**IEEE 2888 Working Group**

**Meeting Minutes June 28th ~ July 2nd, 2021**

Session #7 Meeting

Chair: Kyoungro Yoon

Secretary: Sangkwon Peter Jeong

Meeting minutes are Written by Sangkwon Peter Jeong

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Monday**  **(Jun. 28, 2021)** | **Tuesday**  **(Jun. 29, 2021)** | **Wednesday**  **(Jun. 30, 2021)** | **Thursday**  **(Jul. 1, 2021)** | **Friday**  **(Jul. 2, 2021)** |
| **AM-1**  **9:00-10:30a** |  | TG 2888.1 Meeting (Topic: Input contribution documents review) | TG 2888.4 Meeting  (Topic: Input contribution documents review) | TG 2888.1 Meeting  (Topic: Output Editing and Summary) |  |
| **AM-2**  **11:00-12:30** |  | TG 2888.2 Meeting  (Topic: Input contribution documents review) | TG 2888.4 Meeting  (Topic: Input contribution documents review) | TG 2888.4 Meeting  (Topic: Output Editing and Summary) |  |
| **PM-1**  **1:30 – 3:00p** | Open Plenary  Roll Call  Reviewing last meeting  minutes  (Introducing participants | TG 2888.3 Meeting  (Topic: Input contribution documents review) | TG 2888.3 Meeting  (Topic: Output Editing and Summary) | WG Meeting  (Topic:  TGs Summary) |  |
| **PM-2**  **3:30 – 5:00p** | WG Meeting  (Topic:  Future Schedule) | Joint TG  (TG.1, 2 & 3) | TG 2888.2 Meeting  (Topic: Output Editing and Summary) | WG Closing Plenary |  |

\*\*\* Default location: Grand Sumorum Hotel Conference Room B+C \*\*\*

\*\*\* Online Virtual Conference \*\*\*

## First Day PM1 (1:30pm-3:00pm), June 28, 2021: Jeju Sumorum Hotel

## IEEE 2888 WG Opening Plenary: Meeting is called to order at 1:30pm by Kyoungro Yoon, Chair of IEEE 2888 WG with opening notes

## Meeting is called to order at 1:30pm by Kyoungro Yoon, Chair of IEEE 2888 WG

## Roll Call

## Establish Quorum

## 10/10, quorum achieved

## IEEE 2888 Session #5 Opening Plenary Notes (2888-21-0001-00-0000- Session-6-WG-Opening-Plenary)

## All submitted documents can be found on https://ieee-sa.imeetcentral.com/2888-wg/

## Attendance procedures, logistics, breaks

## Duty to inform slides 1-4, etc.

## Request to make Intellectual Property declaration

## Introducing each attendant

## June 2021 Meeting Agenda (2888-21-0034-00-0000-Session #7-Agenda)

## Agenda bashing:

## Review meeting minutes of February 2021 (DCN: 2888-21-0032-00-0000-Session #6 WG Meeting minutes)

## Motion #1: Agenda confirm to approve the ‘2888-21-0034-01-0000-Session-#7-Agenda

## Motioned by: Sangkwon Peter Jeong

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Motion #2: Meeting minutes confirm of Fwbruary 2021 approve the ‘2888-21-0032-00-0000-Session #6 WG Meeting minutes’

## Motioned by: Sangkwon Peter Jeong

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Motion #3: Opening Plenary confirm to approve the ‘2888-21-0033-00-0000-Session #7 WG Opening Plenary

## Motioned by: Sangkwon Peter Jeong

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## First Day PM2 (3:30pm-5:00pm), June 28, 2021: Jeju Sumorum Hotel

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888 WG

## Present and discuss the ‘Proposal of New PAR for Virtual Object Visualization’

#### Youngmin Kim Presented “Proposal of New PAR for Virtual Object Visualization” (DCN 2888-21-0020-00-0000)

## Motion #4: Approve the ‘DCN 2888-21-0020-00-0000-Proposal of New PAR for Virtual Object Visualization’

## Motioned by: Sangkwon Peter Jeong

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For agree: 4

#### Against: 6

#### Abstentions: 0

#### Outcome: Fail

## Present and discuss the ‘Proposal of New PAR for Virtual Object Visualization’

#### Youngmin Kim Presented “Format of Deep Learning Network Training Dataset and Contents Streaming for Hologram Generation and Printing” (DCN 2888-21-0021-00-0000).

