Home Appliances & Entertainment (HAE) Service Framework

Weekly Technical Meeting – July 9, 2015

Agenda

1. Open Point No. 8 : "EmitsChangedSignal" annotation
2. Open Point No. 11 : "Secure" annotation
3. Open Point No. 12 : New namespace structure
4. Open Point No. 21 : Error messages
5. Temperature Representation and Its Unit

Attendees

Name	Company
Inhwan Choi	LGE
Wonchul Choi	LGE
Seungchul Han	LGE
Stefano Toppan	Electrolux
Mauro Taiariol	Electrolux
Lu Xiaoqiang	Haier
Yoshinori Nagai	Sharp
Tomoki Ogawa	Panasonic
Shigeki Nakamura	Sony
Takeshi Oishi	Sony
Koji Tsukaya	Sony
Patrick Gonia	Honeywell
David Kaufman	Honeywell
Mike Finch	Lowes
Burcak Aytkin	Arcelik
Mirko Lindner	Vodafone
Ivo Buljevic	Vodafone

Meeting Notes

1. Approve Minutes from Previous Meeting

   A. All members approved the minutes from previous meeting.

2. Open Point No. 8 : "EmitsChangedSignal" annotation

   A. Inhwan Choi introduced Mike Finch's proposed resolution.

      i. We close the issue in general, and if there is a specific interface we are concerned about we should review that interface and discuss how to handle it. At the very least, the IRB should be included in those discussions.

   B. Members commented that we should check the RepresentedTemperature, RepresentedHumidity and RepresentedAirQualityLevel interface.

   C. All members agreed to handle this issue on a case-by-case basis.

3. Open Point No. 11 : "Secure" annotation

   A. Inhwan Choi introduced Tomoki Ogawa's proposed resolution.

      i. By default, set the security annotation to "True" for every HAE interface.

   B. All members agreed with proposed resolution.

   C. Mauro Taiariol commented that we have to take as reference Security 2.0 for our HAE Service Framework.

   D. Inhwan Choi commented that if security annotation is true, Security 1.0 and 2.0 will be applied.

4. Open Point No. 12 : New namespace structure

   A. Inhwan Choi introduced updated namespace structure and Stefano's opinion of removing "Management".

   B. Inhwan Choi commented that it is better to use noun as a namespace and he edited namespace names and interface names reflecting members' opinions.

      i. Namespace: OperationalManagement → Operation

      ii. Namespace: EntertainmentManagement → Entertainment

      iii. Interface: OperationalTime → Time

      iv. Interface: OperationalControl → Control

      v. Namespace: Environmental → Environment

   C. Inhwan Choi pointed out the Common interface under the "Device" namespace and members suggested moving the Common interface under the "SmartSpaces" namespace.

   D. Members commented that we have to align with the other projects of smart spaces working group

   E. Inhwan Choi answered that we should ask other members how they think about our proposed namespaces. He said he will again send an email to Smart Spaces WG chair and other members to get their feedbacks.

   F. Members suggested contacting with John Cameron who is a chair of the Smart Space working group.

G. Inhwan Choi will ask other members of the Smart Spaces working group our new namespace.

H. Inhwan Choi suggested changing the name of VolumeControl interface to "Volume".

I. All members approved the updated namespaces and Inhwan Choi requested to change the Interface name and error message name according to the updated table.

5. Open Point No. 21 : Error messages

   A. All members agreed with the proposed solution.

      i. Rather than defining DefaultLanguage and SupportedLanguages properties and 'LanguageNotSupported' error message in each HAE interface requiring those definitions, use the error message org.alljoyn.Error.LanguageNotSupported along with DefaultLanguage and SupportedLanguages fields of About data instead.

   B. Stefano Toppan explained summary of error messages.

   C. Members agreed to use "org.alljoyn.Error.FeatureNotAvailable" instread of "org.alljoyn.Hae.Error.NotSupported".

   D. Members agreed to keep "org.alljoyn.Hae.Error.NotAcceptableDueToInternalState".

   E. All members agreed with Stefano's proposal.

6. Temperature Representation and its Unit

   A. Inhwan Choi introduced opinions from the IRB

   B. Members checked the unit section of the IRB guidelines v1.0.

   C. Inhwan Choi suggested keeping our current temperature representation that is already in compliance with IRB guidelines.

   D. Patrick Gonia commented that he preferred the ZigBee representation.

   E. Mike Finch commented that the ZigBee representation is also aligned with the IRB Guideline in terms of integer value and fixed exponent.

   F. Inhwan Choi commented that personally he preferred ZigBee representation because the significant and exponent expression can have too many combinations for the same value. So if we use fixed exponent, we can handle the precision errors more easily.

   G. Mike Finch asked the reason of dropping the min/max value.

   H. Inhwan Choi answered that most home appliance sensors have no capability to measure the min/max range information.

   I. Inhwan Choi commented that we continue our discussion online and make a quick decision at the next weekly call.

   J. Mauro Taiariol commented that this is not limited to only temperature, and thus we should consider consistent fixed-point representation of energy usage, temperature and other sensor data.

   K. Patrick Gonia asked to summarize the remaining schedule.

   L. Inhwan Choi summarized the schedule.

      i. Finish internal review of interfaces – Just before July 23rd meeting

        ii.   Submit interface definition - Just after July 23th meeting.

        iii.   IRB Review & Approval – Until end of August (possibly, but not realistic)

M. Inhwan Choi pointed out that standard cycles are missing in the washer device interface, which are provided by LG team during the last F2F meeting and asked Electrolux and other members how they reviewed the proposed standard washing cycle programs.

N. Electrolux team and Inhwan Choi agreed to discuss the standard cycles of the washing machine via e-mail.

Action Items

1. Discuss on the general open point. (All members)

2. Ask smart spaces working group members about our new namespaces structure. (Inhwan Choi)

Next Meeting Agenda

1. Approve minutes from previous meeting

2. Remaining open points

3. Temperature Representation and its Unit

4. Oven cycles and preheating