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Cisco 1003 and Cisco 1004 Public Network Certification

This publication provides international regulatory and safety compliance information for the Cisco 1003 and Cisco 1004 routers. Use this publication with the *Cisco 1003 and Cisco 1004 User Guide* publication that you received with your router and as an addendum to the *Router Products Getting Started Guide*.

Note These publications are available on UniverCD, or printed copies can be ordered.

Safety Information

All of the following statements are warnings or safety guidelines. A warning means danger. You are in a situation that could cause bodily injury. Before working on equipment, be aware of the hazards involved with electrical circuitry and standard safety practices to prevent accidents.

- On units equipped with a Basic Rate Interface (BRI) port, use an appropriate cable to connect the system directly to the Integrated Services Digital Network (ISDN) through the NT1. The common carrier will provide the NT1 connection worldwide, except in North America, where the NT1 is customer provided. (This warning applies to the Cisco 1003 router only.)
- This warning applies only to units equipped with a Basic Rate Interface (BRI) port. Network hazardous voltages are accessible in the BRI cable. If you detach the BRI cable, detach the end away from the router first to avoid possible electric shock. Network hazardous voltages also are accessible on the system card in the area of the BRI port (RJ-45 connector), whether or not power is turned off.
- The ports marked “10baseT,” “Console,” and “PCMCIA” are safety extra-low voltage (SELV) circuits. SELV circuits should only be connected to other SELV circuits. Because the BRI circuits are treated like telephone network voltage, special care should be taken to avoid the likelihood of mismatching the SELV and telephone network voltage (TNV) circuits.
- An ISDN connection is regarded as a source of voltage that should be inaccessible to user contact. No attempt should be made by users to tamper with or open any public telephone operator (PTO)-provided equipment or connection hardware. Any hardwired connection (other than by nonremoveable, connect-one-time-only plug) must be made only by PTO staff or suitably trained engineers.

- Before opening the chassis, disconnect the telephone-network cables to avoid contact with telephone-network voltages.
- Do not work on the system or connect or disconnect cables during periods of lightning activity.
- Do not touch the power supply when the power cord is connected. For systems without a power switch, line voltages are present within the power supply when the power cord is connected.
- Refer to the user guide instructions before you connect the system to its power source.
- Before working on a chassis or working near power supplies, unplug the power cord on AC units.
- This product relies on the building's installation for short-circuit (overcurrent) protection. Ensure that a fuse or circuit breaker no larger than 120 VAC, 15A U.S. (240 VAC, 10A international) is used on the phase conductors (all current-carrying conductors).
- The device is designed to work with TN power systems.

EMC Compliance

The Cisco 1003 routers conform to the requirements of EMC Directive 89/336/EEC.

This product range falls within the scope of the Telecommunications Terminal Equipment (TTE) Regulations 1992 (Statutory Instrument No. 2423/1992).

However, there is currently no common technical regulation (CTR) in force that covers this particular category of equipment. Therefore the TTE regulations do not apply as specified in clauses 2(1), 4(3), and 6(1).

Accordingly, this product range conforms to the requirements of the national standards for connection to the network in accordance with section 22 of the 1984 Telecommunications act.

The installation and maintenance procedures in the user guide must be followed to ensure compliance with these regulations.

Operating Conditions for Canada

In addition to the warnings and safety guidelines listed in "Safety Information" the following operating condition applies to Cisco 1004 routers used in Canada:

The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing the equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.



Caution Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

Operating Conditions for the European Community

The warnings and safety guidelines listed in “Safety Information” apply to Cisco 1003 routers used in the European Community.

Operating Conditions for Italy

In addition to the warnings and safety guidelines listed in “Safety Information” the following warning applies to Cisco 1003 routers used in Italy:

- **AVVERTENZA PER GLI UTENTI DELLA CISCO 1003 PER CONNESSIONI ISDN ACCESSO BASICO**

“Si raccomanda di spegnere il terminale qualora venisse spostato tra due prese dello stesso o di differente bus SO.”

WARNING FOR USERS OF THE CISCO 1003 FOR BASIC ACCESS ISDN CONNECTIONS

“It is recommended to switch off the terminal equipment when it is moved between two sockets of the same or different bus.”

Operating Conditions for the United Kingdom

In addition to the warnings and safety guidelines listed in “Safety Information,” the following warnings apply to Cisco 1003 routers used in the United Kingdom:

- The Cisco 1003 router is designed to meet the requirements of interim CTR3 for Basic Rate Access.

- Interconnection directly, or by way of other apparatus, of ports marked:

“Safety Warning — See instructions for use”

with ports marked or not so marked may produce hazardous conditions on the network, and that advice should be obtained from a competent engineer before such a connection is made.

- The BRI connector must be hardwired permanently to the S-reference connection point by using a connect one-time-only, nonremovable plug (RJ-45 with the latch tab removed).

- The ports marked “10BaseT,” “Console,” and “ISDN,” have a safety warning applied to them as follows:

“These ports do not provide isolation sufficient to satisfy the requirement of EN41003; apparatus connected to these ports should either have been approved to EN41003 or have previously been evaluated against B5E301 British Telecommunications plc (Post Office) Technical Guides 2 or 26 and given permission to attach; any that other usage will invalidate any approval given to this apparatus.”

Other usage will invalidate any approval given to this apparatus if as a result it ceases to comply with EN41003:1993.
- This apparatus must be connected to a main socket outlet with a protective earth contact.
- Connection of power supply: The Cisco 1003 router is intended for use when supplied with power from a supply providing 220-240 VAC, 50/60 Hz up to 5 A.

Agency Approvals for the Cisco 1003 Router

- Safety: UL 1950, CSA 22.2 No. 950, EN60950:1992
- EMI: FCC Class B, VDE Class B, Canadian DOC Class B, EN55022 Class B (CISPR22 B), VCCI Class 2
- I-CTR3, November 1994
- Germany National ISDN, 1TR6:

BAPT 224 ZV 1, Ausgabe 12.92

BAPT 223 ZV 6, Ausgabe 10.93
- French Delta NET3
- Australia TS013
- Hong Kong: Permission To Connect, CR22
- New Zealand TNA 134

Agency Approvals for the Cisco 1004 Router

- Safety: UL 1950, CSA 22.2 No. 950
- EMI: FCC Class B, Canadian DOC Class B
- Canadian CS03, Part iv, Issue 7

CE Marking Directive

The CE 0344X signifies that the product meets the European Directive 91/263/EEC.

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You can access CIO in the following ways:

- WWW: <http://www.cisco.com>.
- Telnet: [cio.cisco.com](telnet://cio.cisco.com).
- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and baud rates up to 14.4 kbps.

For a copy of CIO's Frequently Asked Questions (FAQ), contact cio-help@cisco.com. For additional information, contact cio-team@cisco.com.

Note If you are a network administrator and need personal technical assistance with a Cisco product that is under warranty or covered by a maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 553-2447, 408 526-7209, or tac@cisco.com. To obtain general information about Cisco Systems, Cisco products, or upgrades, contact 800 553-6387, 408 526-7208, or cs-rep@cisco.com.

Use this document in conjunction with the *Cisco 1003 and Cisco 1004 User Guide* publication.

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