

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFV1ECC= ANSRQNC	answer required with no confirmation indication	CFWVAL	Call Forward value customer group parameter value is yes or no default is no	Assign a call forward value in table CUSTSTN using the table editor: field: enter: CUSTNAME group name OPTNAME CFWVAL OPTION CFWVAL TERMOPTN Y
		Note: Refer to table CUSTSTN in the data schema section of the *Translations Guide*.		
CFV1ECC= NANSR	no answer required	none	not supported	none
CFV1ECC= NECC	do not establish courtesy call	none	no parameter	Automatically assigned when CFU and CFI are assigned.

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFV1MFL	call forwarding variable 1 multiple forwarding limit DN/CT parameter value is 1 to 32 for circuit mode calls default is 1	MULTICFA	CFU, multiple forwarding customer group parameter default is 1 call if MULTICFA is assigned as no	Assign multiple forwarding in table CUSTSTN with the table editor: field: enter: CUSTNAME group name OPTNAME CFXOPT OPTION CFXOPT MULTICFU Y
		Note 1: Refer to table CUSTSTN in the data schema section of the *Translations Guide*.		
		Note 2: If MULTICFD is assigned, the limit of the number of calls forwarded simultaneously for CFU is equal to the number of calls the remote terminal can accept.		

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFV1RCR	call forwarding variable 1 remote code restriction DN/CT parameter value is NPA (outside the base NPA), INPA (inside the base NPA), CAI (carrier access information), or NONE (no restriction)	none	no restriction based on NPA Restrictions are based on customer group only (intergroup vs. intragroup). Refer to keyword CFV1 on p. 5-14. no parameter	Automatically assigned with CFU option.
CFV1RING	call forwarding variable 1 reminder notification sent to base DN DN/CT parameter value is yes or no default is yes for VI, or otherwise no	RINGCFI	CF intragroup ringing customer group parameter default is none	Assign CF intragroup ringing in table CUSTSTN with the table editor: field: enter: CUSTNAME group name OPTNAME CFXFEAT OPTION CFXFEAT RINGCFI Y
				Note: Refer to table CUSTSTN in the data schema section of the *Translations Guide*.

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFV1RNP	call forwarding variable 1 redirecting party number presentation DN/CT parameter value is yes or no default is yes	none	no parameter always supported	Automatically assigned when CFU and CFI are assigned.
		Note: The presentation of the Redirecting Number (RDN) is governed by the SUPPRESS option assigned to the CPN. Refer to "Calling Number ID Services" on p. 9-1.		

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFD1ACC	call forwarding don't answer 1 access code BBG dial plan parameter value is two numeric strings, each up to 5 digits, separated by a dash (-)	CFDP/CFDC	CFD access codes customer group parameter value is any key sequence (2 digits or more) default is none	Assign a CFD programming access code in table IBNXLA using the table editor: field: enter: XLANAME translator DGLIDX access code TRSEL FEAT FEAT CFDP Assign a CFD cancellation access code in table IBNXLA using the table editor: field: enter: XLANAME translator DGLIDX access code TRSEL FEAT FEAT CFDC
		Note: Refer to table IBNXLA in the data schema section of the *Translations Guide*.		

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFB1ACC	call forwarding busy line 1 access code BBG dial plan parameter value is two numeric strings, each up to 5 digits, separated by a dash (-)	CFBP/CFBC	CFB access codes customer group parameter value is any key sequence (2 digits or more) default is none	Assign a CFB programming access code in table IBNXLA using the table editor: field: enter: XLANAME translator DGLIDX access code TRSEL FEAT FEAT CFBP Assign a CFD cancellation access code in table IBNXLA using the table editor: field: enter: XLANAME translator DGLIDX access code TRSEL FEAT FEAT CFBC
		Note: Refer to table IBNXLA in the data schema section of the *Translations Guide*.		

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Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFV1ACC	call forwarding variable 1 access code BBG dial plan parameter value is two numeric strings, each up to 5 digits, separated by a dash (-)	CFWP/CFWC	CF universal access codes customer group parameter value is any sequence (2 or more digits) default is none	Assign a CFU/CFI programming access code in table IBNXLA using the table editor: field: enter: XLANAME translator DGLIDX access code TRSEL FEAT FEAT CFWP Assign a CFU/CFI cancellation access code in table IBNXLA using the table editor: field: enter: XLANAME translator DGLIDX access code TRSEL FEAT FEAT CFWC ***Note:*** Refer to table IBNXLA in the data schema section of the *Translations Guide*.

-continued-

Call Forward (TR853) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CETBDN	continue existing treatment returned to base DN	none	not supported	none
CFTI	call forwarding timer 1 per-switch parameter	none	CFT1 is the same timer as CF1INT. Refer to keyword CF1INT on p. 5-7.	none
-end-				

Call Hold (TR856)

Feature name

Call Hold (TR856)

Restrictions

None

Call Hold (TR856)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CHD	Call Hold TSP parameter values is yes or no default is no for non-EKTS terminals, or yes for EKTS terminals	none	Call Hold no parameter	Call Hold is automatically assigned for circuit mode DNs when the DN is assigned.
CHDBR	Call Hold B-channel reservation TSP parameter value is yes or no default is no	none	always supported LTID parameter ***Note:*** B-channel reservation always applies.	none
CHDN	Call Hold notification to held party	none	not supported	none
HCT1	hold capacity timer	none	not supported	none

Call Pickup (TR854)

Feature name

Call Pickup (TR854)

Restrictions

Parameters for Directed Call Pickup (DPN, DPU) are not supported.

Call Pickup (TR854)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CPUG (I-CPU)	CPU Groups DN/CT parameter Each DN/CT can belong to up to four pickup groups. value is a list of compound integers x-n where x ranges from 1 to 4 and n ranges from 1 to 9999, or NONE default is NONE a value for any pickup group indicates assignment of CPU	CPU	Call Pickup DN parameter CPU group is automatically assigned when CPU feature is assigned. LTID is automatically assigned as the CPU group name.	Assign the CPU option to an OPTKEY number using the SERVORD command ADO. When SERVORD prompts for CPULEN, enter the LTID for the DN. A call pickup group with the name of the LTID is automatically created. To assign further DNs to that group, enter the same LTID for each DN.
		Note 1: Refer to "CPU-Call Pickup" in the "Service Order Options" section of the *SERVORD for ISDN Terminals Reference Manual*, 297-2041-310. ***Note 2:*** Each station can have only one CPU group.		

-continued-

Call Pickup (TR854) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment	
CPUACC	access code for CPU	CPU	access code for CPU	Assign in table IBNXLA using the table editor:	
	BBG dial plan parameter		customer group parameter	field: XLANAME	enter: translator
	value is up to 5 digits			DGLIDX	access code
			value is any key sequence (2 digits or more)	TRSEL	FEAT
				FEAT	CPU
		Note 1: Refer to table IBNXLA in the data schema section of the *Translations Guide*.			
		Note 2: The CPU option must be assigned to an OPTKEY before an access code can be assigned.			
CPUN	call pickup notification	none	not supported	none	
-end-					

Flexible Calling (TR858)

Feature name

Flexible Calling (TR858)

Restrictions

None

Flexible Calling (TR858)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
FC	Flexible Calling TSP parameter values are yes or no default is no	FC	Flexible Calling LTID parameter	Assign option FC to an OPTKEY number with the SERVORD command ADO.
		Note 1: Refer to "Flexible Calling" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: When assigning FC, ensure that two call appearances are assigned (the primary DN and a second DN or an AFC key). Refer to "ISDN EKTS," keyword CAP on p. 13-2.		

-continued-

Flexible Calling (TR858) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CFS	conference size is 6 to 30, in increments of 6 default is 3	CONFSIZE	conference size is 3 to 30 in increments of 1	When SERVORD prompts for CONFSIZE, enter conference size.
		Note: Only one conference size can be assigned per LTID.		
CH	consultation hold values are yes and no default is yes	none	always supported with FC	none
		Note: Consultation hold is automatically assigned when the SERVORD option FC is assigned.		
TA	transfer allowed values are ER, OD, NT default is NT	XFER	call transfer	Assign option XFER to an OPTKEY with the SERVORD command ADO.
		Note: Refer to "Flexible Calling" in the "ISDN BRI" section of the *Translations Guide*.		
TA = ER	transfer on explicit request	XFER	always supported with XFER	none
		Note: Explicit transfer is provisioned by assigning the SERVORD option XFER to an OPTKEY.		
TA = OD	transfer on disconnect	XFER	always supported with XFER	none
		Note: Transfer on disconnect is automatically assigned when XFER is assigned.		
TA = NT	never transfer	none	never transfer	Do not assign XFER.

-continued-

Flexible Calling (TR858) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
TR	transfer restriction values are CGT or UNR default is CGT	XFER	call transfer	Assign option XFER with the SERVORD command ADO, and specify transfer conditions as shown for the following keywords.
		Note: DMS service provides CTALL (transfer all), CTINC (transfer incoming), CTOUT (transfer incoming and outgoing), CTINTRA (CTOUT plus intragroup), and CUSTOM (customized transfer).		
TR=CGT	Transfer allowed only if remaining conferees are in the same Bellcore business group.	XFER/ CUSTOM	call transfer allowed only within customer group	Assign option XFER to an OPTKEY using the SERVORD command ADO. When SERVORD prompts for CXFERTYP, enter CUSTOM. When SERVORD prompts for ORGINTER, enter NOCXFER. When SERVORD prompts for ORGINTRA, enter INTRA. When SERVORD prompts for for TRMINTER, enter NOCXFER. When SERVORD prompts for TRMINTRA, enter INTRA.
		Note: Refer to "Flexible Calling" in the "ISDN BRI" section of the *Translations Guide*.		
TR=UNR	unrestricted transfer	XFER/CTALL	unrestricted transfer	When SERVORD prompts for CXFERTYP, enter CTALL.
		Note: Refer to "Flexible Calling" in the "ISDN BRI" section of the *Translations Guide*.		

-continued-

Flexible Calling (TR858) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
DROP	call drop	DROP	call drop	Assign option DROP with the SERVORD command ADO.
		Note 1: Refer to "Flexible Calling" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: The OPTKEY value for DROP must be a higher key value than the FC key.		
		-end-		

Calling Number ID Services (TR860)

Feature name

Calling Number ID Services (TR860)

Restrictions

Parameters CPNDC, CPNPN, CPVDN1, DNSS2, CPNDACC, and RCNDACC are not supported.

Calling Number ID Services (TR860)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
no Bellcore parameter	none	CLID	Calling Line Identification customer group parameter	Assign the network name in table NETNAMES using the table editor: field: enter: NETNAME network name Assign the CLID option in table CUSTNTWK: field: enter: OPTIONS CLID CLIDOPT OFFNET, ONNET, or INTRAGRIP Assign the display digits option in table CUSTSTN: field: enter: CUSTNAME group name OPTNAME DISPDIGS OPTION DISPDIGS NUMODIGS digits

Note 1: Refer to "Calling Line Identification" in the "ISDN BRI" section of the *Translations Guide*.

Note 2: To enable the customer group to have display capabilities, the CLID information must be assigned at the time the customer group is set up.

Note 3: Table NETNAMES must be datafilled before table CUSTNWK.

Note 4: The DISPDIGS option is required if a customer has display sets in more than one customer group; DISPDIGS is used to set the number of digits (1 to 12) to be displayed on the terminating display set.

-continued-

Calling Number ID Services (TR860) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CPND (I-CNIS)	calling party number delivery TSP/DN/CT parameter value is yes or no default is N for VI, CMD, and PMD call types	BLOCKCGN	DMS-100 normally delivers the calling party number To block the delivery of the calling number at the terminating end, use BLOCKGN. DN parameter	To block calling number delivery: Assign the BLOCKCGN option to an OPTKEY using the SERVORD command ADO. When SERVORD prompts for DN_OR_LEN, enter the DN.
		Note: Refer to "Calling Line Identification" in the "ISDN BRI" section of the *Translations Guide*.		

-continued-

Calling Number ID Services (TR860) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CPNPA	calling party number presentation allowed	SUPPRESS	The calling party number presentation is always displayed at the remote end, unless it is suppressed. To maintain privacy and suppress the remote display of the calling number from the originating end, use SUPPRESS. no parameter	To suppress the delivery of the calling party's number: Assign the SUPPRESS option to an OPTKEY using the SERVORD command ADO. When SERVORD prompts for DN_OR_LEN, enter the DN. When SERVORD prompts for NETNAME, enter PUBLIC. When SERVORD prompts for SUPPRESS_DN, enter Y.
		Note 1: Suppress can also be assigned to a customer group in table DNGRPS or at the network level in table NETNAMES.		
		Note 2: Refer to "Calling Line Identification" in the "ISDN BRI" section of the *Translations Guide*.		

-continued-

Calling Number ID Services (TR860) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
RND	redirecting number delivery TSP/DN/CT parameter value is yes or no default is no for VI call types, or yes for CMD and PMD call types	none	If a redirecting number (RDN) is available, it is always delivered. The DMS-100 also sends the reason for the redirection (e.g., Call Forward) within the RND information element. Only the last RND is delivered. no parameter	none

-continued-

Calling Number ID Services (TR860) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CPNT	calling party number delivery type	none	If available, the network-provided name is always used. Only one number is delivered. The number is always network-provided. no parameter	none
CPDDN	calling party number default DN for each call type OE parameter 10-digit numeric string followed by a dash (-) and one of VI, CMD, PMD, or ALL no default	none	primary DN is default per LTID no parameter	none

-continued-

Calling Number ID Services (TR860) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
SCPN	screening of calling party number OE parameter value is yes or no (if no is selected, CPDDN is required; if CPNPN is yes, this field must be yes) default is yes	none	Screening is always provided. no parameter	none
SMCPN	screening mechanism for calling party numbers OE parameters value is DNL (screening by DN list), DNR (screening by DN range), or DNC (screening by DN list-range combination) default is DNL	none	Screening per DN is automatically provided. no parameter	none

-continued-

Calling Number ID Services (TR860) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
DNSS1	DN screening set 1 TSP parameter set of up to 128 DNs specified as a list or range; up to 8 ranges can be specified	none	Assigning DNs to LTID automatically sets up the screening list. no parameter	none
AND	abbreviated number delivery BBG parameter value is yes or no default is no	DISPDIGS	number of display digits customer group parameter value is1 to 12 digits	Assign the number of display digits in table CUSTSTN: field: enter: CUSTNAME group name OPTNAME DISPDIGS OPTION DISPDIGS NUMODIGS digits
		Note 1: Refer to "Calling Line Identification" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: The DISPDIGS option is required if a customer has display sets in more than one customer group; DISPDIGS is used to set the number of digits (1 to 12) to be displayed on the terminator's display set.		

