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Multimedia systems - Haptics - Haptics stimuli descriptors

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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 Specification is English.

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INTRODUCTION

Haptic stimulation is a sense of touch, which encompasses a wide range of perceptions and responses to mechanical and thermal actions exerted on the surface of the body. In multimedia systems, not only audiovisual systems but also systems that include haptics sensations are beginning to spread.

IEC TR 63344:2021, a Technical Report, states that haptics, which is already used in various scenes such as home, office, mobile, portable, and amusement, are required to have different specifications from conventional systems. It also comprehensively discusses the need for standardization at each level, from their physical configuration to human factors.

This document is a Technical Specification that defines the descriptors of haptics stimuli to enable the grouping of the stimuli so that their functions, performance, interoperability, devices, etc. can be considered in the same methodology to achieve the standardization described in IEC TR 63344:2021.

This document will ensure the interoperability of haptic devices, enable the sharing of a wide range of haptic content, and facilitate the sharing of R&D results, which will be of great benefit to both users and developers.

1 Scope

This document specifies descriptors for classifying and grouping the diverse and wide range of haptics events and functions in multimedia systems, which are already used in consumer electronics, computer interfaces, automobiles, amusements, and communications.

The scope of this document is to define descriptors for classifying various types of haptics systems from different perspectives. This will enable the consideration of standardization items such as compatibility, interoperability, performance, and evaluation and measurement methods for the classified haptics systems.

2 Normative references

There are no normative references in this document.