## Motion #5: Approve the ‘DCN 2888-21-0021-00-0000-Format of Deep Learning Network Training Dataset and Contents Streaming for Hologram Generation and Printing’

## Motioned by: Sangkwon Peter Jeong

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day2 AM1 (9:00am-10:30am), June 29, 2021: Jeju Sumorum Hotel

## Session called to order by Sang-Kyun Kim, Chair of IEEE 2888.1 TG

## Present & discuss the document ‘Trakers for a Large Space’

#### Sang-Kyun Kim presented “Trakers for a Large Space” (DCN 2888-21-0038-01-0001)

#### Discussed the JSON schema of tracking sensor data in the physical world

#### Discussed the additional data about relative coordination among unit, room, and physical object

#### Discussed adding messageTimeType into sensedDataBaseAttributes

## Motion #6 Approve the ‘DCN 2888-21-0038-01-0001-Trakers for a Large Space’

## Move: Changseok Yoon

## Second: Jeonghwoan Choi

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Input Devices for a Large Space VR Application’

#### Sang-Kyun Kim presented “Input Devices for a Large Space VR Application” (DCN 2888-21-0039-01-0001)

#### Discussed the JSON schema of input devices data in the physical world(button, dial, analog sensor, and haptic sensor)

#### Discussed the making the definition of analog sensor clear

#### Discussed adding not only data format for non-click dial but also data format for click dial

## Motion #7 Approve the ‘DCN 2888-21-0039-01-0001-Input Devices for a Large Space VR Application’

## Move: Changseok Yoon

## Second: Jeonghwoan Choi

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day2 AM2 (9:00am-10:30am), June 29, 2021: Jeju Sumorum Hotel

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888.2 TG

## Present & discuss the document ‘Root and Common Class for Actuator Interface’

#### Yegi Lee presented “Root and Common Class for Actuator” (DCN 2888-21-0022-01-0002)

#### Discussed the JSON-form root class for interfacing actuator command and common class (unit type, color type, location type) that can be used commonly in defining individual actuator types.

#### Discussed the semantic of activate element in root scheme type

#### Discussed the semantics of location type in common class type and the necessity revision of the semantics of location type.

## Motion #8 Approve the ‘DCN 2888-21-0022-02-0002-Root and Common Class for Actuator Interface’

## Move: Shin Kim

## Second: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Data Format for Sight Related Actuator’

#### Yegi Lee presented “Data Format for Sight Related Actuator” (DCN 2888-21-0023-01-0002)

#### Discussed the JSON-form data format of light actuator for interfacing actuator command.

#### Discussed the unit type of intensity element of light actuator and changed lux to percentage.

#### Discussed semantics of flashCommandData and deleted intensityUnit and frequencyUnit elements in the data format.

## Motion #9 Approve the ‘DCN 2888-21-0023-02-0002-Data Format for Sight Related Actuator’

## Move: Shin Kim

## Second: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Data Format for Olfactory Related Actuator’

#### Yegi Lee presented “Data Format for Olfactory Related Actuator” (DCN 2888-21-0024-01-0001)

#### Discussed JSON-form data format of scent actuator for interfacing actuator command and deleted intensityUnit element in semantics

## Motion #10 Approve the ‘DCN 2888-21-0024-02-0002-Data Format for Olfactory Related Actuator’

## Move: Shin Kim

## Second: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Data Format for Haptic Related Actuator’

#### Yegi Lee presented “Data Format for Haptic Related Actuator” (DCN 2888-21-0025-01-0002)

#### Discussed JSON-form data format of heating actuator, cooling actuator and vibration actuator for interfacing actuator command.

#### Discussed the necessity of new format data type(generic, combined, specific) for heating actuator and cooling actuator.