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Calling Number ID Services (TR860) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
NPRIVACC	number privacy change access codes BBG dial plan parameter two numeric strings of up to 5 digits, separated by a dash (-) The first number changes number from public to private on a per-call basis; the second number does the reverse.	none	Automatically assigned when datafilling CNDB. Refer to keyword CNDB on p. 9-10. no parameter	none

-continued-

Calling Number ID Services (TR860) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
PBPVACC	public to private access code BBG dial plan parameter and per-switch parameter up to 5 digits	CNDB	calling number delivery blocking toggles the DN default suppression of the calling number for that call customer group parameter	To assign CNDB to a customer group in table CUSTSTN, use the table editor: field: enter: CUSTNAME group name OPTNAME CNDB OPTION CNDB Assign the CNDB access code in table IBNXLA using the table editor: field: enter: XLANAME translator DGLIDX access code 67 TRSEL FEAT FEATURE CNDB
				Note 1: Refer to "Calling Line Identification" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** This line option enables the user to reverse the suppression status of the DN display on a per-call basis. ***Note 3:*** The option is assigned to the customer group as a dial-access feature.

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Calling Number ID Services (TR860) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
PVPBACC	private to public access code BBG dial plan parameter up to 5 digits	CNDB	calling number delivery blocking toggles the DN default suppression for that call customer group parameter	To assign CNDB to a customer group in table CUSTSTN, use the table editor: field: enter: CUSTNAME group name OPTNAME CNDB OPTION CNDB Assign the CNDB access code in table IBNXLA using the table editor: field: enter: XLANAME translator DGLIDX access code 67 TRSEL FEAT FEATURE CNDB

-continued-

Calling Number ID Services (TR860) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
UCNCND	use of charge number for calling number delivery on interworking calls per-switch parameter value is yes or no default is no	ANI	no parameter Use of charge number is supported automatically through the OLI (originating line information) parameter. The charge number and OLI parameters are included only if the destination IEC requires ANI (automatic number identification) as defined by the ATC trunk group datafill.	Specify that the trunk group is to send ANI in table TRKGRP (ATC), using the table editor: field: enter: ANI Y Specify that the destination IEC requires ANI in table TRKGRP (ATC), using the table editor: field: enter: ANIDIGS Y ANISCREN Y or N
		Note 1: Refer to table TRKGRP in the data schema section of the *Translations Guide*.		
		Note 2: If the charge number is available, it is used; if not, DMS checks for OLI presence, and if OLI is present, the calling party number is used.		
-end-				

Hunt (TR859)

Feature name

Hunt (TR859)

Restrictions

None

Hunt (TR859)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
DNTYP	DN type, either hunt or non-hunt DN/CT parameter value is BHDN (begin hunt DN) or NHDN (non-hunt DN) or NONE default is NONE if there is no hunt terminal associated with the DN/CT	none	no parameter	A DN is a hunt DN if it is assigned to a hunt group, and a non-hunt DN if it is not assigned to a hunt group.
		Note 1: In DMS, a "begin hunt DN" is referred to as a pilot DN; it is usually the first DN assigned to the hunt group.		
		Note 2: DNs other than the pilot can start the hunting, depending on the algorithm provisioned.		
HUNTYP	hunting algorithm DN/CT parameter/ MLHG parameter value is LIN, CI, or UD	none	hunting algorithm DN/hunt group parameter	Before the following hunting algorithms can be assigned, each DN must be associated with a defined LTID. Refer to "Initialization" on p. 11-1.

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Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
HUNTYP= LIN	linear	DNH	directory number hunt	Establish a DNH group using the SERVORD command EST. When SERVORD prompts for GROUPTYPE, enter DNH. When SERVORD prompts for PILOT_DN, enter the "begin hunt DN," and respond to the rest of the SERVORD prompts. To add a member to the DNH group, enter the SERVORD command ADD, and respond to the LINK_DN prompt by entering the pilot DN. When SERVORD prompts for DN_LEN, enter the DN of the member. Each time SERVORD prompts for DN_LEN, enter the DN of another group member.
				Note 1: Refer to "DNH-Directory Number Hunt" in the "Service Order Options" section of the *SERVORD for ISDN Terminals Reference Manual*, 297-2401-310. ***Note 2:*** A pilot DN is assigned when creating the hunt group but each DN in hunt group can be the "begin hunt " DN. ***Note 3:*** The order of hunting is set by the order in which the DNs are added to the hunt group.

-continued-

Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
HUNTYP= CI	circular	CIR	circular algorithm	Create the hunt group as described for the keyword DNH on p. 10-3. Assign option CIR to the hunt group pilot DN using the SERVORD key ADO.
		Note: Refer to "CIR-Circular Hunt" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
HUNTYP= UD	uniform distribution	DLH	distributed line hunt	Establish a DLH group by using the SERVORD command EST. When SERVORD prompts for GROUPTYPE, enter DLH. When SERVORD prompts for PILOT_LEN, enter the LTID of the pilot, and respond to the rest of the SERVORD prompts. To add a member to the DLH group, enter the SERVORD command ADD, and respond to the LINK_LEN prompt by entering the pilot LTID. When SERVORD prompts for MEM_LEN, enter the LTID of the member. Each time SERVORD prompts MEM_LEN, enter the LTID of another group member.
		Note 1: Refer to "DLH-Distributed Line Hunt" in the "Service Order Options" section of the *SERVORD for ISDN Terminals Reference Manual*, 297-2401-310. ***Note 2:*** Only one pilot DN is associated with the DLH hunt group.		

-continued-

Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
LSTDN	listed DN DN/CT parameter value is yes or no default is no	PILOT_DN	pilot DN DN/hunt group parameter	Assign PILOT_DN during the establishment of the hunt group. Refer to keyword DNH on p.10-3, and to keyword DLH on p. 10-4.
MLHG	multi-line hunt group identifier DN/CT parameter/ MLGH parameter/ MLTERM parameter value is 1 to 4 digits in the range 0 to 2047	none	no parameter	Automatically assigned when hunt group is provisioned.
		Note: To view the list of hunt group DNs, use the QGRP command. Refer to "QGRP-Query Group" in the "Service Order Query Commands" section of the *SERVORD for ISDN Terminals Reference Manual*, 297-2401-310.		
MLTERM	multi-line hunt group terminal number	none	no parameter	Automatically assigned when hunt group is provisioned.
		Note: The number is automatically designated by the order in which the DNs are assigned to the hunt group.		

-continued-

Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
LSTDN	listed DNs for hunt group MLHG parameter read only value is a list of compound values each consisting of a 7-, 10-, or 15-digit DN followed by a dash (-) and one call type (one of VI, CMD, PMD, CONV, or PPSN)	none	no parameter	none
		Note: To view the list of hunt group DNs, use the QGRP command. Refer to "QGRP-Query Group" in the "Service Order Query Commands" section of the *SERVORD for ISDN Terminals Reference Manual*, 297-2401-310.		

-continued-

Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
PRFNT	preferential hunt	PRH	preferential hunt	Establish a PRH group using the SERVORD command EST.
	MLTERM parameter		DN/hunt group parameter	When SERVORD prompts for GROUPTYPE, enter PRH.
	value is yes or no			When SERVORD prompts for PILOT_DN, enter the "begin hunt DN."
	default is no			Each time SERVORD prompts for PRH_DN, enter the DN of another PRH member.
		Note 1: Refer to "PRH-Preferential Hunting" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
		Note 2: All DNs in the preferential list must also be members of the DNH hunt group.		

-continued-

Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
PRFLST	preferential hunt list MLTERM parameter value is list of compound integers, each consisting of an integer in the range of1 to 18, followed by a dash (-) and an existing terminal number within this MLHG in the range of 1 to 2047.	PRH	preferential hunt list DN/hunt group parameter value is up to 19 members including the pilot DN	Establish a PRH group using the SERVORD command EST. When SERVORD prompts for GROUPTYPE, enter PRH. When SERVORD prompts for PILOT_DN, enter the "begin hunt DN." Each time SERVORD prompts for PRH_DN, enter the DN of another PRH member.
CMHTBLT	circuit mode hunt terminal busy limit type MLTERM parameter value is AGGR (aggregate) or PCT (per call type)	none	aggregate only is supported no parameter	none

-continued-

Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
HTABL	hunt terminal aggregate busy limit for circuit mode MLTERM parameter value is in the range of 1 to the number of B-channels on the ISDN interface that handles the ISDN hunt terminals default is 1	none	hunt busy limit per terminal is always 1 no parameter	none
		Note 1: Hunt is not compatible with ACOU feature, so hunt cannot be assigned to AFC keys. ***Note 2:*** Non-hunt DNs can be assigned to the LTID, but do not contribute to the hunt busy limit.		

-continued-

Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
HTCMDBL	hunt terminal busy limit for CMD calls MLTERM parameter value is in the range of 1 to the number of B-channels on the ISDN interface that handles the ISDN hunt terminals default is 1	none	hunt busy limit per terminal is always 1 no parameter	none
		Note: Hunt is not compatible with ACOU feature, so hunt cannot be assigned to AFC keys.		
HTVBL	hunt terminal busy limit for voice calls	none	hunt busy limit per terminal is always 1 no parameter	none
		Note: Hunt is not compatible with ACOU feature, so hunt cannot be assigned to AFC keys.		

-continued-

Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
MLTERM TYP	MLHG terminal type MLTERM parameter value is a compound parameter consisting of OE followed by a dash (-) and up to 12 alphanumeric characters; or CAPP followed by a dash (-), a 7- or a 10-digit numeric string, another dash, and a number from 1 to 16	none	no parameter	none
		Note: Each terminal in the hunt can be identified by its LEN, an associated TSPID (the primary DN), and the call appearance in the hunt group.		
CIC	contention for incoming calls OE/DN parameter	none	not supported	none

-continued-

Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
MBCT	make busy control terminals MLHG parameter value is a list of compound parameters, each consisting of an 11-character numeric string followed by a dash and an integer in the range of 0 to 99	none	not supported Make Set Busy (MSB) feature can be used as an alternative. Refer to MSB keyword on p. 10-13.	none
		Note: MSB makes busy the DNs on the terminal to which it is assigned, but does not control other terminals.		

-continued-

Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
FAHMBS	feature activators per hunt make busy application set TCGN parameter value is a list of compound values, consisting of an integer in the range 0 to 16383, followed by a dash (-), and integer in the range of 0 to 99, and an alphanumeric string of up to 7 characters	MSB	Make Set Busy DN parameter default is none	Assign option MSB to an OPTKEY using the SERVORD command ADO. When SERVORD prompts for KEYLIST, enter the DN key numbers to be made busy.
		Note: Refer to "MSB-Make Set Busy" in the "Service Order Options" section of the *SERVORD Reference Manual*.		

-continued-

Hunt (TR859) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
FIHMBS	feature indicators per hunt make busy application set TCGN parameter value is a list of compound values, consisting of an integer in the range 0 to 16383, followed by a dash (-), and integer in the range of 0 to 99, and an alphanumeric string of up to 7 characters	MSB	Make Set Busy DN parameter default is none	Assign option MSB to an OPTKEY using the SERVORD command ADO. When SERVORD prompts for KEYLIST, enter the DN key numbers to be made busy.
-end-				

Initialization (TR847)

Feature name

Initialization (TR847)

Restrictions

None

Initialization (TR847)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
TSPID	terminal services profile identifier TSP parameter value is 7 to 18 characters	none	The primary DN is the TSPID equivalent. no parameter	Set up logical terminal using the SERVORD command SLT ADD. Assign primary DN to key 1 using the SERVORD command NEW.
		Note 1: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		

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Initialization (TR847) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
none	none	SPIDSFX	SPID suffix LTID parameter (for a terminal with dynamic TEI) For a user-assigned TEI, value is up to 8 characters.	Set up logical terminal using the SERVORD command SLT ADD, and enter the SPIDSFX option. When SERVORD prompts for SPID_SUFFIX, enter a SPIDSFX value of up to 8 characters.
		Note 1: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: The SPIDSFX option applies only to terminals with the dynamic TEI capability.		
SPID	service profile identifier (TSPID plus TID) OE parameter value is 9 to 20 characters, the last two being in the range 00 to 62.	SPID	service profile identifier (DN plus SPIDSFX) Automatically assigned when the LTID is attached to the LEN no parameter	Once the SPIDSPX and the DN are assigned, attach the LTID to the LEN using the SERVORD command SLT ATT.
		Note 1: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		
DTPS	default terminal service profile	none	not supported	none

-continued-

Initialization (TR847) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
TERML	maximum number of non-EKTS or non-MLHG terminals that can share the TSP TSP parameter value range is 0 to 8	none	not supported	none
		Note: DMS does not allow sharing of LTIDs.		
USID	user service identifier TSP parameter value range is 1 to 126	none	Automatically assigned no parameter	Automatically assigned by the switch during initialization.
		-end-		

ISDN Basic Call (TR268)

Feature name

ISDN Basic Call (TR268)

Restrictions

PRI-related parameters are not included in this table. Associated Group parameters currently are not supported. Parameters T312, RNI, ACO7, CTNBC, CIC, INTRALC, and CPNPN are not supported.

