

# ***Home Appliances & Entertainment (HAE) Service Framework***

***Weekly Technical Meeting – October 28, 2015***

## ***Agenda***

1. Resolve IRB Comments
2. Next Agenda Items

## ***Attendees***

<b><i>Name</i></b>	<b><i>Company</i></b>
Inhwan Choi	LGE
Seungchul Han	LGE
Chanhun Jeon	LGE
Stefano Toppan	Electrolux
Mauro Taiariol	Electrolux
Yoshinori Nagai	Sharp
Patrick Gonja	Honeywell
Mike Finch	Lowe's

## Meeting Notes

### 1. Resolve IRB Comments

#### A. TargetTemperature: multiple instances of the same interface

- i. Inhwan Choi explained 3 rules of this issue.
  1. limit the use of predefined bus object names to only the case of multiple instances of that interface.
  2. force the bus object path to be the leaf (that means no child object is allowed under the bus object path.)
  3. require that there should be no other interfaces implemented except the interface of interest under the bus object.
- ii. Mike and Steve concerned that rule 3 might be excessive through email discussion.
- iii. Mauro Taiariol commented that he accepted the approach that provides the fixed name of object path in his previous email, and he believed the vocabulary of object path naming should be defined.
- iv. Stefano Toppan commented that we can define the functionality name of thermostat such as cool/heat but it is difficult to describe all positions of the heating zone
- v. Inhwan Choi suggested adding a property that indicates heat/cool in the TargetTemperature interface rather than defining bus naming convention because it seems to be not easy to generalize the bus naming convention.
- vi. Patrick Gonja concerned that various cooktop might have various configuration of cooking spots and he commented cool and heat temperature naming is obvious in the thermostat.
- vii. Members concerned and discussed about representing position of multiple instances.
  1. Bus naming convention VS Adding a property to indicate the functionality or positioning
- viii. Inhwan Choi commented that the difficulty of communicating the position information is not relevant with bus naming convention vs adding a property discussion. The vocabulary itself is the source of difficulty.
- ix. Members reached a consensus that they try to define vocabulary for heat and cool first and Mike Finch will take a lead to define vocabulary of the thermostat in the theory of operation document.

#### B. EnergyUsage: EmitsChangedSignal

- i. Mike Finch explained about the security concern of frequently changing value and proposed a solution which defines the amount of update using precision property.
- ii. Inhwan Choi asked other members to review Mike's proposal and consider extending this approach to other interfaces.
- iii. Members discussed about a possibility of configuration for these precisions and some members concerned the case where a lot of clients want to change differently. Members decided to continue this discussion online.

### 2. Next Agenda Items

- A. Inhwon Choi suggested that members don't discuss interface definitions anymore through weekly meeting and resolve the remaining items through the gerrit review process and email discussions because he believes IRB review is almost done. Instead he suggested getting started to prepare the code implementation in our weekly meeting.
- B. Patrick Gonias expressed that there are some important items that need to be discussed during weekly meetings.
- C. Inhwon Choi responded that we should put the first priority on the code implementation discussions and minimize discussions on the interface definitions. But if there are so important items that need to be discussed during the weekly meetings, we can consume our weekly meeting time for those discussions.
- D. Members agreed.

### ***Action Items***

- 1. Provide a text for the bus naming convention for the heat/cool target temperature for inclusion to the theory of operation document. (Lowe's)
- 2. Review IRB comments and submit updates to HAE gerrit. (All)
- 3. Review HLD document. (All)

### ***Next Meeting Agenda***

- 1. Approve minutes from previous meeting
- 2. Review HLD document
- 3. Resolve IRB comments if time allows.