

ISDN Ordering Codes

Overview

An **ISDN Ordering Code (IOC)** is intended to provide customers with an easy to communicate term with which to order a specific set of ISDN services and features from their local service provider. An IOC refers to and is defined by a specific set of National ISDN services and features. An IOC is associated with specific equipment or application(s), as well as the specific set of technical switch translations necessary to provide the appropriate ISDN interface to customers. When customers provide an IOC to the ISDN service provider, it is intended that service may be quickly and accurately provisioned, as the IOC provides in advance the technical switch translations for the services and features needed for the identified equipment/application.

IOC's are used by both Resale and UNE-Platform Services.

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Capability I (2B)—includes circuit-switched data on both B channels. No voice or packet 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 J2 (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. (Siemens: 2DNs/TSPs are assigned with this IOC) **

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 M (2B)—includes alternating circuit-switched voice and circuit-switched data on both B channels. Only basic Voice capabilities are provided, no features. **

Capability R (2B)—includes circuit-switched data on both B channels. Data and voice capabilities including Calling Number Identification are provided. **

Capability S (2B)—includes alternating circuit-switched voice and circuit-switched data on both B channels. Data and voice capabilities including Calling Number Identification are provided. **

****NOTE:** ISDN-BRI UNE-Platform Service, these ordering codes will be available in the initial offering.

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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 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 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 T (2B + D)—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).

Table of ISDN Ordering Codes

The following table shows the basic configuration of each of the ISDN Ordering Codes (IOC) that were approved by the National ISDN Users Forum (NUIF). Not all are currently in use.

Capability Package	Channel				CACH EKTS	ACO	# DN's	# CA's
	B1	B2	D	ANI				
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	-

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 Tel. Service

ACO = Additional Call Offering (ISDN version of call waiting)

ANI = Automatic Number Identification (ISDN version of Caller ID)

NOTE: AKA = also known as