ISDN Basic Call (TR268)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
DN	directory number OE/DN/CT parameter value is 7 to 10 digits (for CT=CMD or VI)	DN	directory number DN parameter value is 7 digits	Assign primary DN to key 1 using the SERVORD command NEW. When SERVORD prompts for SNPA, enter the 3-digit value.
		SNPA	numbering plan address DN parameter value is 3 digits	
		Note: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		

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ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CPDDN	calling party number default DN for each call type OE parameter 10-digit numeric string followed by a dash (-) and one of: VI, CMD, PMD, or ALL there is no default	DN	LTID parameter defaults to primary DN (DN assigned to key 1) for VI and CMD call types	Automatically assigned during primary DN assignment.

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ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CT	call type TSP/DN/CT parameter value is VI (voiceband information), CMD (circuit mode data), or PMD (packet mode data)	ABS	allowable bearer capacity LTID parameter value is any subset of: NOVOICE (no speech), NOVBD (no 3.1 kHz or 7 kHz audio), NOCMD (no circuit mode data), and NOPMD (no packet mode data)	Set up logical terminal using the SERVORD command SLT ADD. When SERVORD prompts for ABS, enter one of NOVOICE, NOVBD, NOCMD, or NOPMD. Respond to the ABS prompt with as many of the options as necessary to achieve the required call type. For example, to obtain CT=VI, enter ABS=NOCMD and ABS= NOPMD.
		Note 1: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: Default bearer capabilities per call type are set as: VOICE=speech, VBD=3.1 kHz and 7 kHz audio, CMD=56 and 64 kbit/s, and PMD=PMD.		
		Note 3: All DNs assigned to a single LTID share the same call type unless a BC has been assigned per DN. Refer to keyword BC on p. 12-5.		

-continued-

ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
BC	Bearer Capabilities OE/DN parameter value is SP (speech), 3AU (3.1 kHz audio), 7AU (7 kHz audio), 56C (56 kbit/s CMD), 64C (64 kbit/s CMD), or PMD (packet mode data)	BCDATA	Bearer Capability DN parameter value is SP (speech), 3AU (3.1 kHz audio), 7AU (7 kHz audio), 56C (56 kbit/s CMD), 64C (64 kbit/s CMD), or PMD (packet mode data)	To configure bearer capability per DN when SERVORD defaults are not sufficient, enter option BCDATA in table DNATTRS using the table editor.
		Note: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		
none	no parameter	PVC	protocol version control LTID parameter values for NI-1 are VERSION= FUNC-TIONAL and ISSUE=2	Set up logical terminal using the SERVORD command SLT ADD. When SERVORD prompts for OPTION, enter PVC. When SERVORD prompts for VERSION, enter FUNCTIONAL. When SERVORD prompts for ISSUE, enter 2.
		Note: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		

-continued-

ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
INTFCT	interface type OE parameter value is BRA or PRA	LTCLASS	logical terminal class LTID parameter value is BRAFS	Set up logical terminal using the SERVORD command SLT ADD. When SERVORD prompts for LTCLASS, enter BRAFS.
		LCC	line class code DN parameter value is ISDNKSET	Assign primary DN to key 1 using the SERVORD command NEW. When SERVORD prompts for LCC, enter ISDNKSET.
		Note: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		
SPAPH	semi-permanent access to packet handler function for the B-channel OE parameter	PHLINK	nailed-up B-channels OE parameter	Set up logical terminal using the SERVORD command SLT ATT. When SERVORD prompts for an option, enter PHLINK. At the XSG prompt, enter the XSG to which the nailed-up connection is being made. When SERVORD prompts for an option, enter BCH. At the BCH prompt, enter the channel (B1 or B2).
		Note: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		

-continued-

ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
PIC	primary inter-exchange carrier DN/CT parameter value is a list of up to 3 compound parameters, each consisting of up to two 4-digit fields separated by a dash (-), representing the valid 4-digit interexchange carrier codes followed by one of SP, 3AU, 7AU, 56C, 64C, or PMD; or NULL	LATANAME	LATA name BC parameter value is any name previously defined in tables LATANAME and LATAXLA default is NILLATA	Assign primary DN to key 1 using the SERVORD command NEW. When SERVORD prompts for LATANAME, enter the name of the PIC. To tailor a PIC per BC, enter a PIC name in table DNATTRS using the table editor: field: enter: BCIOTUD bc BCPIC lataname
		Note 1: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** Names defined in LATANAME and LATAXLA are per-switch parameters. ***Note 3:*** If a PIC is defined per BC in table DNATTRS, any previously-defined PIC for the DN is overridden.		

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ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
HLCIT	high layer compatibility information transfer DN/CT parameter value is yes or no default is no	PROVHLC	high layer compatibility DN/CT parameter value is yes or no default is no	Assign option PROVHLC to an OPTKEY with the SERVORD command ADO. When SERVORD prompts for CALLTYPE, enter VBINFO or CMDATA. Respond to the CALLTYPE prompt with a second call type, if required.
		Note 1: Refer to "ISDN Basic Access" and "Call Processing and ISUP Interworking" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: When interworking with an IEC over SS7, the operating company has the ability to indicate whether the IEC is allowed to receive an IAM containing the ATP in which LLC, HLC, CGS, or CDS can be sent, or to specify which elements carried in a received ATP are to be discarded. Refer to the chapter "Call Processing and ISUP Interworking" in the *Translations Guide*.		

-continued-

ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
LLCIT	low layer compatibility information transfer DN/CT parameter value is yes or no default is no	PROVLLC	low layer compatibility DN/CT parameter value is yes or no default is no	Assign option PROVLLC to an OPTKEY with the SERVORD command ADO. When SERVORD prompts for CALLTYPE, enter VBINFO or CMDATA. Respond to the CALLTYPE prompt with a second call type, if required.
		Note 1: Refer to "ISDN Basic Access" and "Call Processing and ISUP Interworking" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: When interworking with an IEC over SS7, the operating company has the ability to indicate whether the IEC is allowed to receive an IAM containing the ATP in which LLC, HLC, CGS, or CDS can be sent, or to specify which elements carried in a received ATP are to be discarded. Refer to the chapter "Call Processing and ISUP Interworking" in the *Translations Guide*.		

-continued-

ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CDPSAIT	called party subaddress information transfer DN/CT parameter value is yes or no default is no	PROVCGS	calling party subaddress value is yes or no default is no	Assign option PROVCGS to an OPTKEY with the SERVORD command ADO. When SERVORD prompts for CALLTYPE, enter VBINFO or CMDATA. Respond to the CALLTYPE prompt with a second call type, if required.
		Note 1: Refer to "ISDN Basic Access" and "Call Processing and ISUP Interworking" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: When interworking with an IEC over SS7, the operating company has the ability to indicate whether the IEC is allowed to receive an IAM containing the ATP in which LLC, HLC, CGS, or CDS can be sent, or to specify which elements carried in a received ATP are to be discarded. Refer to the chapter "Call Processing and ISUP Interworking" in the *Translations Guide*.		

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ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CGPSAIT	calling party subaddress information parameter DN/CT parameter value is yes or no default is no	PROVCDS	called party subaddress value is yes or no default is no	Assign option PROVCDS to an OPTKEY with the SERVORD command ADO. When SERVORD prompts for CALLTYPE, enter VBINFO or CMDATA. Respond to the CALLTYPE prompt with a second call type, if required.
		Note 1: Refer to "ISDN Basic Access" and "Call Processing and ISUP Interworking" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: When interworking with an IEC over SS7, the operating company has the ability to indicate whether the IEC is allowed to receive an IAM containing the ATP in which LLC, HLC, CGS, or CDS can be sent, or to specify which elements carried in a received ATP are to be discarded. Refer to the chapter "Call Processing and ISUP Interworking" in the *Translations Guide*.		
EQC	equipment class OE parameter value is I or II Applies only when both classes of equipment are allowed on BRI and PRI.	none	class I is supported on BRI no parameter	Equipment class is automatically assigned when LTCLASS and LCC are assigned. Refer to keywords LTCLASS and LCC on p. 12-6.

-continued-

ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
NBC	number of B-channels OE/DN parameter (m*24B)+nB where m=0, n is 0 to 2 with default=2, for BRI	none	default is one per circuit mode LTID limit is two per BRI interface no parameter	none
SCPN	screening of calling party number OE parameter value is yes or no if SCPN is no, then CPDDN is required if CPNPN is yes, then SCPN must be yes	none	calling party number is always screened no parameter	none

-continued-

ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
NPT	network provided tones DN/CT parameter VI call type only value is yes or no default is yes	none	tones/ announce-ments are always supported for VI call type no parameter	Automatically assigned when ABS or bearer capability parameter assigned. Refer to keyword ABS on p. 12-4, and to keyword BC on p. 12-5. When interworking with SS7, datafill TMTMAP.
		Note: Refer to "Call Processing and ISUP Interworking" in the "ISDN BRI" section of the *Translations Guide*.		
T301	timer 301 per-switch parameter value is 3 to 7 min in increments of 1 min default is 5 min	none	timer 301 per-switch parameter value is 0 to 320 s	none

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ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
T303	timer 303 per-switch parameters value is 1 to 4 s in increments of 0.5 s default is 2.5 s	none	timer 303 no parameter default of 2.5 s is hardcoded	none
T305	timer 305 per-switch parameter value is 2 to 60 s in increments of 1 s default is 30 s	none	timer 305 no parameter default of 30 s is hardcoded	none
T306	timer 306 per-switch parameter value is 2 to 60 s in increments of 1 s default is 30 s	none	timer 306 no parameter equivalent to treatment timer	none

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ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
T308	timer 308 per-switch parameter value is 2 to 10 s in increments of 1 s default is 4 s	none	timer 308 no parameter default of 4 s is hardcoded	none
T309	timer 309 per-switch parameter value is10 to 90 s in increments of 10 s default is 30 s	none	timer 309 no parameter default of 30 s is hardcoded	none
T310	timer 310 per-switch parameters value is 3 to 10 s in increments of 1 s default is 5 s	none	timer 310 no parameter default of 5 s is hardcoded	none

-continued-

ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
T322	timer 322 per-switch parameter value is 2 to 10 s in increments of 1 s default is 4 s	none	timer 322 no parameter default of 4 s is hardcoded	none
T400	regular interdigit timer T400 BBG dial plan parameter or per-switch parameter value is 6 to 24 s in increments of 1 s default is 16 s	none	long (regular) interdigit timer T400 per switch parameter value is 7 to 255 ms in increments of 160 ms default is 63 (10 s)	Set the value of the long partial time in table OFCENG using the table editor: field: LN_LONG_PARTIAL_DIAL_TIME_ enter: time Activate long partial timing in table DIGCOL using the table editor: field: TMODE enter: L
		Note: Refer to "Call Processing and ISUP Interworking" in the "ISDN BRI" section of the *Translations Guide*.		

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ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
T401	critical interdigit timer T401 BBG dial plan parameter or per-switch parameter value is 3 to 5 s in increments of 0.5 s default is 4 s	none	short (critical) interdigit timer T401 per-switch parameter value is 7 to 255 ms in increments of 160 ms default is 25 (4 s)	Set the value of the short partial time in table OFCENG using the table editor: field: LN_SHORT_PARTIAL_DIAL_TIME_ enter: time
		Note: Refer to "Call Processing and ISUP Interworking" in the "ISDN BRI" section of the *Translations Guide*.		
T402	timer 402 per-switch parameter value is10 to 12 s in increments of 1 s default is 12 s	none	time release disconnect	none

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ISDN Basic Call (TR268) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
T408	timer 408 per-switch parameters value is 2 to 60 s in increments of 1 s default is 30 s	none	timer 408 no parameter default of 4 s is hardcoded	none
CPND	Refer to "Calling Number ID Services" on p. 9-1.	none	none	none
CPNPA	Refer to "Calling Number ID Services" on p. 9-1.	none	none	none
-end-				

ISDN EKTS (TR205)

Feature name

ISDN EKTS (TR205)

Restrictions

Access code parameters associated with enabling and disabling station ring transfer are not supported. Parameters SRTD1 and SRTD2 are not supported.

ISDN EKTS (TR205)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
EKTS	Electronic Key Telephone Service TSP parameter value is yes or no default is no	EKTS	Electronic Key Telephone Service LTID parameter value is yes or no there is no default	Set up logical terminal using the SERVORD command SLT ADD. When SERVORD prompts EKTS, enter Y.
		Note 1: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		

-continued-

ISDN EKTS (TR205) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CAP	call appearance number DN/CT parameter value is 1 to 16 default is 1	none	no parameter DN key is 1; AFC keys are automatically numbered in sequence shared DNs have a value of 1	Assign the DN to an OPTKEY using the SERVORD command NEW. Assign option AFC to an OPTKEY with the SERVORD command NEW or ADO.
		Note 1: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: AFC keys are automatically numbered in sequence.		
		Note 3: Shared DNs are limited to a single call appearance.		
none	no parameter	MDN	Multiple Appearance DN (shared DN) DN parameter	Assign option MDN to an OPTKEY using the SERVORD command ADO. Refer to the BRIDGING, INIT_STAT, and PRL_MODE keywords on p. 13-6.
		Note 1: Refer to "Electronic Key Telephone Service" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: MDN must be assigned for shared DN appearance.		

