

P2048.2

Submitter Email: yymedia@gmail.com
Type of Project: Modify Existing Approved PAR
PAR Request Date: 08-Feb-2019
PAR Approval Date: 21-Mar-2019
PAR Expiration Date: 31-Dec-2020
Status: Modification to a Previously Approved PAR
Root PAR: P2048.2 **Approved on:** 07-Dec-2016

1.1 Project Number: P2048.2
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Virtual Reality and Augmented Reality: Immersive Video Taxonomy and Quality Metrics

3.1 Working Group: Virtual Reality and Augmented Reality Working Group (CES/VRARSC/VRARWG)
Contact Information for Working Group Chair

Name: Yu Yuan
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Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Consumer Electronics Society/Virtual Reality and Augmented Reality Standards Committee (CES/VRARSC)

Contact Information for Sponsor Chair

Name: Yu Yuan
Email Address: yymedia@gmail.com
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Contact Information for Standards Representative

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3.3 Joint Sponsor: IEEE-SA Board of Governors/Corporate Advisory Group (BOG/CAG)

Contact Information for Sponsor Chair

Name: Charles Simpson
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Contact Information for Standards Representative

None

3.4 Joint Sponsor: IEEE Consumer Electronics Society/Standards Committee (CES/SC)

Contact Information for Sponsor Chair

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3.5 Joint Sponsor: IEEE Engineering in Medicine and Biology Society/Standards Committee (EMB/Std Com)

Contact Information for Sponsor Chair

Name: Carole Carey
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Contact Information for Standards Representative

None

3.6 Joint Sponsor: IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee (IES/IES)

Contact Information for Sponsor Chair

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Contact Information for Standards Representative

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4.1 Type of Ballot: Entity

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 11/2019

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 05/2020

5.1 Approximate number of entities expected to be actively involved in the development of this project: 20

5.2 Scope: This standard specifies the taxonomy and quality metrics for immersive video.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: This document will not include a purpose clause.

5.5 Need for the Project: Immersive video is an enabling technology behind many Virtual Reality (VR) applications in various vertical industries (e.g., media, entertainment, education, and tourism). Due to the rapid market growth recently, there have been many variants of immersive video which are different in several aspects: 360 degrees or 180 degrees, stereoscopic or not, view point movable or not, focus adjustable or not, etc. This project is needed to reduce the confusion among these variants as they are often simply called "VR video" in today's market. By dividing immersive video into different categories and levels, this standard could help end users choose the right products, facilitate the development of cross-platform content and services, and promote a healthy growth of the VR industry.

5.6 Stakeholders for the Standard: Device manufacturers, content providers, service providers, technology developers, end users and other parties that are relevant to Virtual Reality (VR) and immersive video

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

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

8.1 Additional Explanatory Notes: 3.2 SPONSORING SOCIETY AND COMMITTEE

The primary sponsor is changed from CES/SC to CES/VRARSC.

3.3 JOINT SPONSOR

The joint sponsors are updated as follows:

- EMB/Std Com

- IES/IES

- CES/SC

- BOG/CAG

Please keep the order as above if possible.

3.1 WORKING GROUP

The short name of the working group is changed from VRAR to VRARWG so the working group will look like

- Virtual Reality and Augmented Reality Working Group (CES/VRARSC/VRARWG)

4.2 EXPECTED DATE OF SUBMISSION OF DRAFT TO THE IEEE-SA FOR INITIAL SPONSOR BALLOT

The date is changed to Nov 2019

4.3 PROJECTED COMPLETION DATE FOR SUBMITTAL TO REVCOM

The date is changed to May 2020

Nothing else is modified from the existing Approved PAR.