

# TS 101 139 V1.1.1 (1998-02)

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*Technical Specification*

**Integrated Services Digital Network (ISDN);  
Signalling System No.7;  
Transaction Capabilities (TC) version 2;  
Implementors guide**

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*European Telecommunications Standards Institute*

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## Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Signalling Protocol and Switching (SPS).

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## 1 Scope

The present document is a compilation of reported defects, their resolutions and minor upgrades to the 2nd Edition of ETS 300 287-1 [1]. It includes all approved technical corrigenda and is intended to be an additional authoritative source of information for implementors to be read in conjunction with the ETS 300 287-1 [1] itself.

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## 2 Normative references

References may be made to:

- a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or
- b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or
- c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or
- d) publications without mention of a specific version, in which case the latest version applies.

A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

- [1] ETS 300 287-1 (1996): "Integrated Services Digital Network (ISDN); Signalling System No.7; Transaction Capabilities (TC) version 2; Part 1: Protocol specification [ITU-T Recommendations Q.771 to Q.775 (1993), modified]".
- [2] ITU-T Recommendation Q.771: "Signalling System No.7, functional description of transaction capabilities".

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## 3 Definitions, symbols and abbreviations

### 3.1 Definitions

None

### 3.2 Symbols

None

### 3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

|      |   |
|------|---|
| SCCP | Signalling Connection Control Part        |
| TC   | Transaction Capabilities                  |
| TCAP | Transaction Capabilities Application Part |
| QoS  | Quality of Service                        |

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## 4 Editorial errors

None identified.

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## 5 Technical errors

None identified

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## 6 Ambiguities

Synopsis: The TC Quality of Service Parameter contains the acceptable quality of service parameters for the connectionless Signalling Connection Control Part (SCCP) network service. Currently, the description of this parameter in ITU-T Recommendation Q.771 [2] as endorsed by ETS 300 287-1 [1] implies that the parameter only consists of "Return Option" and "Sequence Control", this is an incorrect assumption. The intention was that this parameter should contain *all* information pertaining to quality of service for the connectionless SCCP network service and this would include "Return Option", "Sequence Control" and "Importance Indication". To correct this the following modifications should be applied:

Modification a): ITU-T Recommendation Q.771 [2], Section 3.1.2.1, Definition of parameters.

For the parameter "Quality of Service" modify the definition as follows:

"- "Quality of Service" - the TC-user indicates the acceptable Quality of Service. The "Quality of Service" parameters for the connectionless SCCP network service **may contain, for example, "Return Option", "Sequence Control" and "Importance Indication".**

Delete definitions of Return Option and Sequence Control."

Modification b): ITU-T Recommendation Q.771 [2], Section 3.2.1, Overview of the Transaction sub-layer primitives.

For the parameter "Quality of Service" modify the definition as follows:

"- "Quality of Service" - the TC-user indicates the acceptable Quality of Service. The "Quality of Service" parameters for the connectionless SCCP network service **may contain, for example, "Return Option", "Sequence Control" and "Importance Indication".**

Delete definitions of Return Option and Sequence Control."

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## 7 Increased interoperability

None

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## 8 Deployment possibility in new environments

Improved.

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# History

| <b>Document history</b> |               |             |
|-------------------------|---------------|-------------|
| V1.1.1                  | February 1998 | Publication |
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