-continued-

ISDN EKTS (TR205) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
NCAP	number of call appearances DN/CT parameter applicable to VI only value is 1 to 16 default is 1	DN/AFC	LTID parameter value is 1 to 5 default is 1	Automatically assigned through assignment of DN and AFC keys. Refer to keyword CAP on p. 13-2.
		Note: Maximum of 1 call appearance for shared DNs.		
CACH	Call Appearance Call Handling TSP parameter value is yes or no default is no	CACH	Call Appearance Call Handling LTID parameter value is yes or no there is no default	Assign the CACH option to the terminal using the SERVORD command ADD.
		Note: Refer to "CACH-Call Appearance Call Handling" in the "Service Order Options" section of the *SERVORD for ISDN Terminals Reference Manual*, 297-2401-310.		

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ISDN EKTS (TR205) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CAPI	Call Appearance Identifier TSP/DN/CT parameter list of compound values consisting of an integer in the range 1 to 16, a dash (-), and an integer in the range of 1 to 16383 maximum of 128 total call appearance per TSP	none	The sequence of DN and AFC keys automatically determine the CAPI. no parameter	none
		Note: CAPI is a combination of the CAP and the key number.		

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ISDN EKTS (TR205) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
ICG	intercom groups associated with the interface OE/TSP parameter value is a list of integers in the range 0 to 99999 default is 0	GIC	group intercom LTID parameter default is none	Assign option GIC to an OPTKEY with the SERVORD command ADO. When the SERVORD prompts for GICNAME, enter a group name (1 to 8 characters). When SERVORD prompts for GICMEMO, enter a member number (1 to 4 characters).
		Note: Refer to "GIC-Group Intercom" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
DNB	DN bridging TSP/DN/CT parameter value is yes or no default is no	none	LTID parameter value is yes or no default is no	none
		Note: DN bridging is part of the Flexible Calling feature. Refer to "Flexible Calling" on p. 8-1.		

-continued-

ISDN EKTS (TR205) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
none	no parameter	BRIDGING	bridging of shared DNs DN parameter value is yes or no default is no	When SERVORD prompts for BRIDGING (during assignment of MDN option), enter Y.
		Note: Refer to "Electronic Key Telephone Service" in the "ISDN BRI" section of the *Translations Guide*.		
BCE	Bridged Call Exclusion TSP parameter value is yes or no default is no	INIT_STAT	privacy status type DN parameter value is PRIVATE or NON-PRIVATE	When SERVORD prompts for INIT_STAT (during assignment of MDN), enter PRIVATE.
		Note: Refer to "Electronic Key Telephone Service" in the "ISDN BRI" section of the *Translations Guide*.		
BCE.	Bridged Call Exclusion type BBG parameter value is M (manual) or A (automatic) default is M	PRL_MODE	privacy mode DN parameter value is MANUAL or AUTO	When SERVORD responds with the PRL_MODE prompt (during assignment of MDN), enter MANUAL or AUTO.
		Note: Refer to "Electronic Key Telephone Service" in the "ISDN BRI" section of the *Translations Guide*.		

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ISDN EKTS (TR205) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
none	no parameter	EHLD	EKTS hold MDN parameter	When SERVORD prompts for OPTION (during the assignment of MDN), enter EHLD.
		Note 1: Refer to "Electronic Key Telephone Service" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: EHLD must be assigned for NI-1 service uniformity.		
PCA	privacy change allowed for EKTS terminals TSP parameter value is yes or no default is no	PRV PRL	Privacy Invoke Privacy Release LTID parameters default depends on the value of PRL_MODE	Assign PRV and PRL to OPTKEYs using the SERVORD command ADO.
		Note 1: Refer to "Electronic Key Telephone Service" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: PRV and PRL activate and deactivate privacy mode for bridged calls.		

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ISDN EKTS (TR205) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
MBCEACC	manual bridged call exclusion access code BBG dial plan parameter value is up to 5 digits	PRLA PRLC	customer group parameter value is a 2-digit access code	Assign in table IBNXLA using the table editor, by datafilling the PRLA field for the feature activator and PRLC for the deactivation code: field: enter: XLANAME translator DGLIDX access code TRSEL FEAT FEAT PRLA or PRLC
		Note: Refer to "Electronic Key Telephone Service" in the "ISDN BRI" section of the *Translations Guide*.		
CH	consultation hold TSP parameter value is yes or no default is no	none	always automatically assigned when Flexible Calling (FC) is assigned no parameter	none
		Note: Refer to "Flexible Calling" on p. 8-1.		

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ISDN EKTS (TR205) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
SRT	station ringing transfer TSP parameter value is yes or no default is no	MRF	similar function is supported through Multiple Appearance DN (MADN) Ring Forward DN parameter default is none	Create a MADN group by assigning option MDN to an OPTKEY using the SERVORD command ADO. When SERVORD prompts for OPTION, enter MRF.
		Note: Refer to "Electronic Key Telephone Service" in the "ISDN BRI" section of the *Translations Guide*.		
none	no parameter	MRFM	MADN Ring Forward Manual DN parameter default is none	Assign the MRFM option to an OPTKEY using the SERVORD command ADO.
		Note 1: Refer to "Electronic Key Telephone Service" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** The MRFM feature manually activates ringing at any time, overriding the timer.		

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ISDN EKTS (TR205) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
AP	alerting pattern TSP/DN/CT parameter value is N (normal), A (abbreviated), D (delayed), or NONE	MRF_RING	MRF ring DN parameter value is ALWAYS, NEVER, ABBR, or DELAY default is none	After assigning MRF, respond to the SERVORD prompt MRF_RING with ALWAYS (normal ringing), ABBR, or DELAY.
		Note: Refer to "Electronic Key Telephone Service" in the "ISDN BRI" section of the *Translations Guide*.		
EKTST1	EKTS timer 1 BBG parameter value is 1 to 30 s in increments of 1 s default is 18 s	MRFTIMER	MADN Ring Forward timer DN parameter value is 0 to 60 s default is none	After assigning the MRF option, respond to the AUTO prompt with Y. Respond to the MRFTIMER prompt by entering the timer value.
		Note 1: Refer to "Electronic Key Telephone Service" in the "ISDN BRI" section of the *Translations Guide*. ***Note 2:*** MRFTIMER defines the length of time from call completion until the MADN Ring Forward feature is activated.		
-end-				

ISDN Display (TR865)

Feature name

ISDN Display (TR865)

Restrictions

Parameters TDS1, TDS2, and TDS3 are not suppressed.

ISDN Display (TR865)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
EDNA	EKTS display with no altering TSP/DN/CT parameter value is yes or no default is no	none	not supported	none
DISTXT	display text per-switch parameter list of compound values each consisting of an integer in the range of 1 to 512, followed by a dash (-) and 4 specially formatted 1A5 strings	REASONID	table REASONS provides default display text which can be edited	Assign new default display test in table REASONS using the table editor.
		Note 1: Refer to table REASONS in the data schema section of the *Translations Guide*.		
		Note 2: Display text is supported in the following manner: • For a protocol version 2 (PVC2) terminal, the Display Text Information Element is used. Refer to "ISDN Basic Call," keyword PVC on p. 12-5. • ASCII strings are supported; IA5 strings are not supported.		

LAPD (TR793)

Feature name

LAPD (TR793)

Restrictions

None

LAPD (TR793)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
D1	number of user-assigned call control TEI values OE parameter value is in the range 0 to 64 default is 1 if LO=FLO, or 8 if LO=DYN or LO=DYNPAL	UATEI	user assigned TEI value LTID parameter default is 1	Set up the logical terminal using the SERVORD SLT ADD command. When SERVORD prompts for TEI_TYPE, enter UATEI. When SERVORD prompts OPTION, enter SPIDSFX. When SERVORD responds with SPID_SUFFIX, enter a value of up to 8 characters.
		Note 1: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: Assigning a user-assigned TEI requires the entry of an SPIDSFX value.		

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LAPD (TR793) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
D2	number of switch-assigned call control TEI values OE parameter value is in the range 0 to 64 default is 1 if LO=FLO, or 8 if LO=DYN or LO=DYNPAL	DTEI	dynamic TEI LTID parameter default is 1	Set up logical terminal using the SERVORD SLT ADD command. When SERVORD prompts for TEI_TYPE, enter DTEI. When SERVORD prompts OPTION, enter SPIDSFX. When SERVORD responds with SPID_SUFFIX, enter a value of up to 8 characters.
		Note 1: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		
		Note 2: Assigning a dynamic TEI requires the entry of an SPIDSFX value.		
P1	number of user-assigned packet control TEI values OE parameter value is in the range 0 to 64 default is 1 if LO=FLO, 0 if LO=DYN, or 8 if LO=DYNPAL	STEI	static TEI LTID parameter default is 1	Set up the logical terminal using the SERVORD SLT ADD command. When SERVORD prompts for TEI_TYPE, enter STEI.
		Note: Refer to "ISDN Basic Access" in the "ISDN BRI" section of the *Translations Guide*.		

-continued-

LAPD (TR793) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
DES	diagnostic error signaling OE parameter value is yes or no default is no	none	no parameter default is yes	none
		Note: Terminal receives all diagnostic information for unrecoverable errors.		
LO	link operation OE parameter value is DYN (dynamic links, not packet links), DYNPAL (dynamic links with packet links), or FLO (fixed link option) default is DYN if EC=I, or FLO if EC=II	none	no parameter default is dynamic links, not packet lines	Automatically assigned by creating LTID with TEI_TYPE specified.

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LAPD (TR793) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
NSL	number of signaling links OE parameter value range is 3 to 256 default is 3 if LO=FLO, 10 if LO=DYN, or 18 if LO= DYNPAL	none	maximum is 8 links no parameter	Automatically assigned by the number of LTIDs attached to the OE.
		Note 1: D-channel control of no more than two BRA LTIDs (SAPI0). ***Note 2:*** D-channel control of no more than eight D-channel LTIDs (SAPI16).		
T200	timer 200 OE/per-switch parameter value is 0.5 to 5 s in increments of 0.1 s default is T200 per-switch value	T200	timer 200 no parameter default is 1 s hardcoded as a per-switch value	none

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LAPD (TR793) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
T201	timer 201 OE/per-switch parameter value is 0.5 to 5 s in increments of 0.1 s default is T201 per-switch value	T201	minimum time between retrans-mission of the TEI identity check messages no parameter default is 1 s hardcoded as a per-switch value	none
none	no parameter	T202	minimum time between the transmission of TEI identity request messages no parameter default is 2 s hardcoded as a per-switch value	none
T203	timer 203 OE/per-switch parameter value is10 to 300 s in increments of 10 s default is 30 s	T203	maximum time allowed without frames being exchanged no parameter default is 10 s hardcoded as a per-switch parameter	none

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LAPD (TR793) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
N200	number of retrans-missions before recovery procedure, LAPD per-switch parameter value is 1 to 10 default is 3	N200	maximum number of retrans-missions no parameter default is 3 retrans-missions hardcoded as a per-switch parameter	none
N201	number of allowed octets in information field of D-channel frame, LAPD per-switch parameter default is 260	N201	maximum number of octets in an information field no parameter default is 260 octets hardcoded as a per-switch parameter	none

-continued-

LAPD (TR793) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
none	no parameter	N202	maximum number of transmissions of an identity request message no parameter default is 3 transmissions hardcoded as a per-switch parameter	none
OIFD	outstanding information frames for LAPD per-switch parameter value is 1 to 127 default is 1 if SAP=0, or 3 if SAP=16	none	maximum number of outstanding frames no parameter default is 1 frame for 16 kbit/s signaling, or 3 frames for 16 kbit/s packet, hardcoded as a per-switch parameter	none
NM20	number of transmission retries for XID frame, maximum OE parameter default is 3	none	not supported	none

-continued-

LAPD (TR793) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
ANOT	automatic notification OE parameter value is yes or no default is no	none	not supported	none
TM20	timer TM20 OE/per-switch parameter value is 0.5 to 5 s in increments of 0.1 s default is 2.5 s	none	not supported	none

-end-

Message Waiting (TR866)

Feature name

Message Waiting (TR866)

Restrictions

Parameters AMSRID, DMSRID, and DFR are not supported.

Message Waiting (TR866)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
MWIN	Message Waiting indicator notification OE/DN parameter value is yes or no default is no	MWT	Message Waiting LTID parameter MWT allows the message waiting indicator to be activated default is no	Assign the MWT option to an OPTKEY using the SERVORD command ADO. When SERVORD prompts NOTICE, enter MWL. Respond to keyword CAR on p. 16-2, and to keyword CRX on p. 16-4.
		Note 1: Refer to "MWT-Message Waiting" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
		Note 2: Message indication applies only to the primary DN (the DN assigned to OPTKEY 1).		

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Message Waiting (TR866) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
none	no parameter	CAR	message waiting based on call requests message waiting based on call requests LTID parameter value is yes (the line is allowed to make call requests to another line and receive call requests from others) or no message waiting based on call requests	After assigning the MWT option to an OPTKEY, respond to prompt CAR by entering yes or no. (For NI-1 compliance, set CAR to no.) If you enter yes for CAR, respond to the CRRCFW prompt as described on p. 16-3.
		Note 1: Refer to "MWT-Message Waiting" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
		Note 2: CAR allows call requests to be queued on the called line.		
		Note 3: Assigning the MWT option to an OPTKEY is the first step in allowing users to leave a number to be called back (without a message system).		

-continued-

Message Waiting (TR866) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
none	no parameter	CRRCFW	call request retrieval/ call forwarding LTID parameter value is ALL (allow the call request retrieval to be forwarded), DISPLAY (allow the call request retrieval to be forwarded only if requestee has display set), or NO (stop call request retrieval from being forwarded) default is no	When SERVORD prompts for CRRCFW, enter ALL, DISPLAY, or NO.