#### Discussed that intensityUnit element of viberation actuator should be removed and one of frequency and intensity should exist at least.

## Motion #11 Approve the ‘DCN 2888-21-0025-02-0002-Data Format for Haptic Related Actuator’

## Move: Shin Kim

## Second: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Data Format for Environmental Changing Related Actuator’

#### Yegi Lee presented “Data Format for Environmental Changing Related Actuator” (DCN 2888-21-0026-01-0002)

#### Discussed JSON-form data format of sprayer actuator, fog actuator, wind actuator and bubble actuator for interfacing actuator command.

#### Discussed that the semantics of bubble actuator should be revised about on/off command.

## Motion #12 Approve the ‘DCN 2888-21-0026-02-0002-Data Format for Environmental Changing Related Actuator’

## Move: Shin Kim

## Second: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day2 PM1 (1:30am-3:00pm), June 29, 2021: Jeju Sumorum Hotel

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888.3 TG

## Present & discuss the document ‘Base Data of Actuator Capability’

#### Yegi Lee presented “Base Data of Actuator Capability” (DCN 2888-21-0027-01-0002)

#### Discussed JSON-form base data format for describing actuator capabilities

#### Discussed that locater (Location Type) should be revised that it provides optionally, which can be provided in form of 3d vector or prewritten coordinate.

## Motion #13 Approve the ‘DCN 2888-21-0027-02-0002-Base Data of Actuator Capability’

## Move: Shin Kim

## Second: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Proposal for Defining the Requirements of Digital Synchronization Framework’

#### Changseok Yoon presented “Proposal for Defining the Requirements of Digital Synchronization Framework” (DCN 2888-21-0043-01-0003)

## Motion #14 Approve the ‘DCN 2888-21-0043-01-0003-Proposal for Defining the Requirements of Digital Synchronization Framework’

## Move: Sang-Kyun Kim

## Second: Yegi Lee

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Proposal for Complex Digital Objects of the Digital Twin Framework’

#### Changseok Yoon presented “Proposal for Complex Digital Objects of the Digital Twin Framework” (DCN 2888-21-0042-01-0003)

#### Discussed the necessity of complex digital objects to construct the digital twin framework

#### Discussed the criteria for the types of physical objects generated as the primitive digital objects.

#### Discussed the contents related to JSON Syntax of the proposed ‘complex digital object’

## Motion #15 Approve the ‘DCN 2888-21-0042-01-0003-Proposal for Complex Digital Objects of the Digital Twin Framework’

## Move: Sang-Kyun Kim

## Second: Yegi Lee

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Proposal for Behavior of the Digital Entity Associated with Physical Entity’

#### Tai-Gil Kwon presented “Proposal for Behavior of the Digital Entity Associated with Physical Entity” (DCN 2888-21-0044-01-0003)

#### Discussed the relationship between the command data described in IEEE2888.1/2 and the proposed ‘behavior’ in the Digital Entity

#### Discussed extended uses of the proposed ‘behavior’ in simulation and cyberworld in addition to the data collection/command control through interaction between physical thing and digital thing.

#### Discussed the necessity of use cases understandable at a glance related to the proposed ‘behavior’

#### Discussed the contents related to JSON Syntax of the proposed ‘behavior’

## Motion #16 Approve the ‘DCN 2888-21-0044-01-0003-Proposal for behavior of the digital entity associated with physical entity’

## Move: Sang-Kyun Kim

## Second: Yegi Lee

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day2 PM2 (3:30pm-5:30pm), June 29, 2021: Jeju Sumorum Hotel

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888.3 TG

## Present & discuss the document ‘Sight Related Actuator Capabilities’

#### Yegi Lee presented “Sight Related Actuator Capabilities” (DCN 2888-21-0028-01-0002)

#### Discussed JSON-form data format of light actuator capability, flash actuator capability for describing actuator capabilities.

