SLOVENSKI STANDARD
oSIST prEN IEC 63478-2:2025

01-marec-2025

Kakovost uporabniške izkušnje (QoE) za multimedijske konferenčne storitve – 2. del: Zahteve

User’s quality of experience (QoE) on multimedia conferencing services - Part 2: Requirements

iTeh Standards
(https://standards.iteh.ai)
Document Preview

Qualité de l'expérience de l'utilisateur (QoE) pour les services de conférence multimédia - Partie 2: Exigences

Ta slovenski standard je istoveten z: **prEN IEC 63478-2:2025**

---

oSIST prEN IEC 63478-2:2025
https://standards.iteh.ai/catalog/standards/sist/8c2b8e85-c540-488b-b304-f60efc4212ad/osist-pren-iec-63478-2-2025

ICS:

33.160.60	Večpredstavni (multimedijski) sistemi in oprema za telekonference	Multimedia systems and teleconferencing equipment

oSIST prEN IEC 63478-2:2025 **en,fr,de**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

iTeh Standards
(https://standards.iteh.ai)
Document Preview

oSIST prEN IEC 63478-2:2025
https://standards.iteh.ai/catalog/standards/sist/8c2b8e85-c540-488b-b304-f60efc4212ad/osist-pren-iec-63478-2-2025

oSIST prEN IEC 63478-2:2025

100/4246/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: **IEC 63478-2 ED1**	
DATE OF CIRCULATION: **2025-01-17**	CLOSING DATE FOR VOTING: **2025-04-11**
SUPERSEDES DOCUMENTS: **100/4188/CD, 100/4216/CC**	

IEC TC 100 : AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT	
SECRETARIAT: Japan	SECRETARY: Ms Mahiru Uehara
OF INTEREST TO THE FOLLOWING COMMITTEES:	HORIZONTAL FUNCTION(S):
ASPECTS CONCERNED:	
☒ SUBMITTED FOR CENELEC PARALLEL VOTING	☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING

Attention IEC-CENELEC parallel voting

The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting.

The CENELEC members are invited to vote through the CENELEC online voting system.

iTeh Standards
(https://standards.iteh.ai)
Document Preview
oSIST prEN IEC 63478-2:2025
https://standards.iteh.ai/catalog/standards/sist/8c2b8e85-c540-488b-b304-f60efc4212ad/osist-pren-iec-63478-2-2025

This document is still under study and subject to change. It should not be used for reference purposes.

Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Recipients of this document are invited to submit, with their comments, notification of any relevant "In Some Countries" clauses to be included should this proposal proceed. Recipients are reminded that the CDV stage is the final stage for submitting ISC clauses. (SEE AC/22/2007 OR NEW GUIDANCE DOC).

TITLE:

User's Quality of Experience (QoE) on Multimedia Conferencing Services - Part 2: Requirements

PROPOSED STABILITY DATE: 2029

NOTE FROM TC/SC OFFICERS:

Copyright © 2024 International Electrotechnical Commission, IEC. All rights reserved. It is permitted to download this electronic file, to make a copy and to print out the content for the sole purpose of preparing National Committee positions. You may not copy or "mirror" the file or printed version of the document, or any part of it, for any other purpose without permission in writing from IEC.

oSIST prEN IEC 63478-2:2025

CONTENTS

FOREWORD 3
INTRODUCTION 5
1 Scope 6
2 Normative references 6
3 Terms and definitions 6
4 Overview 7
5 QoE Parameters 8
5.1 General 8
5.2 Video quality 9
5.3 Audio quality 9
5.4 Synchronization 9
5.5 Accessibility 10
5.6 Interoperability 10
5.7 Participation 11
5.8 Openness 11
5.9 UI/UX 11
6 Requirements for QoE functional operations 12
6.1 General 12
6.2 QoE initialization 13
6.3 QoE monitoring 13
6.4 QoE evaluation 13
7 Requirements for QoE functional entities 14
7.1 General 14
7.2 Multimedia Conferencing Server (MCS) 14
7.3 Multimedia Conferencing Client (MCC) 14
7.4 QoE Measurement Agent (QMA) 15
7.5 QoE Measurement Manager (QMM) 15
Bibliography 16

Figure 1 – Functional entities and operations for QoE measurement 12

Table 1 – List of parameters for QoE measurement 8
Table 2 – Requirements for QoE functional entities 14

iTeh Standards
(https://standards.iteh.ai)
Document Preview
oSIST prEN IEC 63478-2:2025
https://standards.iteh.ai/catalog/standards/sist/8c2b8e85-e540-488b-b304-f60efc4212ad/osist-pren-iec-63478-2-2025

oSIST prEN IEC 63478-2:2025

INTERNATIONAL ELECTROTECHNICAL COMMISSION

_____

USER'S QUALITY OF EXPERIENCE ON MULTIMEDIA CONFERENCING SERVICES

Part 2: Requirements

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
6) All users should ensure that they have the latest edition of this publication.
7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
9) IEC draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). IEC takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, IEC had not received notice of (a) patent(s), which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at https://patents.iec.ch or www.iso.org/patents. IEC shall not be held responsible for identifying any or all such patent rights.

IEC 63478-2 has been prepared by subcommittee WG 11: USER'S QUALITY OF EXPERIENCE (QoE) ON MULTIMEDIA CONFERENCING SERVICES, of IEC technical committee TC 100: AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
XX/XX/FDIS	XX/XX/RVD

iTeh Standards (https://standards.iteh.ai) Document Preview
https://standards.iteh.ai/catalog/standards/sist/e0e5e5e0-488b-b304-f60efc4212ad/osist-pren-iec-63478-2-2025

oSIST prEN IEC 63478-2:2025

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

iTeh Standards
(https://standards.iteh.ai)
Document Preview

oSIST prEN IEC 63478-2:2025
https://standards.iteh.ai/catalog/standards/sist/8c2b8e85-c540-488b-b304-f60efc4212ad/osist-pren-iec-63478-2-2025