



About This Guide

This section discusses the objectives, audience, organization, and conventions of the *Cisco 90 Series Installation and Administration Guide*.

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Objectives

This guide provides detailed information for installing and configuring Cisco 90 Series products, including the Cisco 90i IDSL Channel Unit and the Cisco 90 Series DSL Management Agent. This guide also contains additional information on managing subscriber loops.

For additional information on the Cisco 90i IDSL Channel Unit, see “Additional Documentation” later in this preface.

Audience

This guide is intended for systems administrators and network engineers who are responsible for installing, configuring, and maintaining Cisco 90 Series equipment. You should be familiar with the following:

- Integrated Services Digital Network (ISDN) concepts, technology, and terminology
- Frame Relay concepts, technology, and terminology
- Simple Network Management Protocol (SNMP) and Management Information Base (MIB) concepts
- Network management systems (for example, HP OpenView)

Organization

This guide is organized as follows:

Table 1 Major Sections of this Guide

Chap/App	Title	Description
Chapter 1	Introduction to the Cisco 90 Series	Briefly describes the Cisco 90 Series DSL family of products.
Chapter 2	Installing the Cisco 90 Series DSL Management Agent	Describes how to install the Cisco 90 Series DSL Management Agent hardware.
Chapter 3	Configuring the Cisco 90 Series DSL Management Agent	Describes how to start the Cisco 90 Series DSL Management Agent for the first time, configure SNMP and TCP/IP, and verify network connectivity.
Chapter 4	Installing D4 Channel Banks and Cisco 90i IDSL Channel Units	Describes how to install D4 channel banks and Cisco 90i IDSL Channel Units.
Chapter 5	Managing Cisco 90i. IDSL Channel Units and Subscriber Loops	Describes the MIB objects used to manage Cisco 90i IDSL Channel Units, ports, permanent virtual circuits, and subscriber connections.
Appendix A	Cisco 90 Series MIB	Provides a detailed listing of the Cisco 90 Series DSL Management Agent MIB.
Appendix B	Network DLCI Assignments	Provides a listing of network DLCI assignments.
Appendix C	Upgrading DSL Management Agent Software	Provides information on how to upgrade the DSL Management Agent software.
Appendix D	Configuring Subscriber Equipment for Use with the Cisco 90i IDSL Channel Unit	Provides information on how to configure customer premises equipment for leased-line operation with the Cisco 90i Channel Unit.

Conventions

Table 2 Installation and Administration Guide Conventions





Convention	Description
boldface font	Commands and keywords.
<i>italic font</i>	Variables for which you supply values.
[]	Keywords or arguments that appear within square brackets are optional.
{ x y z }	A choice of required keywords appears in braces separated by vertical bars. You must select one.
screen font	Examples of information displayed on the screen.
boldface screen font	Examples of information you must enter.
< >	Nonprinting characters, for example passwords, appear in angle brackets.
[]	Default responses to system prompts appear in square brackets.
Note	Means <i>reader take note</i> . Notes contain helpful suggestions or references to additional information and material.
 Timesaver	This symbol means <i>the described action saves time</i> . You can save time by performing the action described in the paragraph.
 Caution	This symbol means <i>reader be careful</i> . In this situation, you might do something that could result in equipment damage or loss of data.
 Warning	<p>This warning symbol means <i>danger</i>. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. To see translations of the warnings that appear in this publication, refer to the <i>Regulatory Compliance and Safety Information</i> document that accompanied this device.</p> <p>Waarschuwing Dit waarschuwingssymbool betekent gevaar. U verkeert in een situatie die lichamelijke letsels kan veroorzaken. Voordat u aan enige apparatuur gaat werken, dient u zich bewust te zijn van de bij elektrische schakelingen betrokken risico's en dient u op de hoogte te zijn van standaard maatregelen om ongelukken te voorkomen. Voor vertalingen van de waarschuwingen die in deze publicatie verschijnen, kunt u het document <i>Regulatory Compliance and Safety Information</i> (Informatie over naleving van veiligheids- en andere voorschriften) raadplegen dat bij dit toestel is ingesloten.</p> <p>Varoitus Tämä varoitusmerkki merkitsee vaaraa. Olet tilanteessa, joka voi johtaa ruumiinvammaan. Ennen kuin työskentelet minkään laitteiston parissa, ota selvää sähkökytkentöihin liittyvistä vaaroista ja tavanomaisista onnettomuuksien ehkäisykeinoista. Tässä julkaisussa esiintyvien varoitusten käännökset löydät laitteen mukana olevasta <i>Regulatory Compliance and Safety Information</i> -kirjasta (määräysten noudattaminen ja tietoa turvallisuudesta).</p> <p>Attention Ce symbole d'avertissement indique un danger. Vous vous trouvez dans une situation pouvant causer des blessures ou des dommages corporels. Avant de travailler sur un équipement, soyez conscient des dangers posés par les circuits électriques et familiarisez-vous avec les procédures couramment utilisées pour éviter les accidents. Pour prendre connaissance des traductions d'avertissements figurant dans cette publication, consultez le document <i>Regulatory Compliance and Safety Information</i> (Conformité aux règlements et consignes de sécurité) qui accompagne cet appareil.</p>

