



BSI Standards Publication

Information technology — Future Network — Problem statement and requirements

Part 8: Quality of Service

National foreword

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**Information technology — Future
Network — Problem statement and
requirements —**

**Part 8:
Quality of Service**

*Technologies de l'information — Réseaux du futur — Énoncé du
problème et exigences —*

Partie 8: Qualité de service



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Foreword

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A list of all parts in the ISO/IEC 29181 series, published under the general title *Information technology — Future network — Problem statement and requirements*, is available on the ISO website.

Introduction

ISO/IEC/TR 29181-1 describes the definition, general concept, problems and requirements for the Future Network (FN). The other parts of ISO/IEC 29181 provide details of various components of the specific technology areas.

This document examines the problems of the Quality of Service (QoS) issues of current networks, and describes the requirements in Future Network QoS architecture and functionality perspectives. It also gives some examples of technical issues for QoS realization in Future Network (see Annex A).

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Information technology — Future Network — Problem statement and requirements —

Part 8: Quality of Service

1 Scope

This document describes the problem statements of current networks and the requirements for Future Network (FN) in the Quality of Service (QoS) perspective. This document mainly specifies:

- problems of the current networks for QoS;
- requirements for QoS support in Future Network.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

Future Network Quality of Service

FNQoS

overall performance of a Future Network, including two aspects: QoS (Quality of Service) and QoE (Quality of Experience)

3.2

Future Network Proxy

FNProxy

entity, which replaces task submitter to execute particular assignments and shields them from implementation details and processes

Note 1 to entry: FNProxy may contain sub-proxies.