#### Discussed that syntax and semantics of the actuator capabilities are appropriate.

## Motion #17 Approve the ‘DCN 2888-21-0028-02-0002-Sight Related Actuator Capabilities’

## Move: Shin Kim

## Second: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Olfactory Related Actuator Capability’

#### Yegi Lee presented “Olfactory Related Actuator Capability” (DCN 2888-21-0028-01-0002)

#### Discussed JSON-form data format of olfactory actuator capability for describing actuator capability

#### Discussed that the minItems element should be “1” at least.

#### Discussed that syntax and semantics of the actuator capabilities are appropriate.

## Motion #18 Approve the ‘DCN 2888-21-0029-02-0002-Olfactory related actuator capabilities’

## Move: Shin Kim

## Second: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Haptic Related Actuator Capabilities’

#### Yegi Lee presented “Haptic Related Actuator Capabilities” (DCN 2888-21-0030-01-0002)

#### Discussed JSON-form data format of heating actuator capability, cooling actuator capability, vibration capability for describing actuator capability

#### Discussed that numOfLevels element value should be “1” which means turning on and off.

#### Discussed that syntax and semantics of the actuator capabilities are appropriate.

## Motion #19 Approve the ‘DCN 2888-21-0030-02-0002-Haptic related actuator capabilities’

## Move: Shin Kim

## Second: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Environmental Change Actuator Capabilities’

#### Yegi Lee presented “Environmental Change Actuator Capabilities” (DCN 2888-21-0031-01-0000)

#### Discussed JSON-form data format of sprayer actuator capability, fog actuator capability, wind actuator capability, bubble actuator capability for describing actuator capability.

#### Discussed that numOfLevels element value should be “1” which means turning on and off.

#### Discussed that syntax and semantics of the actuator capabilities are appropriate.

## Motion #20 Approve the ‘DCN 2888-21-0031-02-0002-Environmental Change Actuator Capabilities’

## Move: Shin Kim

## Second: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Discussion with Marius Preda regarding Collaboration with JTC1 SC29 WG7

#### Dr. Marius Preda asked about the activities of IEEE 2888 and differences to MPEG-V and IoMT standard.

#### Decided to have liaison relationship with JTC1 SC29 WG7

#### Discussed JSON-form data format of sprayer actuator capability, fog actuator capability, wind actuator capability, bubble actuator capability for describing actuator capability.

## Day3 AM1 (9:00am-10:30am), June 30, 2021: Jeju Sumorum Hotel

## Session called to order by Jeonghwoan Choi, Chair of IEEE 2888.4 TG

## Present & discuss the document ‘Large Space VR Disaster Response Training System Architecture for IEEE P2888.4’

#### Jeonghwoan Choi presented “Large Space VR Disaster Response Training System Architecture for IEEE P2888.4” (DCN 2888-21-0035-01-0004)

## Motion #21 Approve the ‘DCN 2888-21-0035-01-0004-Large Space VR Disaster Response Training System Architecture for IEEE P2888.4’

## Move: HyeonWoo Nam

## Second: Sangkwon Peter Jeong

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Large Space VR Disaster Response Training System Framework for IEEE P2888.4’

#### Jeonghwoan Choi presented “Large Space VR Disaster Response Training System Framework for IEEE P2888.4” (DCN 2888-21-0036-01-0004)

## Motion #22 Approve the ‘DCN 2888-21-0036-01-0004-Large Space VR Disaster Response Training System Framework for IEEE P2888.4’

## Move: HyeonWoo Nam

## Second: Sangkwon Peter Jeong

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Large Space VR Disaster Response Training System Use Case for IEEE P2888.4’

#### Jeonghwoan Choi presented “Large Space VR Disaster Response Training System Use Case for IEEE P2888.4” (DCN 2888-21-0037-01-0004)

#### Discussed the overall flow of presentations on new airspace use cases related to defense training.

#### Discussed that the role of the treadmill in the new use case is not an actuator, but a sensor, and it is necessary to expand or organize the role of the actuator in the system architecture.