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Message Waiting (TR866) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
none	no parameter	CRX	call request exempt LTID parameter value is yes (line is exempt from call requests placed on its line by others), or no default is no	After assigning the MWT option to an OPTKEY, respond to prompt CRX by entering yes or no (for NI-1 compliance, set CRX to yes).
none	no parameter	LVM	leave message LTID parameter default is none	Assign the LVM option to an OPTKEY using the SERVORD command ADO.
		Note 1: Refer to "LVM-Leave Message" in the "Service Order Options" section of the *SERVORD Reference Manual*.		
		Note 2: LVM allows callers to leave their numbers to be recalled and dialed (activates MW indicator without message center).		
		Note 3: LVM can be assigned only if MWT has been assigned to the terminal with keywords CAR=YES and CRX=NO.		

-continued-

Message Waiting (TR866) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
MWINT	message waiting indicator OE/DN parameter value is SO (audible message waiting indicator) (stutter), FI (feature indication only), or BOTH (both feature indication and stutter) default is FI	none	automatically assigned when MWT is assigned default is message waiting lamp only no parameter	none
NUMMWI	number of message waiting indicators assigned OE/DN parameter value is 1 to 10 default is 1	none	no parameter default is 1 per LTID	none

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Message Waiting (TR866) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
MWIC	message waiting indicator control TSP parameter value is yes or no default is no	SMDI	simplified message desk interface hunt group parameter	Datafill appropriate tables to set up SMDI link and DN suppression.
		Note: Refer to "Datafilling for SMDI" in *Meridian Digital Centrex Simplified Message Desk Interface Set-up and Operation*, 297-2051-104.		
DMWI	message waiting indicator deactivation OE/DN parameter value is yes or no default is no	none	MWT lamp remains on until there is no message or call request in the queue deactivated by retrieving message no parameter	none
		Note 1: Interworks with SMDI. See p. 16-6.		
		Note 2: Restricted to terminal with MWT assigned.		

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Message Waiting (TR866) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
MWIDACC	message waiting indicator deactivation access code BBG dial plan/ per-switch parameters value is mXX or nX where m=2 or 3, n=4 to 6, and X=0 to 9	CRDA	call request delete all customer group parameter	Specify CRDA in table IBNXLA using the table editor: field: enter: XLANAME translator DGLIDX access code TRSEL FEAT FEAT CRDA
		CRR	call request retrieval customer group parameter	Datafill CRR in table IBNXLA: field: enter: XLANAME translator DGLIDX access code TRSEL FEAT FEAT CRR
		Note 1: Refer to table IBNXLA in the data schema section of the *Translations Guide*.		
		Note 2: CRDA and CRR are two separate options; either can be assigned to deactivate the MW indicator.		
		Note 3: If the CRR access code is used, the MWT lamp remains on until there is no message or call request in the queue.		

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Message Waiting (TR866) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
MWIMAX	maximum number of outstanding MWI control requests TSP parameter value is 256 to 1024 default is 256	NUMTRIDS	maximum number of concurrent network MWT transactions per-switch parameter value is 0 to 32767	Define NUMTRIDS in table TCAPTRID using the table editor: field: enter: TCAPAPPL TCAP transaction ID NUMTRIDS value
		Note 1: Refer to "Datafilling for SMDI" in *Meridian Digital Centrex Simplified Message Desk Interface Set-up and Operation*, 297-2051-104.		
		Note 2: This feature is most applicable to the network Message Waiting feature.		

-continued-

Message Waiting (TR866) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
AMSRID	authorized message service identification OE/DN parameter value is a list of compound parameters, each consisting of an integer from 1 to 10, followed by a dash (-), followed by a NULL or a 10-digit numeric string default is NULL	none	not supported	none
MWI-T1	timer MWI-T1 per-switch parameter value is 2 to 4 s in increments of 1 s default is 3 s	none	message waiting timer per-switch parameter hardcoded	none
-end-				

PPSN Generic Requirements (TR301)

Feature name

PPSN Generic Requirements (TR301)

Restrictions

Parameters that apply to both TR301 and TR846 are described in the section "ISDN X.25 Supplementary Services (TR846)."

PPSN Generic Requirements (TR301)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
LLFSQ	link layer frame sequencing, LAPB DN/CT parameter value is MOD8 or MOD128 default is MOD8	LNKPROC	link level frame sequencing DN/channel type parameter value is LAPB_DCE (MOD8) or LAPBE_DCE (MOD128) default is LAPB_DCE (MOD8)	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM, enter LNKPROC. At the LNKPROC prompt, enter the value. Enter LAPBE_DCE to specify MOD128. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
LLWS	link layer window size, LAPB DN/CT parameter value is 1 to 127 default is 7	FRMWDWK	link level window size DN/channel type parameter value is 1 to 127 if LNKPROC is LAPBE_DCE (MOD128), or 1 to 7 if LNKPROC is LAPB_DCE (MOD8) default is 7	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM, enter FRMWDWK. At the FRMWDWK prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
Note: Refer to the section "Packet Service Options" in *ISDN Service Orders for ISDN Terminals Reference Manual*, 297-2401-310.				

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PPSN Generic Requirements (TR301) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
N1	maximum bits in an information frame, LAPB DN/CT parameter value is 2120, 4186, 8264, 16456, or32840 default is 2120	none	maximum bits in an information frame, LAPB value is 2120	Value is hard coded and cannot be changed.
N2	maximum number of attempts to complete a successful transmission, LAPB DN/CT parameter value is 2 to 15 default is 3	RETRYN2	maximum number of re-transmissions DN/channel type parameter value is 2 to 15 default is 3	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM, enter RETRYN2. At the RETRYN2 prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.

Note: Refer to the section "Packet Service Options" in *ISDN Service Orders for ISDN Terminals Reference Manual*, 297-2401-310.

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PPSN Generic Requirements (TR301) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
T1	acknowledge-ment timer T1, LAPB DN/CT parameter value is 2 to 40, where one unit equals 0.5 s default is 4 (2 s)	RESPT1	acknowledge-ment timer DN/channel type parameter value is 10 to 200, where one unit equals 100 ms default is 20 (2 s)	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM, enter RESPT1. At the RESPT1 prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
T2	response timer T2, LAPB DN/CT parameter value is 0 to 4, in units of 0.1 s no default	RESPDTMR	response timer DN/channel type parameter value is 0 to 4, where one unit equals 100 ms default is 2 (0.2 s)	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM, enter RESPDTMR. At the RESPDTMR prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
Note: Refer to the section "Packet Service Options" in *ISDN Service Orders for ISDN Terminals Reference Manual*, 297-2401-310.				

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PPSN Generic Requirements (TR301) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
T3	idle channel timer T3, LAPB DN/CT parameter value is 1 to 30, in units of seconds default is 5	IDLPBT3	idle channel timer DN/channel type parameter value is 1 to 30, in units of seconds default is 5	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM, enter IDLPBT3. At the IDLPBT3 prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
ICP	interexchange carrier preselection DN/CT parameter value is a 4-digit DNIC code no default	RPOAPDNIC	interexchange carrier subscription DN/CT parameter value is a 4-digit code no default	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter RPOAPDNIC. At the RPOAPDNIC prompt, enter the value.
FSA	fast select acceptance DN/CT parameter value is Y or N default is N	INFAST	fast select acceptance DN/CT parameter value is Y or N default is N (not accepted)	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter INFAST. At the INFAST prompt, enter the value.

Note: Refer to the section "Packet Service Options" in *ISDN Service Orders for ISDN Terminals Reference Manual*, 297-2401-310.

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PPSN Generic Requirements (TR301) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
RCA	reverse charging acceptance DN/CT parameter value is Y or N default is N (reverse charge not accepted)	INNPRC	reverse charging acceptance DN/CT parameter value is Y or N default is N (reverse charge not accepted)	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter INNPRC. At the INNPRC prompt, enter the value.
Note: Refer to the section "Packet Service Options" in *ISDN Service Orders for ISDN Terminals Reference Manual*, 297-2401-310.				

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PPSN Generic Requirements (TR301) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
CUG	closed user group subscription DN/CT parameter value is OCUG, CUGOA, CUGIA, CUGOAIA, or NONE default is NONE	INACCESS and OUTACCESS	closed user group facility selection DN/CT parameter value is OCUG, CUGOA, CUGIA, CUGOAIA, or N Default is N(o) if the DN/CT does not belong to a CUG. Default is CUGOAIA (INACCESS is Y and OUTACCESS is Y) once the DN/CT is added to a CUG.	Ensure that the DN/CT belongs to a CUG. Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter INACCESS. At the INACCESS prompt enter the value according to the scheme listed below. When SERVORD prompts for a DNA_PARM, enter OUTACCESS. At the OUTACCESS prompt, enter the value according to the scheme listed below. • OCUG = INACCESS is N and OUTACCESS is N • CUGOA = INACCESS is N and OUTACCESS is Y • CUGIA = INACCESS is Y and OUTACCESS is N • CUGOAIA = INACCESS is Y and OUTACCESS is Y
Note: Refer to the section "Packet Service Options" in *ISDN Service Orders for ISDN Terminals Reference Manual*, 297-2401-310.				

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PPSN Generic Requirements (TR301) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
PRFCUG	preferential closed user group DN/CT parameter value is NULL, 00 to 99, or 0000 to 9999 default is NULL	PCUG	preferential closed user group DN/CT parameter value is Y or N default is N	Use the ADDPH or CHAPH command in SERVORD. At the ADD/CHA_OPTION prompt, enter CUG. When SERVORD prompts for a CUGINDEX, enter 0. When SERVORD prompts for a CUG_PARM, enter PCUG. At the PCUG prompt, enter Y.
Note: Refer to the section "Packet Service Options" in *ISDN Service Orders for ISDN Terminals Reference Manual*, 297-2401-310.				
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ISDN X.25 Supplementary Services (TR846)

Feature name

ISDN X.25 Supplementary Services (TR846)

Restrictions

The direct call capability is not supported. Parameters DCLCAD, DCLCANUPB, DCLCAODB, and LCAODB are not supported.

