



Industry  
Canada

Industrie  
Canada

CS-03

Issue 9

Release: November 2004

Effective: November 2004

Spectrum Management and Telecommunications Policy

# **Compliance Specification for Terminal Equipment, Terminal Systems, Network Protection Devices, Connection Arrangements and Hearing Aids Compatibility**

### **Caution Notice**

The user's attention is called to the possibility that compliance with this specification may require use of an invention covered by patent rights. This specification does not grant any rights, and it is the responsibility of the user to ensure that patent rights are not violated. Known patent holders have however, filed statements of willingness to grant a licence under these rights on reasonable and non-discriminatory terms to applicants. No representation or warranty is made or implied by the Department that these are the only licences that may be required to avoid infringement in the use of this specification.

© Her Majesty the Queen in Right of Canada  
as represented by Industry Canada (first published in 1966)

## 1. Scope

This Specification, which is divided into eight parts, sets forth the minimum technical requirements for the registration of terminal equipment, terminal systems, network protection devices and associated connection arrangements. These technical requirements are intended to protect the public switched network from harm. Conformance to these technical requirements will not assure compatibility with wireline carrier services.

Throughout this document wherever the words terminal equipment (TE) appear they shall be read as "terminal equipment, terminal systems and network protection devices".

The document contains the following parts:

**Part I** specifies the requirements for analogue terminal equipment intended for connection to the public switched network (e.g. equipment connected to loop start lines, tie trunks, etc.).

**Part II** specifies the requirements for digital terminal equipment intended for connection to 1.544 Mbps (DS-1) digital facilities.

**Part III** specifies acceptable methods of connection for terminal equipment.

**Part IV** is a glossary of terms used throughout the document.

**Part V** specifies the requirements for the magnetic output from handset telephones for the purpose of coupling with hearing aids. These technical requirements are intended to ensure compatibility between hearing aids and handsets, thus providing persons with hearing aids reasonable access to the telephone network.

**Part VI** specifies requirements for Integrated Services Digital Network (ISDN) terminal equipment.

**Part VII** specifies technical requirements for limited distance modem terminal equipment and digital subrate terminal equipment.

**Part VIII** specifies technical requirements for a range of Digital Subscriber Line (xDSL) terminal equipment.

## 2. Associated Requirements

The following documents specify the requirements that shall be met with regards to declaration of conformity, registration, and marking of terminal equipment covered in Parts I, II, V, VI, VII and VIII of this document.

**Procedure for Declaration of Conformity and Registration of Terminal Equipment (DC-01):**

This document specifies the procedures that must be used by a supplier of terminal equipment to declare to Industry Canada that equipment complies with the applicable technical regulations, and to register the equipment in the Terminal Equipment List (TEL).

**Self-Marking of the Certification/Registration Number on Terminal Equipment: Application Procedure and Agreement:**

This document specifies the process and format which allow a manufacturer with its own labelling or marking method to permanently mark on its terminal equipment the certification/registration number.

**Terminal Equipment List:**

This database, maintained and issued by the Department, contains a listing of all registered terminal equipment.

**Certification Service Fees (TRC-49):**

This document gives information on the assessment, testing and label fees applicable to telecommunications apparatus.

The CS-03 will be reviewed from time to time on the basis of experience gained as new technologies emerge. Industry Canada encourages comments and suggestions that will enhance the effectiveness of the specification. These may be forwarded to:

TAPAC Chairperson  
Directorate of Telecommunication Engineering and Certification  
Industry Canada  
Suite 1302-A  
300 Slater Street, 13th Floor  
Ottawa, Ontario K1A 0C8  
Canada  
Telephone No.: (613) 990-4712  
Facsimile No.: (613) 957-8845

The above mentioned documents can be found on the Spectrum Management and Telecommunications Web site at <http://strategis.gc.ca/spectrum>.

Issued under the authority  
of the Minister of Industry

R.W. McCaughern  
Director General  
Spectrum Engineering Branch