## Motion #23 Approve the ‘DCN 2888-21-0037-01-0004-Large Space VR Disaster Response Training System Use Case for IEEE P2888.4’

## Move: HyeonWoo Nam

## Second: Sangkwon Peter Jeong

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day3 AM2 (11:00am-12:30pm), June 30, 2021: Jeju Sumorum Hotel

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888.3 TG

## Present & discuss the document ‘IEEESTD-2888.3\_D0.1’

#### Kyoungro Yoon presented “IEEESTD-2888.3\_D0.1

#### Discussed the format and content structure of the draft P2888.3 and writing document template.

#### Discussed architecture an terms of 2888.3 (digital thing, digital object, virtual object)

## Motion #24 Approve the ‘DCN IEEE STD-2888.3\_D0.1’

## Move: Sangkwon Peter Jeong

## Second: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Session #7 2888.3 Meeting Summary’

#### Kyoungro Yoon presented “Session 7 2888.3 TG Meeting Summary” (DCN 2888-21-0049-01-0003)

#### Discussed how to produce the minutes of the 2888.3 TG, as in the future documents.

#### Discussed the plans written in the Next Agenda and whether it would be possible to design the structure of the standards during the next meeting.

## Motion #25 Approve the ‘DCN 2888-21-0049-00-0003-Session #7 2888.3 TG Meeting Summary’

## Move: Sangkwon Peter Jeong

## Second: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day3 PM1 (1:30pm-3:00pm), June 30, 2021: Jeju Sumorum Hotel

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888.2 TG

## Present & discuss the document ‘Evaluation method of VR/AR/MR/XR Training System’

#### Wonki Hong presented “Evaluation method of VR/AR/MR/XR Training System” (DCN 2888-21-0041-01-0000)

## Motion #26 Approve the ‘DCN 2888-21-0041-01-0000-Evaluation method of VR/AR/MR/XR Training System’

## Move: Sangkwon Peter Jeong

## Second: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day3 PM2 (3:30pm-5:30pm), June 30, 2021: Jeju Sumorum Hotel

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888.2 TG

## Present & discuss the document ‘IEEESTD-2888.2\_D0.1’

#### Kyoungro Yoon presented “IEEESTD-2888.2\_D0.1

#### Discussed the format and content structure of the draft P2888.2 and writing document template.

## Motion #27: Approve the ‘DCN IEEE STD-2888.2\_D0.1’

## Motioned by: Sangkwon Peter Jeong

## Seconded by: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day4 AM1 (9:00am-10:30am), July 1, 2021: Jeju Sumorum Hotel

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888 WG

## Present & discuss the document ‘Session #7 2888.2 TG Meeting Summary’

#### Kyoungro Yoon presented “Session 7 2888.2 TG Meeting Summary” (DCN 2888-21-0045-00-0002)

#### Discussed how to produce the minutes of the 2888.2 TG as in the future documents

#### Discussed the plans written in the Next Agenda that which data format should be revised during this meeting and new type actuator can be contributed in the next meeting.

## Motion #28: Approve the ‘DCN 2888-21-0045-01-0002-Session #7 2888.2 TG Meeting Summary’

## Motioned by: Sangkwon Peter Jeong

## Seconded by: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘2888.1 TG Meeting Summary’

#### Kyoungro Yoon presented “2888.1 TG Meeting Summary” (DCN 2888-21-0051-00-0001)

#### Discussed how to produce the minutes of the 2888.2 TG as in the future documents

#### Discussed the plans written in the Next Agenda that which data format should be revised during this meeting and new type actuator can be contributed in the next meeting.

## Motion #29: Approve the ‘DCN 2888-21-0051-00-0001-2888.1 TG Meeting Summary’

## Motioned by: Sangkwon Peter Jeong

## Seconded by: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day4 AM2 (11:00am-12:30pm), July 1, 2021: Jeju Sumorum Hotel

## Session called to order by Jeonghwoan Choi, Chair of IEEE 2888.4 TG

## Present & discuss the document ‘Definitions for IEEE 2888.4’

#### Jeonghwoan Choi presented “Definitions for IEEE 2888.4” (DCN 2888-21-0040-00-0004)

#### Discussed that when defining a term, it should be written in a short sentence so that the term used in the standard document should be omitted and the definition content may be substituted.