X.25 Supplementary Services (TR846)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
DTE	compatibility with DTE DN/CT, BPKTGP, DPKTGP parameter value is 80, 84, or 88 default is 84	none	access privilege LTID parameter value is B (LAPB) or D (LAPD)	Set up logical terminal using SERVORD command SLT ADD. When SERVORD prompts for CS, enter N, and at the PS prompt, enter B or D.
RPOAB	recognized private operating administration selection barred DN/CT, BPKTGP, DPKTGP parameter value is Y or N default is N (permit selection)	EXPLRPOA	recognized private operating administration barred DN/CT parameter value is Y or N default is Y (permit selection)	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter EXPLRPOA. At the EXPLRPOA prompt, enter the value. Enter N to bar RPOA selection.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
LCP	local charge prevention DN/CT parameter value is Y or N default is N (permit charging)	OUT	local charging prevention DN/CT parameter value is Y or N default is Y (permit charging)	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter OUT. At the OUT prompt, enter the value. Enter N to prohibit charging to local DN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
LCAD	logical channel assignment for D-channel DN/CT parameter value is 0 to 4095 for each of the following parameters: LPV, HPV, LIC, HIC, LTC, HTC, LOC, and HOC default is 0 for LPV, HPV, LIC, HIC, LOC, and HOC, and 1 for LTC and HTC	LCNBASE	start logical channel number DN/channel type parameter value is 1 to 511 default is 1	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPD_PARM, enter LCNBASE. At the LCNBASE prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
		NUMPVC	number of permanent virtual circuits DN/channel type parameter value is 0 to 64 default is 0	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPD_PARM, enter NUMPVC. At the NUMPVC prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
LCAD (cont)		NUMIVC	number of one-way incoming logical channels DN/channel type parameter value is 0 to 64 default is 0	Use the SETPH command in SERVORD. When SERVORD prompts for LAPD_PARM, enter NUMIVC. At the NUMIVC prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
		NUMLCN	number of non-restricted channels DN/channel type parameter value is 1 to 64 default is 1	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPD_PARM, enter NUMLCN. At the NUMLCN prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
		NUMOVC	number of one-way outgoing logical channels DN/channel type parameter value is 0 to 64 default is 0	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPD_PARM, enter NUMOVC. At the NUMOVC prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
LCANUPB	logical channel assignment for nailed-up B-channels DN/CT parameter value is 0 to 4095 for each of the following parameters: LPV, HPV, LIC, HIC, LTC, HTC, LOC, and HOC default is 0 for LPV, HPV, LIC, HIC, LOC, and HOC, and 1 for LTC and HTC	LCNBASE	start logical channel number DN/channel type parameter value is 1 to 1024 default is 1	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM, enter LCNBASE. At the LCNBASE prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
		NUMPVC	number of permanent virtual circuits DN/channel type parameter value is 0 to 512 default is 0	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM, enter NUMPVC. At the NUMPVC prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
LCANUPB (cont)		NUMIVC	number of one-way incoming logical channels DN/channel type parameter value is 0 to 512 default is 0	Use the SETPH command in SERVORD. When SERVORD prompts for LAPB_PARM, enter NUMIVC. At the NUMIVC prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
		NUMLCN	number of non-restricted channels DN/channel type parameter value is 1 to 512 default is 1	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM, enter NUMLCN. At the NUMLCN prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
		NUMOVC	number of one-way outgoing logical channels DN/channel type parameter value is 0 to 512 default is 0	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM, enter NUMOVC. At the NUMOVC prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
ICB	incoming calls barred and incoming calls barred to the CUG DN/CT parameter and CUG parameter value is Y or N default is N (incoming calls allowed)	OUTONLY	incoming calls barred DN/CT parameter value is Y or N default is N (incoming calls allowed)	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter OUTONLY. At the OUTONLY prompt, enter the value. Enter Y to bar incoming calls.
		INCCALLS	CUG incoming access barred CUG parameter value is Y or N default is Y (incoming calls allowed)	Use the ADDPH or CHAPH command in SERVORD. At the CHA_OPTION prompt, enter CUG. When SERVORD prompts for a CUG_PARM, enter INCCALLS. At the INCCALLS prompt, enter the value. Enter N to bar incoming calls.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
OCB	outgoing calls barred and outgoing calls barred to the CUG DN/CT parameter and CUG parameter value is Y or N default is N (outgoing calls allowed)	INONLY	outgoing calls barred DN/CT parameter value is Y or N default is N (outgoing calls allowed)	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter INONLY. At the INONLY prompt, enter the value. Enter Y to bar outgoing calls.
		OUTCALLS	CUG outgoing access barred CUG parameter value is Y or N default is Y (outgoing calls allowed)	Use the ADDPH or CHAPH command in SERVORD. At the CHA_OPTION prompt, enter CUG. When SERVORD prompts for a CUG_PARM, enter OUTCALLS. At the OUTCALLS prompt, enter the value. Enter N to bar outgoing calls.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
BIDTC	B-channel incoming default throughput class (in bps) DN/CT parameter value is 75, 150, 300, 600, 1200, 2400, 4800, 9600, 19200, 48000, 56000, or 64000 default is 9600	RECVTPT	incoming default throughput class assignment DN/channel type parameter value is 3 to 13, where 3 = 75, 4 = 150, 5 = 300, 6 = 600, 7 = 1200, 8 = 2400, 9 = 4800, 10 = 9600, 11 = 19200, 12 = 48000, 13 = 64000 default is 13 (64000)	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter RECVTPT. At the RECVTPT prompt, enter the value. ***Note:*** To change the value of the RECVTPT parameter, the LTID must be detached from the LEN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
BODTC	B-channel outgoing default throughput class (in bps) DN/CT parameter value is 75, 150, 300, 600, 1200, 2400, 4800, 9600, 19200, 48000, 56000, or 64000 default is 9600	SENDTPT	outgoing default throughput class assignment DN/channel type parameter value is 3 to 13, where 3 = 75, 4 = 150, 5 = 300, 6 = 600, 7 = 1200, 8 = 2400, 9 = 4800, 10 = 9600, 11 = 19200, 12 = 48000, 13 = 64000 default is 13 (64000)	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter SENDTPT. At the SENDTPT prompt, enter the value. ***Note:*** To change the value of the SENDTPT parameter, the LTID must be detached from the LEN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
DIDTC	D-channel incoming default throughput class (in bps) DN/CT parameter value is 75, 150, 300, 600, 1200, 2400, 4800, 9600, 19200, 48000, 56000, or 64000 default is 9600	RECVTPT	incoming default throughput class assignment DN/channel type parameter value is 3 to 10, where 3 = 75, 4 = 150, 5 = 300, 6 = 600, 7 = 1200, 8 = 2400, 9 = 4800, 10 = 9600 default is 10 (9600)	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter RECVTPT. At the RECVTPT prompt, enter the value. ***Note:*** To change the value of the RECVTPT parameter, the LTID must be detached from the LEN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
DODTC	D-channel outgoing default throughput class (in bps) DN/CT parameter value is 75, 150, 300, 600, 1200, 2400, 4800, 9600, 19200, 48000, 56000, or 64000 default is 9600	SENDTPT	outgoing default throughput class assignment DN/channel type parameter value is 3 to 10, where 3 = 75, 4 = 150, 5 = 300, 6 = 600, 7 = 1200, 8 = 2400, 9 = 4800, 10 = 9600 default is 10 (9600)	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter SENDTPT. At the SENDTPT prompt, enter the value. ***Note:*** To change the value of the SENDTPT parameter, the LTID must be detached from the LEN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
IDTC	incoming default throughput class (in bps) PVC parameter value is 75, 150, 300, 600, 1200, 2400, 4800, 9600, 19200, 48000, 56000, or 64000 default is 9600	MRECVTPT	master end receive throughput class PVC parameter value is 3 to 10 if one of the endpoints is LAPD X.25, or 3 to 13 if both endpoints are either LAPB X.25 or X.75, where 3 = 75, 4 = 150, 5 = 300, 6 = 600, 7 = 1200, 8 = 2400, 9 = 4800, 10 = 9600, 11 = 19200, 12 = 48000, 13 = 64000 default is 10 (9600)	Use the ADDPH or CHAPH command in SERVORD. At the ADD/CHA_OPTION prompt, enter PVC. When SERVORD prompts for a PVC_PARM, enter MRECVTPT. At the MRECVTPT prompt, enter the value. ***Note:*** To add or change PVC parameters, the LTID must be detached from the LEN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
ODTC	outgoing default throughput class PVC parameter value is 75, 150, 300, 600, 1200, 2400, 4800, 9600, 19200, 48000, 56000, or 64000 default is 9600	MSENDTPT	master end send throughput class PVC parameter value is 3 to 10 if one of the endpoints is LAPD X.25, or 3 to 13 if both endpoints are either LAPB X.25 or X.75, where 3 = 75, 4 = 150, 5 = 300, 6 = 600, 7 = 1200, 8 = 2400, 9 = 4800, 10 = 9600, 11 = 19200, 12 = 48000, 13 = 64000 default is 10 (9600)	Use the ADDPH or CHAPH command in SERVORD. At the ADD/CHA_OPTION prompt, enter PVC. When SERVORD prompts for a PVC_PARM, enter MSENDTPT. At the MSENDTPT prompt, enter the value. ***Note:*** To add or change PVC parameters, the LTID must be detached from the LEN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
BIMPS	B-channel incoming maximum packet size DN/CT parameter value is 16, 32, 64, 128, 256, 512, 1024, 2048, or 4096 default is 128	RECVPKT	incoming maximum packet size DN/channel type parameter value is16, 32, 64, 128, or 256 default is 128	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter RECVPKT. At the RECVPKT prompt, enter the value. ***Note:*** To change the value of the RECVPKT parameter, the LTID must be detached from the LEN.
BOMPS	B-channel outgoing maximum packet size DN/CT parameter value is 16, 32, 64, 128, 256, 512, 1024, 2048, or 4096 default is 128	SENDPKT	outgoing maximum packet size DN/channel type parameter value is 16, 32, 64, 128, or 256 default is 128	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter SENDPKT. At the SENDPKT prompt, enter the value. ***Note:*** To change the value of the SENDPKT parameter, the LTID must be detached from the LEN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
DIMPS	D-channel incoming maximum packet size DN/CT parameter value is 16, 32, 64, 128, 256, 512, 1024, 2048, or 4096 default is 128	RECVPKT	incoming maximum packet size DN/channel type parameter value is16, 32, 64, 128, or 256 default is 128	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter RECVPKT. At the RECVPKT prompt, enter the value. ***Note:*** To change the value of the RECVPKT parameter, the LTID must be detached from the LEN.
DOMPS	D-channel outgoing maximum packet size DN/CT parameter value is 16, 32, 64, 128, 256, 512, 1024, 2048, or 4096 default is 128	SENDPKT	outgoing maximum packet size DN/channel type parameter value is 16, 32, 64, 128, or 256 default is 128	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter SENDPKT. At the SENDPKT prompt, enter the value. ***Note:*** To change the value of the SENDPKT parameter, the LTID must be detached from the LEN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
IMPS	incoming maximum packet size PVC parameter value is 16, 32, 64, 128, 256, 512, 1024, 2048, or 4096 default is 128	MRECVPKT	master end maximum receiving packet size PVC parameter value is 128 or 256 default is 128	Use the ADDPH or CHAPH command in SERVORD. At the ADD/CHA_OPTION prompt, enter PVC. When SERVORD prompts for a PVC_PARM, enter MRECVPKT. At the MRECVPKT prompt, enter the value. ***Note:*** To add or change PVC parameters, the LTID must be detached from the LEN.
OMPS	outgoing maximum packet size PVC parameter value is 16, 32, 64, 128, 256, 512, 1024, 2048, or 4096 default is 128	MSENDPKT	master end maximum sending packet size PVC parameter value is 128 or 256 default is 128	Use the ADDPH or CHAPH command in SERVORD. At the ADD/CHA_OPTION prompt, enter PVC. When SERVORD prompts for a PVC_PARM, enter MSENDPKT. At the MSENDPKT prompt, enter the value. ***Note:*** To add or change PVC parameters, the LTID must be detached from the LEN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
IWS	incoming window size DN/CT parameter or PVC parameter value is 1 to 127 default is 2	RXWDW	incoming packet layer window size DN/channel type parameter value is 1 to 7 for MOD8, or 1 to 127 for MOD128 default is 2	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter RXWDW. At the RXWDW prompt, enter the value. ***Note:*** To change the value of the RXWDW parameter, the LTID must be detached from the LEN.
		MRECVWDW	master end receive window size PVC parameter value is 1 to 7 default is 2	Use the ADDPH or CHAPH command in SERVORD. At the ADD/CHA_OPTION prompt, enter PVC. When SERVORD prompts for a PVC_PARM, enter MRECVWDW. At the MRECVWDW prompt, enter the value. ***Note:*** To add or change PVC parameters, the LTID must be detached from the LEN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
OWS	outgoing window size DN/CT parameter or PVC parameter value is 1 to 127 default is 2	TXWDW	outgoing packet layer window size DN/channel type parameter value is 1 to 7 for MOD8, or 1 to 127 for MOD128 default is 2	Use the CHAPH command in SERVORD. At the CHA_OPTION prompt, enter DNA. When SERVORD prompts for a DNA_PARM, enter TXWDW. At the TXWDW prompt, enter the value. ***Note:*** To change the value of the TXWDW parameter, the LTID must be detached from the LEN.
		MSENDWDW	master end sending window size PVC parameter value is 1 to 7 default is 2	Use the ADDPH or CHAPH command in SERVORD. At the ADD/CHA_OPTION prompt, enter PVC. When SERVORD prompts for a PVC_PARM, enter MSENDWDW. At the MSENDWDW prompt, enter the value. ***Note:*** To add or change PVC parameters, the LTID must be detached from the LEN.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
FCPN	flow control parameter negotiation DN/CT parameter value is Y or N default is N (not allowed)	WDWNEG	flow control parameter negotiation DN/CT parameter value is Y or N default is N (not allowed)	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM or LAPD_PARM, enter WDWNEG. At the WDWNEG prompt, enter the value. Enter Y to allow window size negotiation. Both WDWNEG and PKTNEG (see below) must be set to Y to allow FCPN. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
		PKTNEG	flow control parameter negotiation DN/CT parameter value is Y or N default is N (not allowed)	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM or LAPD_PARM, enter PKTNEG. At the PKTNEG prompt, enter the value. Enter Y to allow packet size negotiation. Both WDWNEG and PKTNEG (see above) must be set to Y to allow FCPN. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
TCN	throughput class negotiation DN/CT parameter value is Y or N default is N (not allowed)	TPTNEG	throughput class negotiation DN/CT parameter value is Y or N default is N (not allowed)	Use the SETPH command in SERVORD. When SERVORD prompts for a LAPB_PARM or LAPD_PARM, enter TPTNEG. At the TPTNEG prompt, enter the value. ***Note:*** The LTID must be detached from the LEN before the SETPH command is allowed.
PLSQ	packet layer sequencing DN/CT parameter and PVC parameter value is MOD8 or MOD128 default is MOD8	PLSQ	packet level sequencing DN/channel type parameter value is MOD8 or MOD128 default is MOD8	Assign a PLSQ value to a DN/channel type in table DNCHNL using the table editor: field: PLSQ — enter: MOD8 or MOD128

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
INDEX	CUG index code CUG parameter value is 00 to 99 (basic format), or 0000 to 9999 (extended format) no default	CUGINDEX	CUG index number CUG parameter value is 0 to 99 no default	Use the ADDPH command in SERVORD. At the ADD_OPTION prompt, enter CUG. When SERVORD prompts for a CUGINDEX, enter the value.

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X.25 Supplementary Services (TR846) (continued)

Bellcore Keyword	Service	Northern Telecom Keyword	Service	Assignment
INTLOCK	interlock code which identifies the CUG CUG parameter value is 0000 to 9999 followed by a dash and an integer from 0 to 65535 no default	CUGDNIC	data network identification code CUG parameter value is 0 to 9999 no default	Use the ADDPH or CHAPH command in SERVORD. At the ADD/CHA_OPTION prompt, enter CUG. When SERVORD prompts for a CUG_PARM, enter CUGDNIC. At the CUGDNIC prompt, enter the value.
		CUGNUM	interlock code CUG parameter value is 0 to 65535 no default	Use the ADDPH or CHAPH command in SERVORD. At the ADD/CHA_OPTION prompt, enter CUG. When SERVORD prompts for a CUG_PARM, enter CUGNUM. At the CUGNUM prompt, enter the value.
-end-				

List of terms

2B1Q

Two binary one quaternary. The interface standard for ISDN basic rate interface (BRI) transmission between the network and the network termination 1 (NT1) as defined by the American National Standards Institute (ANSI).

access module (AM)

The unit that provides access to the network modules (NM) of a digital packet network switching system from a local end user packet data line or the digital interworking unit (DIU).

access privilege (AP)

A term used to define bearer services for an ISDN logical terminal. Northern Telecom currently defines four APs: B (circuit-switched voice and data), D (low-speed packet data), PB (high-speed packet-switched data), and BD (circuit-switched voice and low-speed packed-switched data).

access termination (AT)

The functional term to describe the part of the exchange termination which terminates the access interfaces (BRI and PRI). It defines the access privileges of the terminals on an interface, and provides the terminals on an interface with access to ISDN circuit- and packet-switching services.

agent

See telephony agent.

AM

See access module (AM).

AMA

See automatic message accounting (AMA).

AP

See access privilege (AP).

