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Draft <Std.> for

Developed by the

of the

IEEE

Approved

IEEE SA Standards Board

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Abstract: <Select this text and type or paste Abstract—contents of the Scope may be used>

1. Framework for mixed reality content using motion sensor is defined.
2. (Scope version) This standard defines a framework for mixed reality content aimed at effective motion learning, including terms and definitions, requirements and data formats. Mechanisms to synchronize the motion sensor and projector coordinate system are defined. Motion acquisition methods, application programming interfaces and user interfaces are described.

Keywords: <Select this text and type or paste keywords>

[[1]](#footnote-1)•

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Wookho Son

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Introduction

This introduction is not part of P/D, Draft for .

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Contents

<After draft body is complete, select this text and click Insert Special->Add (Table of) Contents>

Draft for

1. Overview

This standard defines the standard framework of a training system that can efficiently coach the corresponding motion after recognizing user’s various motions using a motion recognition sensor.

* 1. Scope

This standard defines a framework for mixed reality content aimed at effective motion learning, including terms and definitions, requirements and data formats. Mechanisms to synchronize the motion sensor and projector coordinate system are defined. Motion acquisition methods, application programming interfaces and user interfaces are described.

* 1. Purpose

This standard aims to provides a framework for immersive contents and hardware for driving the content so that users can effectively learn various motions such as movement, martial arts, and dance based on motion using ICT devices to which AI is applied.

* 1. Word usage

The word *shall* indicates mandatory requirements strictly to be followed in order to conform to the standard and from which no deviation is permitted (*shall* equals is *required to*).[[2]](#footnote-2),[[3]](#footnote-3)

The word *should* indicates that among several possibilities one is recommended as particularly suitable, without mentioning or excluding others; or that a certain course of action is preferred but not necessarily required (*should* equals is *recommended that*).

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The word *can* is used for statements of possibility and capability, whether material, physical, or causal (*can* equals is *able to*).

1. Normative references

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1. Definitions, acronyms, and abbreviations
   1. Definitions

For the purposes of this document, the following terms and definitions apply. The IEEE Standards Dictionary Online should be consulted for terms not defined in this clause. [[4]](#footnote-4)

* 1. Acronyms and abbreviations

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1. First level header
   1. Second level header

Third level header

* + - * 1. Fourth level header

Fifth level header

[Equation placeholder]

1. —
2. —
3. First level header

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# (informative) Annex Heading placeholder

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### Annex header 2

#### Annex header 3

##### Annex header 4

###### Annex header 5

[Annex Equation placeholder] (A.1)

Figure .—Annex figure caption placeholder

Table .—Annex table caption placeholder

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2. The use of the word *must* is deprecated and cannot be used when stating mandatory requirements, *must* is used only to describe unavoidable situations. [↑](#footnote-ref-2)
3. The use of *will* is deprecated and cannot be used when stating mandatory requirements, *will* is only used in statements of fact. [↑](#footnote-ref-3)
4. IEEE Standards Dictionary Online is available at: <http://dictionary.ieee.org>. An IEEE Account is required for access to the dictionary, and one can be created at no charge on the dictionary sign-in page. [↑](#footnote-ref-4)