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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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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.

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