Automatic message accounting (AMA)

An automatic recording system that documents all the necessary billing data of end user-defined long distance calls.

basic rate access functional set (BRAFS)

An ISDN set that uses functional signaling. The Meridian M5317T is the BRAFS for Northern Telecom. *See also* functional signaling.

basic rate access key set (BRAKS)

An ISDN set that uses stimulus signaling. The Meridian M2317T is the BRAKS for Northern Telecom. *See also* functional signaling, stimulus signaling.

basic rate interface (BRI)

A type of access to ISDN service provided by a set of time-division multiplexed digital channels of information, including two B-channels, one D-channel, and one or more maintenance channels, often described as 2B (channels) + D (channel). A BRI is typically used on lines between customer premises and a central office switch. Formerly known as basic rate interface (BRA).

BC

See bearer capability (BC).

B-channel

A 64-kbit/s digital bidirectional channel used by ISDN for carrying either circuit-switched voice or data, or packet-switched data.

Bb

A B sub-b channel. A 64-kbit/s channel carrying multiplexed B-channel data packets to the packet handler. *See also* B-channel.

Bd

A B sub-d channel. A DS-0 channel that carries low-speed, packet-switched data statistically multiplexed from up to 64 different sources. Bd is one of 24 channels on a DS-1 facility between the ET and the PH.

bearer capability (BC)

A characteristic associated with a directory number (DN) to indicate the type of call (voice or data) and the rate of transmission that is allowed. Bearer capability is also an information element that is carried in the setup message for functional signaling to indicate the type of call (voice or data) and the rate of transmission required (for ISDN). *See also* authorized call type, bearer services.

bearer services

Characteristic that is associated with a logical terminal (service profile) in functional signaling. It offers a pool of bearer capabilities to a logical terminal. Also called authorized call type.

Bell Communications Research (Bellcore)

A group responsible for coordinating Bell operating company projects and setting guidelines for a switching system.

Bellcore

See Bell Communications Research (Bellcore).

BIC

See bus interface card (BIC).

B-packet

Packet data that is transmitted over a B-channel.

BRAFS

See basic rate access functional signalling (BRAFS).

BRAKS

See basic rate access key set (BRAKS).

BRAMFT

basic rate access Meridian functional signalling (BRAMFT).

BRI

See basic rate interface (BRI).

bus interface card (BIC)

A hardware interface that connects two 32-channel digroups to a maximum of 64 line cards. This card is located in the drawer of the line concentrating module (LCM).

B-voice

A pulse code modulated voice signal carried on a B-channel.

calling line identification (CLI)

In data transmission, a feature provided by the network that allows a called terminal to be notified by the network of the address from which the call has originated. Screening of CLI is performed during call setup only.

call processing

The software that handles the processes involved in setting up connections through the DMS-100 Family network between calling and called parties.

call reference

This identifies the call on the local ISDN interface to which the message applies. Stimulus call control messages have dummy call references because the network controls the call. Functional call control messages are used by the ISDN terminal to distinguish between call appearances of the same directory number, and to selectively control a number of simultaneous calls (for example, an active call, calls on hold, calls waiting).

call type

See authorized call type *and* bearer services.

CCC

See central control complex (CCC).

CCITT

See Consultative Committee on International Telephony and Telegraphy (CCITT).

CCS7

See Common Channel Signaling 7 (CCS7).

central control complex (CCC)

The part of the DMS-100 Family switch that contains all the current control (CC) functions including the central message controller (CMC), CPU, program store (PS), and data store (DS).

central office (CO)

A switching office (SO) arranged for terminating end user lines and provided with switching equipment and trunks for establishing connections to and from other SOs. Also known as a local office.

CLI

See calling line identification (CLI).

Common Channel Signaling 7 (CCS7)

A digital message-based network signaling standard, defined by the CCITT, that separates call signaling information from voice channels so that interoffice signaling is exchanged over a separate signaling link.

CDTE

ISDN cabinetized digital trunk equipment

central side (C-side)

The side of a node that faces away from the peripheral modules (PM) and toward the central control (CC). Also known as control side. *See also* peripheral side (P-side).

channel supervision message (CSM)

A message received and transmitted continuously on each connected voice channel of a peripheral module. The CSM contains a connection data byte, which includes the channel supervision bit, and an integrity byte, which issues call path integrity.

circuit-switched network

Synonym for the telephone network.

CLGE

ISDN cabinetized line group equipment

CLMI

Cabinetized line module ISDN

CO

See central office (CO).

Consultative Committee on International Telephony and Telegraphy (CCITT)

The CCITT is one of the four permanent groups within the International Telecommunication Union (ITU). The CCITT is responsible for studying technical, operating, and tariff questions. This organization also prepares recommendations relating to telephony and telegraphy, including data and program services.

CPE

See customer premises equipment (CPE).

CS-data

Circuit-switched data carried on B-channel

C-side

See central side (C-side).

CSM

See channel supervision message (CSM).

customer premises equipment (CPE)

Equipment, such as ISDN terminals, that is located on the customer's premises.

data link layer

Layer 2 in the open systems interconnection (OSI) model that is used to create logical links between ISDN terminals and the services they access. The datalink layer provides error-free, sequenced messaging over a channel.

data network address (DNA)

A number that accesses a terminal on the packet-switched network.

data network identification code (DNIC)

For ISDN, a code that is used in packet switching to identify the network being addressed.

data packet network (DPN)

A packet-switched networking system that is manufactured by Northern Telecom.

data store (DS)

One of the two distinct elements of a DMS-100 memory, DS is part of the central control complex (CCC). It contains transient information for each call as well as customer data and office parameters. The other main element of a DMS-100 memory is program store (PS). *See also* program store (PS), protected store (PROT).

D-call control

Call control information that is carried on the D-channel and used to establish, maintain, or clear a voice or circuit-switched data call on a B-channel of an ISDN.

DCC

See digroup control card (DCC).

DCH

See D-channel handler (DCH).

D-channel

For BRI, the D-channel is a 16 kbit/s, bi-directional channel. A D-channel carries call control messages between a terminal on an ISDN interface and the exchange termination. These call control messages are used to set up, maintain, or clear a circuit-switched call on a B-channel. The D-channel also carries low-speed packet data between a terminal on an ISDN interface and a terminal in the packet data network. For PRI, the D-channel is a 64 kbit/s, bi-directional channel. *See also* Bd channel, BRI, PRI.

D-channel handler (DCH)

A card in an ISDN line group controller (LGCI) or in an ISDN line trunk controller (LTCI) that provides the primary interface to all D-channels. The DCH also performs Q.921 LAPD layer 2 processing. The DCH is assigned to an ISDN loop and receives or sends messages on the signaling/packet data channel.

digital interworking unit (DIU)

The unit in a digital packet network switch that converts B-channel and D-channel data packets received in a DS-1 format from the ISDN access controller to a VR-35 format that is suitable for the access module. For packets being sent in the opposite direction, the DIU performs the reverse conversion.

digroup control card (DCC)

A circuit that makes up part of the line concentrating module (LCM) unit control complex. DCC provides eight DS30A ports for connection to the network in the host LCM or to the host interface equipment (HIE) shelf in the remote line concentrating module (RLCM).

direct memory access (DMA)

A device for moving blocks of continuous data to and from memory at a high rate.

directory number (DN)

The full complement of digits required to designate a end user's station within one numbering plan area (NPA)-usually a three-digit central office code followed by a four-digit station number.

DIU

See digital interworking unit (DIU).

DMA

See direct memory access (DMA).

DMS PH

DMS packet handler

DN

See directory number (DN).

DNA

See data network address (DNA).

DNIC

See data network identification code (DNIC).

D-packet

Packet data carried on the D-channel between the packet handler and an ISDN terminal.

DPN

See data packet network (DPN).

DS

See data store (DS).

DS-0

A protocol for data transmission that is used to represent one channel in a 24-channel DS-1 trunk.

DS-1

A closely specified bipolar pulse stream with a bit rate of 1.544 Mbit/s. It is the standard signal used to interconnect Northern Telecom digital systems. The DS-1 signal carries 24 DS-0 information channels of 64 kbit/s each.

DS30 link

1. A 10-bit, 32-channel, 2.048-Mbit/s speech-signaling and message-signaling link as used in the DMS-100 Family. 2. The protocol by which DS30 links communicate.

DS30A link

A 32-channel transmission link between the line concentrating module and controllers in the DMS-100 Family. DS30A is similar to DS30, though intended for use over shorter distances.

DTCI

See ISDN digital trunk controller (DTCI).

DTCOi

See ISDN digital trunk controller offshore (DTCOi).

DTEI

See ISDN digital trunk equipment frame (DTEI).

E.164

The public network numbering plan in accordance with CCITT Recommendation E.164.

EAEO

See equal access end office.

EISP

See enhanced ISDN signaling preprocessor (EISP).

EKTS

See electronic key telephone service (EKTS).

electronic key telephone service (EKTS)

A set of services for ISDN voice terminals on a basic rate interface. EKTS provides shared directory numbers (DN), multiple DNs for each service profile, and conference and intercom calling.

end office (EO)

A switching office (SO) arranged for terminating end user lines and provided with trunks for establishing connections to and from other SOs. *See also* central office (CO).

enhanced ISDN signaling preprocessor (EISP)

Provides call control messaging and D-channel handler maintenance functions, similar to the ISP, but with memory upgrade from 1 Mbyte to 4 Mbyte, clock speed upgrade from 16 MHz to 20 MHz, and data bus upgrade from a 16 bit width to 32 bits.

enhanced line concentrating module (LCME)

A dual-unit peripheral module that terminates ISDN 2B1Q U-type lines, ISDN S/T-type lines, plain ordinary telephone service (POTS), electronic business sets (EBS), and Datapath lines. LCME also provides access to the ISDN B-, D-, and M-channels. The LCME supports 480 POTS, EBS, or ISDN U- lines, or 240 Datapath or S/T- lines.

enhanced service provider (ESP)

A third-party vendor that supplies value-added services to the end user.

enhanced services test unit (ESTU)

A stand-alone test unit that performs metallic and digital line tests at remote or host sites for ISDN services.

EO

See end office (EO).

equal access end office

A central office that provides access to several long distance carriers.

ESP

See enhanced service provider (ESP).

ESTU

See enhanced services test unit (ESTU).

ET

See exchange termination (ET).

ETSI

European Telecommunications Standards Institute

exchange termination (ET)

The functional name for the component of the ISDN that serves as the access termination for BRI and PRI interfaces, and provides circuit-switched services to the ISDN switch.

F-bus

See frame transport bus.

feature indicator (FI)

A device that indicates the state or condition of a call when using a supplementary service on an ISDN stimulus terminal with circuit-switched service.

FI

See feature indicator (FI).

foreign exchange (FX)

A service that allows a telephone or a PBX to be served by a distant central office (CO), rather than by the CO in the immediate geographical area.

frame transport bus (F-bus)

An eight-bit bus that provides data communications between a local message switch (LMS) and the link interface units that are provisioned in a link peripheral processor (LPP). To ensure readability, two load-sharing F-buses are provided in an LPP. Each F-bus is dedicated to one of the two LMSs. *See also* link interface module.

functional signaling

An intelligent terminal in which call control functions are shared between the switch and the terminal.

FX

See foreign exchange (FX).

HFP

HDLC frame processor

HIE

See host interface equipment (HIE).

high-level data link control

The channel by which high-level control messages from the central control are carried between the digital carrier module and remote line modules.

host interface equipment (HIE) shelf

In the remote line concentrating module (RLCM) frame, this shelf provides interface circuits between the host office and the RLCM.

IBERT

See integrated bit error rate test (IBERT).

IEC

Inter-exchange carrier

initial program load (IPL)

The initialization procedure that causes a computer operating system to start operation.

integrated bit error rate test (IBERT)

A test that a MAP operator uses with an IBERT card to test the transmission quality of a selected data line. The card resides in the line drawer of a line concentrating module and generates the bit stream for an IBERT.

integrated services access (ISA)

Uses call setup messages and dialed digits to permit access to public and private network services through one bidirectional common access facility. ISA provides the capability to support multiple call types (such as PUBLIC, PRIVATE, OUTWATS, INWATS, FX, and TIE) on a single trunk.

integrated services digital network (ISDN)

A set of standards proposed by the CCITT to establish compatibility between the telephone network and various data terminals and devices. ISDN is a communications network that provides access to voice, data, and imaging services from a single type of connector.

inter-LATA

Telecommunications services, revenues, and functions that originate in one local access and transport area (LATA) and terminate either outside that LATA or inside another LATA.

International Standards Organization (ISO)

The organization responsible for creating a seven-layer protocol model for a data communications network.

intra-LATA

Telecommunication services, revenues, and functions that originate in one local access and transport area (LATA) and terminate either outside that LATA or inside another LATA.

IPL

See initial program load.

ISA

See integrated services access (ISA).

ISDN

See integrated services digital network (ISDN).

ISDN access controller

A frame used to support ISDN access between a DMS and voice and packet services.

ISDN digital trunk controller (DTCI)

A dual-unit peripheral module that provides access for ISDN primary rate interface to a digital private branch exchange (PBX). The DTCI provides call control for PRI functional signaling, and performs functions similar to the LGC, including D-channel handling and processing, and maintenance and diagnostics.

ISDN digital trunk controller offshore (DTCOi)

A peripheral module (PM) that connects DS30 links from the network with digital trunk circuits with ISDN.

ISDN digital trunk equipment (DTEI) frame

A frame containing up to two dual-shelf ISDN digital trunk controllers.

ISDN line

The physical part of a basic rate interface (BRI) that connects the terminals to the network termination (NT1).

ISDN line concentrating array (LCAI)

A shelf in the ISDN line concentrating module (LCME). It contains four physical line drawers. The LCME consists of two line concentrating arrays, which operate in a load sharing mode with mutual takeover capability.

ISDN line concentrating equipment (LCEI)

A single-bay equipment frame containing two LCMEs.

ISDN line group controller (LGCI)

A peripheral module that connects DS30 links from the network.

