ALLSEEN ALLIANCE

Technical Steering Meeting

February 16, 2016

The contents of this document, and the interfaces described, and all the information herein, are the result of collaborative discussions by the Core Working Group. This summary documents the final consensus of the team.

Reminder:

This call is being recorded

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Agenda

1. Approve minutes from previous meeting
2. Vice-Chair updates from Board meeting
3. Face-to-face meeting
4. Template for release approval
5. BT Smart Support

Release Request Template

Approval request for project XXX release YY.MM

Committers/Dev lead approval?	Done?	Date
QA lead approval?		
IRB review and approval?		
C&C Committee review and approval?		
Security Sub-committee review and approval?		

BT Smart Support Plan

Deniz Kaya (Arçelik)

Bluetooth Smart Support Plan

- Bluetooth vs Wi-Fi support on thin client
- SOC solutions on Bluetooth & Wi-Fi
- Low power sensor applications with Bluetooth smart and Mobile integration

HAE Project Progress Update

Inhwan Choi, Project Maintainer

Interface Definition

- IRB Review Passed
- Security Review Requested. Expected to be done shortly.

Namespace (# of Interfaces)	Interfaces
org.alljoyn.SmartSpaces (0)	Theory of Operation document
org.alljoyn.SmartSpaces.Operation (32)	AirRecirculationMode, Alerts, AudioVideoInput, AudioVolume, BatteryStatus, Channel, ClimateControlMode, ClosedStatus, CurrentPower, CycleControl, DishWashingCyclePhase, EnergyUsage, FanSpeedLevel, FilterStatus, HeatingZone, HvacFanMode, LaundryCyclePhase, MoistureOutputLevel, OffControl, OnControl, OnOffStatus, OvenCyclePhase, PlugInUnits, RapidMode, RapidModeTimed, RemoteControllability, RepeatMode, ResourceSaving, RobotCleaningCyclePhase, SoilLevel, SpinSpeedLevel, Timer
org.alljoyn.SmartSpaces.Environment (9)	CurrentAirQuality, CurrentAirQualityLevel, CurrentHumidity, CurrentTemperature, TargetHumidity, TargetTemperature, TargetTemperatureLevel, WaterLevel, WindDirection
org.alljoyn.SmartSpaces.UserInterfaceSettings (3)	LanguageDisplay, TemperatureDisplay, TimeDisplay
org.alljoyn.Input (1)	Hid

Implementation

- Draft HLD is merged in HAE Git. https://git.allseenalliance.org/cgit/hae.git/tree/docs/hld?h=refs/heads/documents
- Scope of Implementation for Initial Release
  - Service Framework : Controller for AJSCL, Controllee for both AJSCL and AJTCL
  - Test Suite (Test Cases Spec., Test Codes)
  - Reference Controller Application (Android)
  - Device Emulator for Controllee
- Base Core Version for Initial Release : v15.09
- Scope of Interfaces and Device Types to be supported for Initial Release
  - To move up delivery schedule of open source implementation, a subset of defined interfaces and device types will be supported at the initial release
  - 31 interfaces and 14 device types out of 45 interfaces and 22 device types
  - The details are available here. https://jira.allseenalliance.org/browse/ASAHAE-22

Project Milestones for Initial Release

1) Need to be more discussed project internally.

No.	Milestone	Oct. 05, 2015 Update	As of Today Target[1)]
1	Service Framework Source	Feb. 26, 2016	Mar. 18, 2016
2	Test Suite, Reference Controller App, Device Emulator	Apr. 29, 2016	May 27
3	C&C Review	N/A	July 1
4	CBI Review (Certification Launching)	May 27, 2016	August 19

- C&C Review is expected to take a long time by considering the number of interfaces.
  - Consultation and support by C&C WG on how to proceed C&C review efficiently is requested.
- More participation in code contribution or support by Alliance would be very much appreciated.

Inter-system Operation in Smart Home

Betty Zhao (Haier)

Motivation

- Besides AllJoyn framework, there also are many other IoT systems developed by standard organizations or companies.
  - They are open-source and serve the same purpose as AllJoyn framework --- Enabling the interoperability of as many devices as possible.
  - Some of them are developed and in use before AllJoyn emerging.
  - Haier U+ Open Platform is one of such systems.

- It’s beneficial to integrate AllJoyn framework with them to broaden the AllJoyn ecosystem.
  - Under Gateway WG, Gateway Agent Project and Device System Bridge Project have already done parts of the work, but not completely.

Motivation

- Gateway Agent Project
  - Provides a standard and secure method for connecting the local AllJoyn devices and applications to external services (works with any Internet connection)
  - It’s mainly facilitating remote access between AllJoyn App and Device.

