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**HAE Service Framework –
Weekly Technical Meeting**

September 3, 2015

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Agenda

1. Approve Minutes from Previous Meeting
2. Update Project Milestones
3. Resolve IRB Comments

Update Project Milestones

Milestone	Date	Comments
Draft Interface Definitions	Jul. 24, 2015	Done
IRB Approval of Interface Definitions	Oct. 16, 2015	Before the AllSeen Summit ☺
High-Level Design (HLD) Document	Nov. 27, 2015	
Foundational Code Implementations for Linux <ul style="list-style-type: none"> - C for Thin Client (Controllee) - C++ for Standard Client (Controllee/Controller) 	Feb. 25, 2016	
Reference Controller Apps for Mobile <ul style="list-style-type: none"> - Android and possibly iOS Device Emulators	Apr. 29, 2016	Device Emulators are needed for project internal verification, golden units for certification and 3 rd party controller app. developers.
Initial Release <ul style="list-style-type: none"> - V16.04 Core based verification - Documentations 	May 27, 2016	v16.04 Core release + 1 month
IP Review Test Suite Development <ul style="list-style-type: none"> - Test Case Specs and Test Code 	Jul. 29, 2016	To become an official component of the Base Implementation, TSC review and then 30 day IP review by Board are required.
Certification Launch <ul style="list-style-type: none"> - C&C Review and Validation of Test Suite - Documentations 	Aug. 26, 2016	

Resolve IRB Comments (1/4)

- Refrigeration appliances.
 - Make just one interface for Freezer and Refrigerator, e.g. `org.AllJoyn.SmartSpaces.Refrigeration`.
 - They are very similar and Device type is already specified by the About field
- Clothes Washer and Dryer.



Resolve IRB Comments (2/4)

- Device Type : Generic vs Specific
 - Based on today's discussion, let's update the list of device types (or device classes)

	Generic	Specific
Pros	<ul style="list-style-type: none">▪ Better extensibility or flexibility.<ul style="list-style-type: none">- HAE needs to be extended to cover small devices such as door lock, power switch, siren, and various sensors, etc.- Less minimum requirements will allow for manufacturers to innovate new products that would be classified as a certain device type without the needs to implement the functionality that is unnecessary for their innovation.	<ul style="list-style-type: none">▪ Better interoperability.<ul style="list-style-type: none">- Better distinctions between device types.- Easy to impose minimum required interfaces to be mandatorily implemented for each device type.
Cons	<ul style="list-style-type: none">▪ More likelihood of being contrary to the consumer's expectations.▪ More likelihood of poor interoperability.	<ul style="list-style-type: none">▪ The list will need to be continually updated.▪ It will be a problem for developers of controller apps that want to keep their apps working with new devices.▪ It will impede development of new creative products as manufacturers wait for new device types to be added to the list.

Resolve IRB Comments (3/4)

As Is (Specific)	To Be ? (Generic)
AirConditioner (OperationalMode)	HeatControlDevice (or HVAC ?)
Thermostat (OperationalMode)	
ElectricFan (<i>Empty</i>)	
AirQualityMonitor (<i>Empty</i>)	Sensor
AirPurifier (TurboMode)	AirPurifier
Humidifier (<i>Empty</i>)	HumidityControlDevice
Dehumidifier (OperationalMode)	
ClothesWasher (Cycle Operation, SpinSpeedLevel, SoilLevel)	
ClothesDryer (Cycle Operation)	LaundryDevice (or ClothesWasherDryer ?)
ClothesWasherDryer (Cycle Operation, SpinSpeedLevel, SoilLevel)	
DishWasher (Cycle Operation)	
Refrigerator (RapidMode)	Refrigerator
Freezer (RapidMode)	
IceMaker (Cycle Operation)	IceMaker
Oven (Cycle Operation)	Oven
CookTop (HeatingZone ...)	CookTop
CookerHood (AirFlowExtractionMode)	CookerHood
FoodProbe (InsertionStatus)	No device type, but FoodProbeStaus interface ?
RobotCleaner (Cycle Operation, TurboMode, RepeatMode)	RobotCleaner
Television (<i>Empty</i>)	BroadcastReceiver
SetTopBox (<i>Empty</i>)	

Resolve IRB Comments (4/4)


- Discard Mouse and VirtualKey. Instead, submit a wrapper interface of the linux user level input subsystem (uinput).
 - <https://git.allseenalliance.org/gerrit/#/c/5125/1/interfaces/org.alljoyn.SmartSpaces.Operation/VirtualKey-v1.md>

Let's submit updates to Environment and Operation namespaces by end of this week.

Root (Common and ToO) and Devices namespaces are the next targets. (Hopefully by end of next week)



Thank you

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