**IEEE 2888.1 Task Group**

**Meeting Minutes October 18th ~ 22nd, 2021**

Session #8 2888.1 TG Meeting, Seoul Plenary Meeting

Chair: Sang-Kyun Kim

Editor & Secretary: Min Hyuk Jeong

## Day2 AM1 (9:00am-10:30am), October 19, 2021: Seoul Plenary Meeting

## Session called to order by Sang-Kyun Kim

## Present & discuss the document ‘Glove Sensor for the Large Space VR Training System’

#### Sang-Kyun Kim presented “Glove Sensor for the Large Space VR Training System” (DCN 2888-21-0062-00-0001)

#### Discussed the JSON schema, semantics, examples of glove sensor data in the physical world

#### Shall extend “sensedInfoBaseAttributes”. The syntax, semantics, and examples shall be corrected accordingly

## Motion #1: Approve the ‘DCN 2888-21-0062-00-0001-Glove Sensor for the Large Space VR Training System’

## Motioned by: Min Hyuk Jeong

## Seconded by: Changseok Yoon

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Present & discuss the document ‘IMU Sensor for the Large Space VR Training System’

#### Sang-Kyun Kim presented “ IMU Sensor for the Large Space VR Training System” (DCN 2888-21-0063-00-0001)

#### Discussed the JSON schema, semantics, examples of IMU sensor data in the physical world

#### Shall extend “sensedInfoBaseAttributes”. The syntax, semantics, and examples shall be corrected accordingly

#### The semantics and syntax of the quaternion are incorrect. A proper correction will be provided

## Motion #2: Approve the ‘DCN 2888-21-0063-00-0001-IMU Sensor for the Large Space VR Training System’

## Motioned by: Min Hyuk Jeong

## Seconded by: Changseok Yoon

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Present & discuss the document ‘Rigidbody Sensor for the Large Space VR Training System’

#### Sang-Kyun Kim presented “Rigidbody Sensor for the Large Space VR Training System” (DCN 2888-21-0064-00-0001)

#### Discussed the JSON schema, semantics, examples of rigidbody sensor data in the physical world

#### Shall extend “sensedInfoBaseAttributes”. The syntax, semantics, and examples shall be corrected accordingly

#### The semantics and syntax of the quaternion are incorrect. A proper correction will be provided

## Motion #3: Approve the ‘DCN 2888-21-0064-00-0001-Rigidbody Sensor for the Large Space VR Training System’

## Motioned by: Min Hyuk Jeong

## Seconded by: Changseok Yoon

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Present & discuss the document ‘Syntax and Semantics of Bend Sensor’

#### Sang-Kyun Kim presented “Syntax and Semantics of Bend Sensor” (DCN 2888-21-0065-00-0001)

#### Discussed the JSON schema, semantics, examples of bend sensor data

#### Shall extend “sensedInfoBaseAttributes”. The syntax, semantics, and examples shall be corrected accordingly

## Motion #4: Approve the ‘DCN 2888-21-0065-00-0001-Syntax and Semantics of Bend Sensor’

## Motioned by: Min Hyuk Jeong

## Seconded by: Changseok Yoon

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Present & discuss the document ‘Syntax and Semantics of Microphone Sensor Capabilities’

#### Sang-Kyun Kim presented “Syntax and Semantics of Microphone Sensor Capabilities” (DCN 2888-21-0066-00-0001)

#### Discussed the JSON schema, semantics, examples of microphone sensor capability data

#### The minor editorial correction shall be provided (e.g., sensorCapabilityBaseType 🡪 sensorCapabilityBaseData)

## Motion #5: Approve the ‘DCN 2888-21-0066-00-0001-Syntax and Semantics of Microphone Sensor Capabilities’

## Motioned by: Min Hyuk Jeong

## Seconded by: Changseok Yoon

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Present & discuss the document ‘Syntax and Semantics of Bend Sensor Capabilities’

#### Sang-Kyun Kim presented “Syntax and Semantics of Bend Sensor Capabilities” (DCN 2888-21-0067-00-0001)

#### Discussed the JSON schema, semantics, examples of bend sensor capability data

#### The minor editorial correction shall be provided (e.g., sensorCapabilityBaseType 🡪 sensorCapabilityBaseData)

## Motion #6: Approve the ‘DCN 2888-21-0067-00-0001-Syntax and Semantics of Bend Sensor Capabilities’

## Motioned by: Min Hyuk Jeong

## Seconded by: Changseok Yoon

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Day2 AM1 (9:00am-10:30am), October 20, 2021: Seoul Plenary Meeting

## Session called to order by Sang-Kyun Kim

## Present & discuss the document ‘Syntax and Semantics of Biosensor Capabilities’

#### Sang-Kyun Kim presented “Syntax and Semantics of Biosensor Capabilities” (DCN 2888-21-0068-00-0001)

#### Discussed the JSON schema, semantics, examples of biosensor capability data

#### The minor editorial correction shall be provided (e.g., sensorCapabilityBaseType 🡪 sensorCapabilityBaseData)

## Motion #7: Approve the ‘DCN 2888-21-0068-00-0001-Syntax and Semantics of Biosensor Capabilities’

## Motioned by: HyeonWoo Nam

## Seconded by: Sangkwon Peter Jeong

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Present & discuss the document ‘Application Programming Interfaces for Smart Biosensors’

