

TECHNICAL REPORT



Conceptual model of standardization for haptic multimedia systems

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CONTENTS

FOREWORD.....	5
INTRODUCTION.....	7
1 Scope.....	8
2 Normative references	8
3 Terms and definitions	8
4 Overview of haptics in multimedia systems.....	10
4.1 Purpose	10
4.2 Device categories	10
4.3 Items of standardization.....	11
4.4 Purposes of haptic feedback	12
4.5 Reality class	12
4.6 Interaction modality.....	12
4.7 Data format and network topology.....	13
4.7.1 General	13
4.7.2 Acceptable delay	13
4.7.3 Frame rate.....	13
4.7.4 Quantization	13
4.7.5 Data compression.....	13
4.8 Device property.....	13
4.8.1 General	13
4.8.2 Spatial resolution.....	13
4.8.3 Use of universal parameters	14
4.8.4 Diversity of sensitivity	14
4.8.5 Safety.....	14
4.8.6 Calibration method	14
5 Examples	14
5.1 Games and entertainment.....	14
5.1.1 General	14
5.1.2 Computer games	14
5.1.3 Immersive cinema.....	15
5.1.4 Sports broadcasting.....	15
5.1.5 E-sports.....	16
5.2 Car driver support.....	16
5.2.1 General	16
5.2.2 Centre console interface.....	16
5.3 Haptic feel transfer	17
5.4 Haptic communication.....	17
Annex A (informative) Use case of vibrotactile vest.....	19
A.1 Description of the use case.....	19
A.1.1 Name of use case.....	19
A.1.2 Version management.....	19
A.1.3 Scope and objectives of use case.....	19
A.1.4 Narrative of use case.....	19
A.1.5 General remarks.....	19
A.2 Diagram of use case	20
A.3 Technical details.....	20

A.3.1	Actors	20
A.3.2	Triggering event, preconditions, assumptions	21
A.3.3	References	21
A.3.4	Further information on the use case for classification and mapping	22
A.4	Step by step analysis of use case	22
A.4.1	Overview Scenarios	22
A.4.2	Steps – scenarios	23
A.5	Information exchanged.....	25
A.6	Requirements (optional).....	25
A.7	Common terms and definitions	25
A.8	Custom information (optional)	25
A.9	Terms and definitions (additional)	26
A.10	Technologies (additional).....	26
Annex B (informative)	Use case of vibrotactile IPTV	27
B.1	Description of the use case.....	27
B.1.1	Name of use case.....	27
B.1.2	Version management.....	27
B.1.3	Scope and objectives of use case.....	27
B.1.4	Narrative of use case.....	27
B.2	Diagram of use case	27
B.3	Technical details.....	28
B.3.1	Actors	28
B.3.2	Triggering Event, Preconditions, Assumptions	28
B.3.3	References	29
B.3.4	Further Information to the use case for classification / mapping	29
B.4	Step-by-step analysis of use case.....	30
B.4.1	Overview scenarios	30
B.4.2	Steps – Scenarios	31
B.5	Information exchanged.....	32
B.6	Requirements (optional).....	32
B.7	Common terms and definitions	32
B.8	Custom information (optional)	32
B.9	Terms and definitions (additional)	36
B.10	Technologies (additional).....	37
Bibliography.....		38
Figure 1 – Device categories		10
Figure 2 – Applications		11
Figure 3 – Game & Entertainment.....		14
Figure 4 – Computer games.....		15
Figure 5 – Wear-type display for Immersive cinema		15
Figure 6 – Sports broadcasting		16
Figure 7 – Car driver support		16
Figure 8 – Centre console interface		17
Figure 9 – Tactile feel transfer		17
Figure 10 – Tactile communication.....		18
Figure A.1 – Use case diagram of vibrotactile vest.....		20

Figure B.1 – Use case diagram of vibrotactile IPTV	28
Figure B.2 – Relationship between channel number and actuator position	35
Table 1 – Items of haptics standardization	11
Table B.1 – Assigned channel number for each use case	36

INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONCEPTUAL MODEL OF STANDARDIZATION FOR HAPTIC MULTIMEDIA SYSTEMS

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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 Technical Report 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/standardsdev/publications.

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INTRODUCTION

The multimedia devices covered by TC 100 used to be primarily stationary audio and video devices, but now comprise mobile and wearable devices, for which it is necessary to consider different specifications from conventional stationary devices. At first, this Technical Report clarifies the conceptual model of haptics issues under the scope of TC 100, and then the details are described to understand the standardization items of haptics-related issues under the scope of TC 100.

MULTIMEDIA SYSTEMS – HAPTICS – CONCEPTUAL MODEL OF STANDARDIZATION

1 Scope

This document describes the conceptual model of vibro-tactile-based haptics in multimedia systems and equipment used in electrical appliances, computer interfaces, automobiles, amusements, and communication devices. This model describes possible standardization items.

NOTE Ergonomic aspects of haptics systems are standardised in the ISO 9241 series. The scope of that standard is focused on the physical specifications of the devices, signal properties and formats to ensure the common use with compatibility among various types of devices in haptics systems.

2 Normative references

There are no normative references in this document.