#### Discussed continuing to add definitions of terms necessary for the creation of standard documents.

## Motion #30 Approve the ‘DCN 2888-21-0040-00-0004-Definitions for IEEE 2888.4’

## Move: HyeonWoo Nam

## Second: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Present & discuss the document ‘Session #7 2888.4 Meeting Summary’

#### Jeonghwoan Choi presented “Session #7 2888.4 Meeting Summary” (DCN 2888-21-0048-01-0004)

#### Discussed how to produce the minutes of the 2888.4 TG, as in the future documents.

#### Discussed the plans written in the Next Agenda and whether it would be possible to design the structure of the standards during the next meeting.

## Motion #31 Approve the ‘DCN 2888-21-0048-00-0004-Session #7 2888.4 TG Meeting Summary’

## Motioned by: Sangkwon Peter Jeong

## Seconded by: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day4 PM1 (1:30pm-3:00pm), July 1, 2021: Jeju Sumorum Hotel

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888 WG

## Review the document ‘Session #7 Agenda’

#### Kyoungro Yoon presented “Session #7 Agenda” (DCN 2888-21-0034-02-0000)

## Motion #32: Approve the ‘DCN 2888-21-0034-02-0000- Session #7 Agenda’

## Motioned by: Sangkwon Peter Jeong

## Seconded by: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Review & discuss on the document ‘Liaison Request Letter to JTC1 SC29 WG7’

#### Kyoungro Yoon presented “Liaison Request Letter to JTC1 SC29 WG7” (DCN 2888-21-0053-00-0003)

## Motion #33: Approve the ‘DCN 2888-21-0053-00-0000-Liaison Request Letter to JTC1 SC29 WG7’

## Motioned by: Sangkwon Peter Jeong

## Seconded by: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Review & discuss on the document ‘Proposal of New PAR for Evaluation Method of VR Training System’

#### Sang-Kyun Kim presented “Proposal of New PAR for Evaluation Method of VR Training System” (DCN 2888-21-0054-01-0000)

## Motion #34: Approve the ‘DCN 2888-21-0054-01-0000-Proposal of New PAR for Evaluation Method of VR Training System’

## Motioned by: Jeonghwoan Choi

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day4 PM2 (3:30pm-5:00pm), July 1, 2021: Jeju Sumorum Hotel

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888 WG

## Review & discuss on the document ‘Session #7WG Closing Plenary’

#### Kyoungro Yoon presented “Session-#7 WG Closing Plenary” (DCN 2888-21-0052-00-0000)

## Motion #35: Approve the ‘DCN 2888-21-0052-00-0000-Session #7 WG Closing Plenary’

## Motioned by: Sang-Kyun Kim

## Seconded by: Changseok Yoon

#### Motion Vote:

#### For agree: 10

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Adjourn

## Attendees

|  |  |
| --- | --- |
| Name | Affiliation |
| Kyoungro Yoon | Konkuk University |
| Sang-Kyun Kim | Myoungji University |
| Sangkwon Peter Jeong | JoyFun Inc. |
| HyeonWoo Nam | Dongduk Women’s University |
| Jeonghwoan Choi | SKONEC ENTERTAINMENT CO LTD., |
| Changseok Yoon | Korea Electronics Technology Institute (KETI) |
| Shin Kim | Konkuk University |
| Yegi Lee | Konkuk University |
| Eunji Choi | Konkuk University |
| Misuk Lee | ETRI |
| Tai Gil Kwon | Korea Electronics Technology Institute (KETI) |
| Tae-Beom Lim | Korea Electronics Technology Institute (KETI) |
| Youngmin Kim | Korea Electronics Technology Institute (KETI) |
| Min Hyuk Jeong | Myoungji University |
| Hoe Yong Jin | Myoungji University |
| JaeYoung Kim | SKONEC ENTERTAINMENT CO LTD., |
| KwangHyun Ro | HanSung Univ. |
| Jihoon Oh | TTA |
| YoungSun Lim | TTA |
| Seung-Kyoin Jo | ETRI |
|  |  |