Generic ISDN Ordering Codes

Including current information from:

- North American ISDN Users' Forum ISDN Capability Packages
- Vendors' ISDN Association EZ-ISDN packages

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Introduction

The following table shows the basic configuration of each of the ISDN Ordering codes currently in use. Note that IOC "U" and "V" are also recognized as the new "EZ ISDN" Ordering Codes. Currently, there are two more "EZ ISDN" codes pending approval.

Definitions for each ordering code follow the chart. You can jump right to a definition from the index of hot links below. Click on one of the letters to jump directly to a specific definition.

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Key to information in this table:

▬	=	*Not Applicable to this item*
V	=	*Circuit Switched Voice Service*
D	=	*Circuit Switched Data Service*
P	=	*Packet Mode Data Service*
CA	=	*Call Appearance, switch controlled call appearance*
DN	=	*Directory Number, terminal controlled call appearance*
CACH / EKTS	=	*Call Appearance Call Handling / Electronic Key Telephone Service*
ACO	=	*Additional Call Offering (ISDN version of call waiting)*
ANI	=	*Automatic Number Identification (aka Caller ID)*

Table of ISDN Ordering Codes

Capability Package	Channel			ANI	CACH EKTS	ACO	# DN's	# CA's
	B1	B2	D					
A	-	-	P	-	-	-	1	-
B	D	-	-	yes	-	-	1	-
C	V/D	-	-	yes	-	-	1	-
D	V	-	P	-	-	-	1	-
E	V	-	P	yes	-	yes	1	-
F	V	-	P	yes	yes	-	1	3
G	V	D	-	yes	-	yes	1	-
H	V	D	-	yes	yes	-	1	3
I	D	D	-	yes	-	-	1	-
J	D	V/D	-	yes	-	-	1	-
K	D	V/D	-	yes	-	yes	1	-
L	D	V/D	-	yes	yes	-	2	3
M	V/D	V/D	-	yes	-	-	2	-
N	D	V/D	P	yes	-	yes	1	-
O	D	V/D	P	yes	yes	-	2	3
P	V/D	V/D	P	yes	-	yes	2	-
Q	V/D	V/D	P	yes	yes	-	2	3
R	D	D	-	yes	-	-	2	-
S	V/D	V/D	-	yes	-	-	2	-
T	V	V	P	-	-	-	3	-
EZ-ISDN 1 (aka U)	V/D	V/D	-	yes	yes	yes	2	-
EZ-ISDN 1a (aka V)	V/D	V/D	-	yes	yes	yes	2	-

Note: *aka = also known as*

ISDN Ordering Codes - Definition's

Capability A (0B + D) includes basic packet-switched data on the D channel. No voice or data services are provided.

Capability B (1B) includes circuit-switched data on one B channel. Data capabilities include Calling Number Identification. No voice capabilities are provided

Capability C (1B) includes alternating circuit-switched voice and circuit-switched data on one B channel. Voice and data capabilities include Calling Number Identification.

Capability D (1B + D) includes circuit-switched voice on one B channel and basic packet-switched data on the D channel. Basic voice capabilities only are provided with no features.

Capability E (1B + D) includes circuit-switched voice on one B channel and basic packet-switched data on the D channel. This package provides non-EKTS voice features including Flexible Calling, Additional Call Offering, and Calling Number Identification.

Capability F (1B+D) includes circuit-switched voice on one B channel and basic packet-switched data on the D channel. Call Appearance Call Handling (CACH) EKTS is used for the voice service.

Capability G (2B) includes circuit-switched voice on one B channel and circuit-switched data on the other B channel. This package provides non-EKTS voice features including Flexible Calling, Additional Call Offering, and Calling Number Identification. Data capabilities include Calling Number Identification.

Capability H (2B) includes circuit-switched voice on one B channel and circuit-switched data on the other B channel. Call Appearance Call Handling (CACH) EKTS is used for the voice service. Data capabilities include Calling Number Identification.

Capability I (2B) includes circuit-switched data on both B channels. Data capabilities include Calling Number Identification. No voice capabilities are provided.

Capability J (2B) includes alternating circuit-switched voice and circuit-switched data on one B channel and circuit-switched data on the other B channel. Only basic voice capabilities are provided, with no features except Calling Number Identification. Data capabilities include Calling Number Identification.

Capability K (2B) includes alternating circuit-switched voice/circuit-switched data on one B channel and circuit-switched data on the other B channel. This package provides non-EKTS voice features including Flexible Calling, Additional Call Offering, and Calling Number identification. Data capabilities include Calling Number Identification.

Capability L (2B) includes alternating circuit-switched voice and circuit-switched data on one B channel and circuit-switched data on the other B channel. Call Appearance Call Handling (CACH) EKTS is used for the voice service. Data capabilities include Calling Number I.D.

Capability M (2B) includes alternating circuit-switched voice and circuit-switched data on both B channels. Data and voice capabilities include Calling Number Identification.

Capability N (2B + D) includes alternating circuit-switched voice and circuit-switched data on one B channel, with circuit-switched data on the other B channel. Basic packet-switched data is provided on the D channel. This package provides non-EKTS voice features including Flexible Calling, Additional Call Offering, and Calling Number Identification. Data capabilities include Calling Number Identification.

Capability O (2B + D) includes alternating circuit-switched voice and circuit-switched data on one B channel, with circuit-switched data on the other B channel. Basic packet-switched data is provided on the D channel. Call Appearance Call Handling (CACH) EKTS is used for the voice service. Data capabilities include Calling Number Identification.

Capability P (2B + D) includes alternating circuit-switched voice and circuit-switched data on both B channels and basic packet-switched data on the D channel. This package provides non-EKTS voice features including Flexible Calling, Additional Call Offering, and Calling Number Identification. Data capabilities include Calling Number Identification.

Capability Q (2B + D) includes alternating circuit-switched voice and circuit-switched data on both B channels and basic packet-switched data on the D channel. Call Appearance Call Handling (CACH) EKTS is used for the voice service. Data capabilities include Calling Number Identification.

Capability R (2B) includes circuit-switched data on both B channels. Data capabilities include Calling Number Identification. No voice capabilities are provided.

Capability S (2B) includes alternating circuit-switched voice and circuit-switched data on both B channels. Data and voice capabilities include Calling Number Identification.

Capability T (2B + D) Capability package T includes voice on both B channels and basic packet-switched data on the D channel. Only basic voice capabilities are provided, with no features

EZ ISDN 1 (also known as Capability U) (2B) includes alternating circuit-switched voice and circuit-switched data on both B channels. This package provides non-EKTS voice features including Flexible Calling, Call Forwarding Variable, Additional Call Offering, and Calling Number identification for voice and data, (which includes Redirecting Number Delivery).

EZ ISDN 1-a (also known as Capability V) (2B) includes alternating circuit-switched voice and circuit-switched data on both B channels. This package provides non-EKTS voice features including Flexible Calling, Advanced Call Forwarding (i.e., Call Forwarding Variable, Call Forwarding on Busy, Call Forwarding Don't Answer, and Message Waiting Indicator), Additional Call Offering, and Calling Number identification for voice and data, (which includes Redirecting Number Delivery).

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