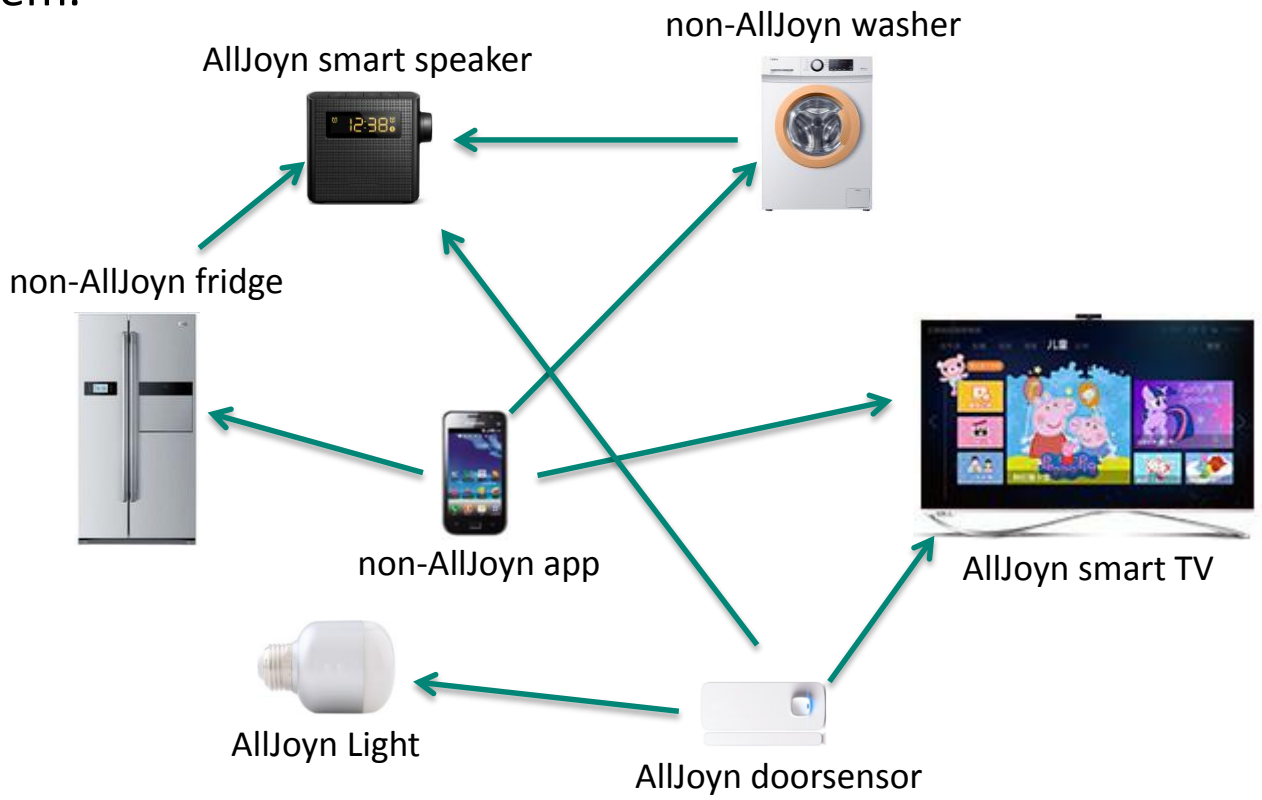
- Device System Bridge Project
  - DSB creates a virtual proxy for non-AllJoyn devices on the AllJoyn bus, which makes AllJoyn devices be able to discover and connect to non-AllJoyn devices.
  - However, AllJoyn devices are not discoverable to non-AllJoyn devices.

Project Description

- **Purpose**
  - Develop standard interfaces and services to make AllJoyn devices discoverable and connectable to non-AllJoyn devices in Smart Home environment.
- **Benefit**
  - In addition to trying to include as many non-AllJoyn devices as possible in the AllJoyn system, AllJoyn devices will also play an important role in the other IoT systems.
  - AllJoyn ecosystem will be extended, and AllJoyn devices will be more ubiquitous and popular.

Project Description

- A scenario as example:
  - All non-AllJoyn devices are supposed to operate under the same system.



Open to Discussion

- **Option 1 (preferred): Extend Project Scope of Home Controller to include this goal.**

- **Option 2: Set up a new project.**

Thank You

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Appendix – Haier U+ Introduction

- Haier U+ is an open platform aiming to foster and support future smart life.
  - Devices on U+ Open Platform connect with each other across brands and categories.
  - Open APIs for developers to develop Apps based on the devices and their connections on the platform.
  - Compatible with Wi-Fi, Bluetooth, ZigBee, etc.