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| Project | **Cybersickness Reduction Working Group**< <https://sagroups.ieee.org/3079/> **>** |
| Title | **Proposal of New PAR for ‘Motion Recognition-based Unattended Motion Learning Standard Framework’** |
| DCN | **3079-21-0044-00-0000** |
| Date Submitted | **July 12, 2021** |
| Source(s) | **Jeong, Sangkwon Peter** ceo@joyfun.kr **(JoyFun Inc.)****Gookhwan Lee ghlee@joyfun.kr (JoyFun Inc.)****Jimmy Jaeyoung Jang** **jimmyjanggg@joyfun.kr** **(JoyFun Inc.)****Nam, HyeonWoo** hwnam@dongduk.ac.kr **(Dongduk Women’s University)** |
| Re: |  |
| Abstract | This document is about description of PAR to propose motion recognition-based unmanned motion learning standard framework standard. |
| Purpose | This contribution document’s goal is to get approval by PAR to propose a standard framework standard for unmanned motion learning based on motion recognition. |
| Notice | This document is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. |
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**PAR for a New IEEE Standard**

# Section 1

* 1. **Assigned Project Number**:

P3079.x

* 1. **Type of Document: *Standard, Recommended Practice, or Guide***

Standard

* 1. **Life Cycle: *Full Use or Trial Use***

Full Use.

# Section 2

**2.1 Project Title:**

# Motion Recognition-based Unattended Motion Learning Standard Framework

# Section 3

**3.1 Working Group: Cybersickness Reduction Working Group (C/SAB/3079\_WG)**

**3.1.1 Contact Information for Working Group Cahir:**

**Name:** Beom-Ryeol Lee

**Email Address:** lbr@etri.re.kr

**3.1.2 Contact Information for Working Group Vice Cahir:**

**Name:** Wookho Son

**Email Address:** whson@etri.re.kr

**3.2 Society and Committee:** C/SAB

**3.2.1 Contact Information for Standards Committee Cahir:**

**Name:** Robby Robson

**Email Address:** robby@computer.org

**3.2.2 Contact Information for Standards Committee Vice Cahir:**

None

**3.2.3 Contact Information for Standards Representative:**

None

**3.3 Joint Sponsor:** (chosen from drop down menu)

If you are not adding a joint sponsor to this project, you may leave this field blank.

# Section 4

**4.1 Sponsor Balloting Information: *Individual or Entity***

Individual

**4.2 Expected Date of Submission of Draft to the IEEE-SA for Initial Standards Committee Ballot:**

**Month: Oct. Year: 2024**

**4.3 Projected Completion Date for Submittal to RevCom**

**Month: Jun. Year: 2025**

# Section 5

**5.1 Approximate number of people expected to be actively involved in the development of this project:**

30

**5.2 Scope of the proposed standard:**

This standard is to define a standard framework necessary for developing content that can learn motion without a human by utilizing a motion recognition sensor.

This standard framework includes the following;

* A module that recognizes the user by a motion recognition sensor that recognizes the user's motion.
* A module that allows a motion recognition sensor that recognizes the user's motion to track the user.
* Smartphone interlocking module to control the device.
* A module that notifies the user of the wrong motion.
* Module that informs users to understand correction information

**5.3 Is the completion of this standard contingent upon the completion of another standard?** No

**5.4 Will this document contain a Purpose clause?**

This document will not include a purpose clause.

**5.5 Need for the project:**

Recently, smart home training is attracting attention due to COVID-19. For the same reason, more and more people are trying to learn dance, yoga, and taekwondo by themselves using streaming content such as YouTube. With this time trend, we intend to define an essential framework standard when providing content that can learn motions alone without a separate coach using motion recognition sensors.

**5.6 Stakeholders for the standard:**

Content Providers, Manufacturers, Local Governments, Constructors

# Section 6

**6.1 Intellectual Property:**

**A. Is the Sponsor aware of any copyright permissions needed for this project? *No***

**B. Is the Sponsor aware of possible registration activity related to this project? *No***

# Section 7

**7.1 Are there other standards or projects with a similar scope?** No

**7.2 Joint Development - Is it the intent to develop this document jointly with another organization?** No

**7.3 International Standards Activities**

**A. Adoptions - Is there potential for this standard to be adopted by another organization?:** No

**B. Harmonization - Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?** No

**7.4 Does the sponsor foresee a longer term need for testing and/or certification services to assure conformity to the standard?** Yes

**Additionally, is it anticipated that testing methodologies will be specified in the standard to assure consistency in evaluating conformance to the criteria specified in the standard?** No

# Section 8

**8.1 Additional Explanatory Notes:**

**8.2 IEEE Code of Ethics**

**I acknowledge that I have read and I understand the** [**IEEE Code of Ethics**](http://www.ieee.org/portal/pages/iportals/aboutus/ethics/code.html)

**I agree to conduct myself in a manner that adheres to the IEEE Code of Ethics when engaged in official IEEE business.**