

Information technology equipment — Safety —

Part 21: Remote power feeding

The European Standard EN 60950-21:2003 has the status of a
British Standard

ICS 35.020

National foreword

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The UK participation in its preparation was entrusted to Technical Committee EPL/108, Safety for audio/video and similar technology, information technology and communication technology equipment, which has the responsibility to:

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**Information technology equipment –
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Part 21: Remote power feeding
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Foreword

The text of document 108/22/FDIS, future edition 1 of IEC 60950-21, prepared by IEC TC 108, Safety of electronic equipment within the field of audio/video, information technology and communication technology, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60950-21 on 2003-03-01.

The following dates were fixed:

- latest date by which the EN has to be implemented
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- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2006-07-01

In this standard, the following print types are used:

- requirements proper and normative annexes: in roman type;
- *compliance statements and test specifications: in italic type;*
- notes and other informative matter: in smaller roman type;
- normative conditions within tables: in smaller roman type;
- terms that are defined in Clause 3 and in EN 60950-1: SMALL CAPITALS.

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is normative and annex A is informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60950-21:2002 was approved by CENELEC as a European Standard without any modification.

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INTRODUCTION

This Part 21 of IEC 60950 is intended to be used with IEC 60950-1, hereafter referred to as “Part 1”. The subclauses of IEC 60950-1 apply as far as reasonable. Where safety aspects are similar to those of Part 1, the relevant clause or subclause of IEC 60950-1 is shown for reference in parentheses after the clause or subclause title in this Part 21. Where a requirement in this Part 21 refers to a requirement or criterion of Part 1, a specific reference to IEC 60950-1 is made.

INFORMATION TECHNOLOGY EQUIPMENT – SAFETY –

Part 21: Remote power feeding

1 Scope

This part of IEC 60950 applies to information technology equipment intended to supply and receive operating power via a TELECOMMUNICATION NETWORK, where the voltage exceeds the limits for TNV CIRCUITS.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60950-1:2001, *Information technology equipment – Safety – Part 1: General requirements*

3 Definitions

For the purposes of this International Standard, the terms and definitions given in IEC 60950-1 and the following apply.

3.1

RFT circuit

remote feeding telecommunication circuit

a SECONDARY CIRCUIT within the equipment, intended to supply or receive d.c. power via a TELECOMMUNICATION NETWORK at voltages exceeding the limits for TNV CIRCUITS, and on which overvoltages from TELECOMMUNICATION NETWORKS are possible

3.2

RFT-C circuit

an RFT CIRCUIT which is so designed and protected that under normal operating conditions and single fault conditions, the currents in the circuit do not exceed defined values

NOTE The limit values of current under normal operating and single fault conditions are specified in 6.1

3.3

RFT-V circuit

an RFT CIRCUIT which is so designed and protected that under normal operating conditions and single fault conditions, the voltages are limited and the accessible area of contact is limited

NOTE The limit values of voltage under normal operating and single fault conditions are specified in 6.2