Table 2 Installation and Administration Guide Conventions (Continued)

Convention	Description
 Warning (continued)	<p>Warnung Dieses Warnsymbol bedeutet Gefahr. Sie befinden sich in einer Situation, die zu einer Körperverletzung führen könnte. Bevor Sie mit der Arbeit an irgendeinem Gerät beginnen, seien Sie sich der mit elektrischen Stromkreisen verbundenen Gefahren und der Standardpraktiken zur Vermeidung von Unfällen bewußt. Übersetzungen der in dieser Veröffentlichung enthaltenen Warnhinweise finden Sie im Dokument <i>Regulatory Compliance and Safety Information</i> (Informationen zu behördlichen Vorschriften und Sicherheit), das zusammen mit diesem Gerät geliefert wurde.</p> <p>Avvertenza Questo simbolo di avvertenza indica un pericolo. La situazione potrebbe causare infortuni alle persone. Prima di lavorare su qualsiasi apparecchiatura, occorre conoscere i pericoli relativi ai circuiti elettrici ed essere al corrente delle pratiche standard per la prevenzione di incidenti. La traduzione delle avvertenze riportate in questa pubblicazione si trova nel documento <i>Regulatory Compliance and Safety Information</i> (Conformità alle norme e informazioni sulla sicurezza) che accompagna questo dispositivo.</p> <p>Advarsel Dette varselsymbolet betyr fare. Du befinner deg i en situasjon som kan føre til personskade. Før du utfører arbeid på utstyr, må du være oppmerksom på de faremomentene som elektriske kretser innebærer, samt gjøre deg kjent med vanlig praksis når det gjelder å unngå ulykker. Hvis du vil se oversettelser av de advarslene som finnes i denne publikasjonen, kan du se i dokumentet <i>Regulatory Compliance and Safety Information</i> (Overholdelse av forskrifter og sikkerhetsinformasjon) som ble levert med denne enheten.</p> <p>Aviso Este símbolo de aviso indica perigo. Encontra-se numa situação que lhe poderá causar danos físicos. Antes de começar a trabalhar com qualquer equipamento, familiarize-se com os perigos relacionados com circuitos eléctricos, e com quaisquer práticas comuns que possam prevenir possíveis acidentes. Para ver as traduções dos avisos que constam desta publicação, consulte o documento <i>Regulatory Compliance and Safety Information</i> (Informação de Segurança e Disposições Reguladoras) que acompanha este dispositivo.</p> <p>¡Advertencia! Este símbolo de aviso significa peligro. Existe riesgo para su integridad física. Antes de manipular cualquier equipo, considerar los riesgos que entraña la corriente eléctrica y familiarizarse con los procedimientos estándar de prevención de accidentes. Para ver una traducción de las advertencias que aparecen en esta publicación, consultar el documento titulado <i>Regulatory Compliance and Safety Information</i> (Información sobre seguridad y conformidad con las disposiciones reglamentarias) que se acompaña con este dispositivo.</p> <p>Warning! Denna varningssymbol signalerar fara. Du befinner dig i en situation som kan leda till personskada. Innan du utför arbete på någon utrustning måste du vara medveten om farorna med elkretsar och känna till vanligt förfarande för att förebygga skador. Se förklaringar av de varningar som förekommer i denna publikation i dokumentet <i>Regulatory Compliance and Safety Information</i> (Efterrättelse av föreskrifter och säkerhetsinformation), vilket medföljer denna anordning.</p>

Additional Documentation

For additional information on Cisco 90 Series equipment, see the following documentation:

Cisco 90i—ISDN Digital Subscriber Loop (IDSL) Channel Unit Practice Document

Cisco 90i IDSL Channel Unit Quick Start Guide

Regulatory Compliance and Safety Information for the Cisco 90i IDSL Channel Unit

Regulatory Compliance and Safety Information for the Cisco 90 Series DSL Management Agent