ISDN line trunk controller (LTCI)

A peripheral module that is a combination of the line group controller and the digital trunk controller, and provides all of the services offered by both.

ISDN service group (ISG)

Defines the services that a D-channel handler (DCH) provides and their allocation to the channels within the DCH. ISG allows hardware-independent access to service-related functions at the MAP. The ISG MAP level provides a view of the services and the DCH MAP level provides a view of the hardware.

ISDN signaling preprocessor (ISP)

Provides call control messaging and D-channel handler maintenance functions.

ISDN switch

A DMS switch configured to provide ISDN services. Its main functional components are the exchange termination and the packet handler.

ISDN terminal

A digital telephone or personal computer that is connected to a customer premises loop which forms part of a BRI.

ISDN U-line card (U-ISLC)

An ISDN line card which terminates the U-loop in the enhanced line concentration module (LCME). When a U-ISLC is used, the network termination 1 (NT1) situated on customer premises acts as the network termination. Synonymous with ISLC and U-line card.

ISDN user part (ISUP)

A CCS7 message-based signaling protocol which acts as a transport carrier for ISDN services. The ISUP provides the functionality within a CCS7 network for voice and data services.

ISG

See ISDN service group (ISG).

ISLC

See ISDN U-line card (ISLC).

ISO

See International Standards Organization (ISO).

ISP

See ISDN signaling preprocessor (ISP).

ISUP

See ISDN user part (ISUP).

kbit/s

See kilobits per second (kbit/s).

kilobits per second (kbit/s)

A bit rate expressed in thousands of bits per second.

LAPB

See link access procedure balanced (LAPB).

LAPD

See link access procedure on the D-channel (LAPD).

LATA

See local access and transport area (LATA).

L-bus

A bi-directional link that acts as the interface between the bus interface card and the line card in an enhanced line concentrating module (LCME).

LC

See line circuit (LC).

LCAI

See ISDN line concentrating array (LCAI).

LCC

See Line Class Code (LCC).

LCEI

See ISDN line concentrating equipment (LCEI).

LCM

See line concentrating module (LCM).

LCME

See enhanced line concentrating module (LCME).

LD

See line drawer (LD).

LEN

See line equipment number (LEN).

LGC

See line group controller (LGC).

LGCI

See ISDN line group controller (LGCI).

LIM

See link interface module.

line circuit (LC)

A hardware device that provides an interface between end user lines and the digital switch. Each end user line has a dedicated line circuit. *See also* line drawer (LD).

Line Class Code (LCC)

An alphanumeric code that identifies the class of service assigned to a line.

line concentrating module (LCM)

A peripheral module which interfaces the line trunk controller or line group controller and up to 640 end user lines, using two to six DS30A links.

line drawer (LD)

A hardware entity located in the LCME that contains line circuit cards.

line equipment number (LEN)

A seven-digit function-reference used to identify line circuits.

line group controller (LGC)

A peripheral module that connects DS30 links from the network to the LCME.

line trunk controller (LTC)

A peripheral module that is a combination of the line group controller and the digital trunk controller, and provides all the services offered by both.

link access procedure balanced (LAPB)

ISDN access protocol that is used with links established on a B-channel. LAPB supports a single data link that operates with a fixed, single-byte address convention between the ISDN terminal and the network.

link access procedure on the D-channel (LAPD)

ISDN access protocol that is used with links established on a D-channel.

link interface module (LIM)

A peripheral module that controls messaging between link interface units (LIU) in a link peripheral processor (LPP). The LIM also controls messages between the LPP and the DMS-bus. An LIM consists of two local message switches (LMS) and two frame transport buses (F-bus). One LMS normally operates in a load sharing mode with the other LMS. This ensures LIM reliability in the event of an LMS failure because each LMS has adequate capacity to carry the full message load of an LPP. Each LMS uses a dedicated F-bus to communicate with the LIUs in the LPP.

link interface unit (LIU)

A peripheral module that processes messages entering and leaving a link peripheral processor through an individual signaling data link. *See also* CCS7 link interface unit 7.

link peripheral processor (LPP)

The DMS SuperNode equipment frame for DMS-STP that contains two types of peripheral modules: an LIM and an LIU. For DMS-STP applications, CCS7 link interface units 7 (LIU7) are used in the LPP. *See also* link interface module.

LIU

See link interface unit (LIU).

local access and transport area (LATA)

A geographic area within which an operating company may offer telecommunications-related services. *See also* inter-LATA and intra-LATA.

logical terminal (LT)

The datafilled instance of an abstract terminal that is provided with a subset of the features and services (service profile) datafilled in the access termination for the abstract terminal.

logical terminal identifier (LTID)

The unique identifier that is assigned to a logical terminal when it is datafilled in the ISDN access termination.

LPP

See link peripheral processor (LPP).

LTC

See line trunk controller (LTC).

LTCI

See ISDN line trunk controller (LTCI).

LTID

See logical terminal identifier (LTID).

maintenance trunk module (MTM)

In a trunk module equipment (TME) frame, a peripheral module (PM) that is equipped with test and service circuit cards and contains special buses to accommodate test cards for maintenance. The MTM provides an interface between the DMS-100 Family digital network and the test and service circuits.

MAP

The maintenance and administration position. MAP is a group of components that provides a user interface between operating company personnel and the DMS-100 Family systems. A MAP consists of a visual display unit and keyboard, a voice communications module, test facilities, and MAP furniture. MAP is a trademark of Northern Telecom.

Mbit/s

See megabits per second (Mbit/s).

M-channel

A 16-kbit/s, bi-directional, U-loop channel used to transfer maintenance information between the NT1 and the exchange termination.

megabits per second (Mbit/s)

Expresses the rate of transmission of serial data bits in a time-division multiplexed frame format.

MTM

See maintenance trunk module (MTM).

NAS

See network administration system (NAS).

network administration system (NAS)

A stand-alone computer that is involved in operation, administration, and maintenance for integrated services digital network (ISDN) services. The NAS uses data on service and system operation to generate files that contain information on alarms, accounting, billing, and network operation.

network interface unit

A DMS SuperNode application specific unit (ASU) that provides channelized access for F-bus resident link interface units (LIU) using a channel bus (C-bus). The NIU resides in a link peripheral processor (LPP) frame.

network layer

Layer 3 in the OSI model. In ISDN, the network layer is used to send call control messages.

network modules (NM)

The basic building block of the DMS-100 Family switches. The NM accepts incoming calls and uses connection instructions from the central control complex (CCC) to connect the incoming calls to the appropriate outgoing channels. Network module controllers control the activities in the NM.

network termination 1 (NT1)

Access point for basic rate interface to ISDN. This component is situated on customer premises and is typically located between the terminals and the exchange termination. An NT1 is required when ISDN lines are terminated by U-line cards.

NIU

See network interface unit.

NT1

See network termination 1 (NT1).

NTP

Northern Telecom Practice

open system interconnection (OSI)

A 7-layer protocol model for communications networks developed by the International Standards Organization and adopted by the Consultative Committee on International Telephony and Telegraphy (CCITT) for an Integrated Services Digital Network (ISDN).

OSI

See open system interconnection (OSI).

packet handler (PH)

The CCITT term for the component of an ISDN switch that provides packet switching services.

PCM

See pulse code modulation (PCM).

PCM30 digital trunk controller (PDTC)

A digital trunk interface that has the hardware configuration of an international digital trunk controller (IDTC) but runs the software of a digital trunk controller (DTC).

PCM30

A 32-channel 2.048-Mbit/s speech-signaling and message-signaling link used in international trunks.

PDTC

See PCM30 digital trunk controller (PDTC).

peripheral module (PM)

A generic term referring to all hardware modules of DMS-100 Family systems that provide interfaces with external line, trunk, or service facilities. A PM contains peripheral processors, which perform local routines, thus relieving the load on the central processing unit.

peripheral side (P-side)

The side of a node facing away from the central control and towards the peripheral modules. *See also* central side (C-side).

permanent virtual circuit (PVC)

A continuously available virtual path between remote applications and DMS applications. The PVC eliminates the need to establish a circuit on an each call basis.

per trunk signaling (PTS)

Conventional telephony method, which multiplexes a call's control signals with voice or data over the same trunk.

PH

See packet handler (PH).

PM

See peripheral module (PM).

point-of-use power supply (PUPS)

The type of power supply used for an enhanced line concentrating module (LCME). It provides 5V power supply for ISDN line cards. There is one PUPs for each line drawer.

PPSN

See public packet-switched network (PPSN).

PRI

See primary rate interface (PRI).

primary rate interface (PRI)

An interface that carries nB+D channels over a PCM30 digital facility (generally 30B+D for ETSI PRI). PRI is used to link private networking facilities, such as private branch exchanges (PBX), local area networks (LAN), and host computers with a standardized architecture acting as the bridge between private switching equipment and the public network. Formerly known as primary rate access (PRA).

product engineering code

An 8-character code that provides a unique identification for each marketable product manufactured by Northern Telecom.

program store (PS)

In a DMS-100 switch, programmed instructions for the various procedures required to perform processing, administration, and maintenance. Program store is one of the two distinct elements of a DMS-100 memory. The other main element is data store. See also data store (DS), protected store (PROT).

PROT

See protected store (PROT).

protected store (PROT)

In a DMS-100 switch, store type (program or data) that must be explicitly unprotected before any write operation and protected again afterward. This type of store remains allocated and its contents remain intact over all restarts except initial program load (IPL). Protected store is used to hold the office database and translation data equipment configurations. *See also* data store (DS), program store (PS).

PS

See program store (PS).

PSDS

See public switched data service (PSDS).

P-side

See peripheral side (P-side).

PTS

See per trunk signaling (PTS).

public packet switched network (PPSN)

Any common carrier network designed to carry data in the form of packets between public users.

public switched data service (PSDS)

Any common carrier network designed to switch data, not necessarily in packet form, between public users.

pulse code modulation (PCM)

Representation of an analog waveform by coding and quantizing periodic samples of the signal, so that each element of information consists of a binary number representing the value of the sample.

PUPS

See point-of-use power supply (PUPS).

PVC

See permanent virtual circuit (PVC).

Q.921

The CCITT recommendation that defines protocols at the datalink layer.

Q.931

The CCITT recommendation that defines protocols for circuit-switched call control at the network layer.

remote line concentrating module (RLCM)

An equipment frame that provides an interface between two to six DS-1 links (from the line group controller LGC) at the host office) and up to 640 end user lines (connected locally). An RLCM is equipped with one line concentrating module (LCM), a remote maintenance module (RMM), and a host interface equipment (HIE) shelf.

remote maintenance module (RMM)

A peripheral module (PM) with a configuration similar to that of the maintenance trunk module (MTM). An RMM accommodates up to 12 service and test cards.

RLCM

See remote line concentrating module (RLCM).

RMM

See remote maintenance module (RMM).

SAPI

See service access point identifier (SAPI).

service access point identifier (SAPI)

Identifier that is used by datalink layer (layer 2) protocol to define the type of service allowed to an ISDN terminal.

signaling processor (SP)

The interface between a master processor and the control circuits in the line-side of a line module. Through the SP, the line circuits, ringing multiplexers, programmable ringing generators, and the activity circuit are controlled, and their status reported.

SO

See switching office (SO).

SP

See signaling processor (SP).

S/T bus

An eight-wire bus (of which only four wires are used to transmit and receive messages) that connects terminals to the NT1 for access to the ISDN. Also known as an S/T-interface and an S/T-loop. Formerly known as a T-bus.

stimulus signaling

For ISDN call control, stimulus signaling mode messages for call control are sent by the terminal to the network as a direct result of actions by the terminal user. Terminals that use stimulus signaling have little local intelligence and are driven by the network. These terminals do not keep records of call states. *See also* functional signaling.

S/T-interface

CCITT name for the S/T-bus.

S/T-line card

An ISDN line card that terminates the S/T-bus in the LCME. When S/T-line cards are used, the U-interface and the NT1 are not required. The exchange termination acts as a network termination. *See also* U-line card.

switching office (SO)

A node in the Common Channel Signaling 7 (CCS7) network that originates and terminates signaling messages related to the set up and take down of associated ISDN user part (ISUP) trunks.

TA

See terminal adapter (TA).

telephony agent

Any kind of line, trunk, or special service circuit that performs a telephony function. *See also* agent.

terminal adapter

A device with associated software that allows a personal computer to connect to a Northern Telecom ISDN.

TME

See trunk module equipment (TME) frame.

trunk module equipment (TME) frame

A frame containing one or more trunk modules (TM), maintenance trunk modules (MTM), or office alarm units (OAU).

U-interface

The CCITT term for a U-loop. *See also* U-loop.

U-line card

ISDN line card that terminates the U-loop in the LCME. When U-line cards are used, the NT1, situated on customer premises, acts as the network termination.

U-loop

The portion of a BRI that connects an NT1 to an ISDN line concentrating module or an enhanced line concentrating module (LCME). *See also* U-interface.

unified processor (UP)

A processor that replaces the master processor (MP), signaling processor (SP), and the memory cards associated with these processors.

universal terminal adapter (UTA)

A device with associated software that allows non-ISDN devices such as personal computers to connect to a Northern Telecom ISDN line.

UP

See unified processor.

VC

See virtual circuit.

virtual circuit

In packet switching, a network facility used for transferring data between those data stations emulating physically-connected stations.

X.31

CCITT recommendation for support of terminal equipment by ISDN

X.121

CCITT standard for data network address

XMS-based peripheral module (XPM)

The generic name for peripheral modules (PM) that use the Motorola 68000 microprocessor. An XPM has two processors in a hot-standby configuration: a master processor (MP) and a signaling processor (SP).

XPM

See XMS-based peripheral module (XPM).

XPM Plus

XMS-based peripheral module that uses enhanced hardware and software

DMS-100 Family

ISDN

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Northern Telecom
P.O. Box 13010
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