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Draft <Std.> for <Mixed Reality Standard Framework for Motion Learning >

Developed by the

<Human Factor for Immersive Content Working Group>

of the

IEEE <Computer Society>

Approved <Date 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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<Vice-chair Name>, Vice Chair

**<HyeonWoo Nam>**, *Technical Editor*

Beom-Ryeol Lee

Wookho Son

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This introduction is not part of P<3079.2>/D<01>, Draft <Std.> for <Complete Title Matching PAR>.

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Contents

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

Draft <Std.> for <Mixed Reality Standard Framework for Motion Learning>

1. Overview

이 표준은 동작인식 센서를 이용하여 사용자의 다양한 동작을 인식한 후, 해당 동작에 대한 코칭을 효율적으로 할 수 있는 트레이닝 시스템의 표준 프레임워크를 정의한다.

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

이 표준은 사용자가 동작을 기반으로 하는 운동, 격투기, 댄스 등의 다양한 동작 학습

* 1. Word usage

***<This subclause is mandatory and shall appear after the Scope and Purpose (if included).>***

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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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 A.1—Annex figure caption placeholder

Table A.1—Annex table caption placeholder

# (informative)Bibliography

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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)