#### Sang-Kyun Kim presented “Application Programming Interfaces for Smart Biosensors” (DCN 2888-21-0069-00-0001)

#### Discussed the application programming interfaces of smart biosensors

#### Due to the possible delay of biosensor data delivery, modify data format structure, e.g., the syntax to include a URL and a return time, when it is asynchronous

## Motion #8: Approve the ‘DCN 2888-21-0069-00-0001-Application Programming Interfaces for Smart Biosensors’

## Motioned by: HyeonWoo Nam

## Seconded by: Sangkwon Peter Jeong

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Present & discuss the document ‘Application Programming Interfaces for Location and Position Related Smart Sensors’

#### Sang-Kyun Kim presented “Application Programming Interfaces for Location and Position Related Smart Sensors” (DCN 2888-21-0070-00-0001)

#### Discussed the application programming interfaces of location and position related smart sensors

#### Due to the possible delay of biosensor data delivery, modify data format structure, e.g., the syntax to include a URL and a return time, when it is asynchronous

#### The semantics and syntax of the quaternion are incorrect. A proper correction will be provided

## Motion #9: Approve the ‘DCN 2888-21-0070-00-0001-Application Programming Interfaces for Location and Position Related Smart Sensors’

## Motioned by: HyeonWoo Nam

## Seconded by: Sangkwon Peter Jeong

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Present & discuss the document ‘Application Programming Interfaces for Environment-Related Smart Sensors’

#### Sang-Kyun Kim presented “Application Programming Interfaces for Environment-Related Smart Sensors” (DCN 2888-21-0071-00-0001)

#### Discussed the application programming interfaces of environment-related smart sensors

#### Due to the possible delay of biosensor data delivery, modify data format structure, e.g., the syntax to include a URL and a return time, when it is asynchronous

## Motion #10: Approve the ‘DCN 2888-21-0071-00-0001-Application Programming Interfaces for Environment-Related Smart Sensors’

## Motioned by: HyeonWoo Nam

## Seconded by: Sangkwon Peter Jeong

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Present & discuss the document ‘Application Programming Interfaces for Sensors for Large Space VR Training System’

#### Sang-Kyun Kim presented “Application Programming Interfaces for Sensors for Large Space VR Training System” (DCN 2888-21-0080-00-0001)

#### Discussed the application programming interfaces of sensors for large space VR training systems

#### The semantics and syntax of the quaternion are incorrect. A proper correction will be provided

## Motion #11: Approve the ‘DCN 2888-21-0080-00-0001-Application Programming Interfaces for Sensors for Large Space VR Training System’

## Motioned by: HyeonWoo Nam

## Seconded by: Sangkwon Peter Jeong

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Day2 AM2 (11:00am-12:30pm), October 20, 2021: Seoul Plenary Meeting

## Session called to order by Sang-Kyun Kim

## Present & discuss the document ‘Semantics of unitTypes for Environment-Related Sensors’

#### Tai Gil Kwon presented “Semantics of unitTypes for Environment-Related Sensors” (DCN 2888-21-0072-00-0001)

#### Discussed the 'unitType' for environment-related sensors

#### The minor editorial correction will be provided, such as the capitalization and fonts

## Motion #12: Approve the ‘DCN 2888-21-0072-00-0001-Semantics of unitTypes for Environment-Related Sensors’

## Motioned by: Jeonghwoan Choi

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Present & discuss the document ‘Data Formats for Additional Environment-Related Sensors’

#### Tai Gil Kwon presented “Data Formats for Additional Environment-Related Sensors” (DCN 2888-21-0078-00-0001)

#### Discussed the data format for additional environment-related sensors

#### The minor editorial correction will be provided, such as the capitalization and fonts

#### Shall extend “sensedInfoBaseAttributes”. The syntax, semantics, and examples shall be corrected accordingly

## Motion #13: Approve the ‘DCN 2888-21-0078-00-0001-Data Formats for Additional Environment-Related Sensors’

## Motioned by: Jeonghwoan Choi

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Present & discuss the document ‘Syntax and Semantics of Environment-Related Sensor Capabilities’

#### Tai Gil Kwon presented “Syntax and Semantics of Environment-Related Sensor Capabilities” (DCN 2888-21-0079-00-0001)

#### Discussed the syntax and semantics for additional environment-related sensors

#### The minor editorial correction will be provided, such as the capitalization and fonts

## Motion #14: Approve the ‘DCN 2888-21-0079-00-0001-Syntax and Semantics of Environment-Related Sensor Capabilities’

## Motioned by: Jeonghwoan Choi

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## Day3 AM1 (09:00am-10:30pm), October 21, 2021: Seoul Plenary Meeting

## Present & discuss the document ‘IEEESTD-2888.1\_D0.5.doc’

#### Sang-Kyun Kim presented “IEEESTD-2888.1\_D0.5.doc”

#### Discussed the text of the working draft of 2888.1

## Motion #15: Approve the ‘DCN 2888-21-0079-00-0001-Syntax and Semantics of Environment-Related Sensor Capabilities’

## Motioned by: Shin Kim

## Seconded by: Jeonghwoan Choi

#### Motion Vote:

#### For Agree: 10

#### Against: 00

#### Abstention: 00

#### Outcome: Pass

## 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 |
| Misuk Lee | ETRI |
| Tai Gil Kwon | Korea Electronics Technology Institute (KETI) |
| Min Hyuk Jeong | Myoungji University  |
| Cheol Ryu | ETRI |