



INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE 100: AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT

Draft minutes of stage 0 project PT100-10: Wearable systems and equipment

Date & Time: 2016-5-23, 8:00 am - 10:00 am

Place: Room Gallery, Austrian Electrotechnical Association, Vienna Austria

Agenda:

1. Roll call of participants and self-introduction
2. Approval of Agenda
3. SS8 Report to AGM Minsk
4. Report of SG10 Smart Wearable Devices (T. Ezaki)
5. Update Use Case Study of Japan NC (J. Yoshio)
6. DTS energy harvesting (J. Yoshio)
7. Update wearable standardization activities in other regions (V. Lancaster, All)
8. Stage 0 Project Wearables user comfort and evaluation (U. Haltrich)
9. Use Case Template (U. Haltrich)
10. JTC 1 Wearables trend report (K. Grant)
11. NP for hearing support function (J. Yoshio)
12. Recommendations
13. End of meeting

2. Approval of Agenda

Approved.

3. SS8 Report to AGM Minsk

Clarified draft NP on hearing support function and DTS on energy harvesting.

As the next steps the Co-PL will,

1. Develop appropriate use case template
2. Collect use cases, and put existing use cases in template
3. Cluster use cases such as AAL or in car
4. Identify standardization items after next AGS meeting

All action items completed from Minsk meeting.

4. Report of SG10 Smart Wearable Devices (T. Ezaki)

Ezaki-san reported SG 10 latest activities. Last f2f meeting was held in March in the US. The terminology was discussed and consensus was reached. The inventory of standards identified gaps and electronic textiles seems to be a gap. Discussion about new TC and Korea NC member want new TC to cover all WSD aspects, but many other TCs have interest in area. Ongoing work will be covered by existing TCs who are working in the area. At the next meeting in June, the proposal for new TC will be finalized and also a roadmap will be developed. The final report to SMB's October meeting will be prepared by August. It was pointed out that the new TC should also have a coordination function in relation to ongoing work in existing TCs.

Action: potentially SS8 upload Raleigh wearables workshop slides to Collaboration Tools

5. Update Use Case Study of Japan NC (J. Yoshio)

Yoshio-san reported that two working groups have been established in JEITA.

1. WG: WSD defined as IoT sensor and I/O device
 - Data suitable for WSD
 - Communication and broadcasting capable WSD

2. WG: SS8 mirror group: WSD information and data; WSD communication and WSD element and device
3 use cases provided
Nurse and caring facility – AAL application
Car drivers – driver management system eg health status etc
Augmented Reality (include industrial smart glasses application)

Action: progress report of WG 1 related to IoT will be reported at next SS 8 and AGS meeting in Frankfurt

Action: update all use cases to latest template v. 0.9

Kate noted that use cases may be used to justify new work items and use cases should be listed as annex to NP.

Ulrike mentioned that use cases template has a section on referenced standards. The SG 10 inventory may be used to find existing standards and potentially lead to identifying gaps in standards.

Zhao Xiaoying/China noted that there is a need to have a common way to measure performance of WSDs, and wellness devices relevant to medical diagnosis. Test methods are needed to evaluate the performance and compare devices.

Ezaki-san mentioned in TC 100 currently there is no new TA planned on WSD; WSD will remain AGS study session.

Zhao also noted that cycle helmets may have location and other sensors, but do not have adequate safety performance measures etc; this may be new area of work to evaluate performance and safety.

6. DTS energy harvesting (J. Yoshio)

Power supplying scheme for wearable systems and equipment draft text for DTS presented. 3 week for comments of SS 8 and English check and then Japan NC will submit to IEC CO (by 24th June).

Action: SS 8 members to send comments to Yoshio-san by 24 June 2016.

7. Update wearable standardization activities in other regions (V. Lancaster, All)

Veronica has provided a detailed report from CTA activities. SS 8 members are encouraged to study the report.

8. Stage 0 Project Wearables user comfort and evaluation (U. Haltrich)

Ulrike reported that the stage 0 project PT 100-13 was established. Pekka provided a list of comfort aspects related to WSD and smart textiles. Market and initial comfort aspects from Raleigh wearables workshop were presented. Komachi-san noted that energy harvesting should be contained in potential DTR.

Action: Need to define scope of potential DTR and discuss at next meeting in Frankfurt.

Action: from China Zhao Xiaoying will join the PT 100-13 team

9. Use Case Template (U. Haltrich)

Latest version v. 0.9 of use case template was shared.

10. JTC 1 Wearables trend report (K. Grant)

Kate presented the JTC 1 Wearables Trend Report update for information.

11. NP for hearing support function (J. Yoshio)

NP for hearing support function is allocated to TA 16 and will be discussed there.

12. Recommendations

It is requested to have a 3 hour meeting for SS 8 in Frankfurt.

Summary of Action Items

Action: potentially SS8 upload Raleigh wearables workshop slides to Collaboration Tools (Ezaki-san)

Action: progress report of WG 1 related to IoT will be reported at next SS 8 and AGS meeting in Frankfurt (Yoshio)

Action: update all use cases to latest template v. 0.9 (Ulrike, Yoshio)

Action: SS 8 members to send comments on DTS energy harvesting to Yoshio-san by 24 June 2016.

Action: Need to define scope of potential DTR user comfort and discuss at next meeting in Frankfurt (PT 100-13 team)

Action: from China Zhao Xiaoying will join the PT 100-13 team (Zhao Xiaoying)

Attendees:

Ulrike Haltrich	Co-chair	Germany
Junichi Yoshio	Co-chair	Japan
Shuji Hirakawa	SMB	Japan
Yoshi Narui	TA10 TS	Japan
Shin Eguchi	TA14 TAM	Japan
Kate Grant	TA16 TAM	UK
Jon Fairhurst	TA12 TAM	US
Yuu-Joe Won	TA15 PL	Korea
So-Hyun Gil	Observer	Korea
Zhao Xiaoxing	Observer	China
Zhang Subing	AGS member	China
David Felland	TC100 Chair	US
Tadashi Ezaki	TC100 TS	Japan
Yusi Komachi	AGS Chair	Japan
Masatake Sakuma	TC100 ATS	Japan
Pekka Talmola	AGS member	Finland
Kwang-Soon Choi	TA4 TS	Korea
Jae-Young Lee	TA4 TAM	Korea