ISDN Features Roadmap

This chapter contains a list of ISDN features (Cisco IOS Release 12.4 and earlier) and the location of feature documentation.

Use Cisco Feature Navigator to find information about platform support and Cisco IOS software image support. Access Cisco Feature Navigator at http://www.cisco.com/go/fn. You must have an account on Cisco.com. If you do not have an account or have forgotten your username or password, click **Cancel** at the login dialog box and follow the instructions that appear.

Release	Feature Name	Feature Description	Where Documented
12.4(9)T	Integrating Data and Voice Services for ISDN PRI Interfaces on Multiservice Access Routers	Enables data (dial-in, dial-on-demand routing [DDR], and DDR backup) and voice call traffic to occur simultaneously from the supported ISDN PRI interfaces. Enables multilevel precedence and preemption (MLPP) for DDR calls over the active voice call when no idle channel is available during the DDR call setup.	"Integrated Data and Voice Services for ISDN PRI Interfaces on Multiservice Access Routers" on page 117 of this guide.
12.3(8)T4	High-Density Analog (FXS/DID/FXO) and Digital (BRI) Extension Module for Voice/Fax (EVM-HD)	Provides eight Foreign Exchange Station (FXS) or direct inward dialing (DID) ports. This network module accesses digital signal processor (DSPs) modules on the motherboard, instead of using onboard DSPs.	"High-Density Analog (FXS/DID/FXO) and Digital (BRI) Extension Module for Voice/Fax (EVM-HD)" on page 93 of this guide.
12.3(11)T		Support was added for the Cisco 3800 series routers and the EM-HDA-3FXS/4FXO and EM-HDA-6FXO expansion modules to provide FXO capability.	
12.3(11)T2		The **groundstart auto-tip** command was added to the command-line interface. This command is not supported on the Cisco 1700 series platform.	
12.3(7)T	Signal ISDN B-Channel ID to Enable Application Control of Voice Gateway Trunks	Enables the H.323 gateway to access B-channel information for all H.323 calls.	*Cisco IOS H.323 Configuration Guide*

Release	Feature Name	Feature Description	Where Documented
12.2(15)T	Clear Channel T3/E3 with Integrated CSU/DSU	Delivers Clear Channel service as a T3/E3 pipe.	"Clear Channel T3/E3 with Integrated CSU/DSU" on page 71 of this guide
	Expanded Scope for Cause-Code-Initiated Call Establishment Retries	Enables a gateway to reattempt calls upon receipt of a disconnect message from the PSTN without maintaining extra dial peers.	"Expanded Scope for Cause-Code-Initiated Call-Establishment Retries" on page 65 of this guide
	Integrated Voice and Data WAN on T1/E1 Interfaces with the AIM-ATM-VOICE-30 Module	Provides a voice-processing termination solution at a density of 30 VoIP or VoFR voice or fax channels without consumption of a network-module slot.	"Integrated Voice and Data WAN on T1/E1 Interfaces" on page 157 of this guide
	ISDN Generic Transparency Descriptor (GTD) for Setup Message	Provides support for mapping ISDN information elements (IEs) to corresponding GTD parameters.	"ISDN GTD for Setup Message" on page 183 of this guide
	Support for IUA with SCTP for Cisco Access Servers	Supports ISDN user adaptation (IUA) with SCTP. Provides an alternative to existing IP-based UDP-to-Reliable Link Manager (RLM) transport between a Cisco PGW2200 and Cisco gateways.	"PRI Backhaul and IUA Support Using SCTP" on page 219 of this guide
12.2(11)T	Non-Facility Associated Signaling (NFAS) with D-Channel Backup feature	Allows a single D channel to control multiple ISDN PRI interfaces.	"NFAS with D-Channel Backup" on page 207 of this guide
	QSIG for Toolkit Command Language Interactive Voice Response (Tcl IVR) 2.0	Provides transparent Q.SIG interworking with a Tcl IVR 2.0 voice application on a Cisco gateway.	"QSIG Support for Tcl IVR 2.0" on page 277 of this guide
	T1 Channel-Associated Signaling (CAS) for VoIP	Adds support for T1 CAS and E1 R2 signaling with the voice feature card.	"Implementing T1 CAS for VoIP" on page 287 of this guide
12.2(8)T	Digital J1 Voice Interface Card	Provides the proper interface for directly connecting Cisco multiservice access routers to PBXs throughout Japan that use a J1 (2.048-Mbps TDM) interface.	"Digital J1 Voice Interface Card" on page 307 of this guide
12.1(1)T	PRI Backhaul Using Stream Control Transmission Protocol (SCTP) and the ISDN Q.921 User Adaptation Layer	Provides PRI/Q.921 signaling backhaul for call-agent applications using SCTP with the IDSN user adaptation (IUA) layer.	"PRI Backhaul and IUA Support Using SCTP" on page 219 of this guide
12.0(7)T	Fusion Call-Control Signaling (FCCS)—also known as NEC Fusion	Allows a voice network to integrate seamlessly into an IP network, enabling the addition of voice-networking capabilities to a LAN or WAN without major network restructuring.	"Implementing FCCS (NEC Fusion)" on page 299 of this guide