

## **AllSeen Alliance**

TSC Minutes

June 2, 2014

9:00pm PDT

via WebEx

### **TSC Participants:**

Daeyoung Kim (LGE)

Greg Burns (QCE)

Hiroshi Yahata (Panasonic)

Josh Hershberg (QCE)

Mathew Martineau (QCE)

Marc Alexander (LIFX)

Tolly Smith (Silicon Image)

Toru Ueda (Sharp)

Not in attendance:

Jean-Francois (Jeff) Remy (Technicolor)

Milton Wang (Haier)

Ryan Li (TP LINK)

**Also Participating** were: Art Lancaster (Affinegy), Brett Preston (The Linux Foundation), David McBride (QCE), Gabriel B (QCE), Ken Swinson (QCE), Mike Smith, Mike Young (Weaved), Paul Sangster (Symantec), Sal Noto (QCE), Sunvir Gujral (QCE), Takeshi Matsushita (Sharp), Telis Kaleas (QCE), Thierry Luo (Opti-Test), Tomoki Ogawa (Panasonic), Yair Noam (Red Bend)

Brett Preston agreed to take minutes.

### **Antitrust Compliance Notice**

Greg reminded the TSC of its antitrust compliance notice.

### **Greg introduced the Agenda for the meeting:**

- Approve minutes from last call
- Time Service working group
  - Voting
- Release cadence discussion
- Update Service proposal
- Status updates
  - 14.06 Software
  - 14.06 Build
    - Third party code submission process

**Approve minutes from the last call**

Greg called for a motion to approve the minutes from the last meeting. Moved, seconded, than unanimously approved by TSC.

**Time Service working group****(Request for vote)**

Greg noted it's been 2 weeks since the Time Service proposal, and clarified that it is actually a time service project within the Base Services WG

Greg provided reminder that the time service framework is a standard interface for setting and getting time/date, setting/clearing alarms, and setting/clearing count up and count down timers.

Proposal text can be found at

[https://wiki.allseenalliance.org/tsc/technical\\_steering\\_committee/time\\_service\\_project\\_proposal](https://wiki.allseenalliance.org/tsc/technical_steering_committee/time_service_project_proposal)

Greg opened the floor to questions.

None asked.

Greg called for a vote.

from Josh Hershberg to Everyone:

approve

from Art Lancaster (Affinegy) to Everyone:

Approve

from Tolly Smith (Silicon Image) to Everyone:

Approve

from Toru Ueda@sharp to Everyone:

approve

from Marc Alexander to Everyone:

Approve

from Mathew Martineau - QCE to Everyone:

Approve

from Greg Burns (TSC Chair) to Everyone:

Approve

from Daeyoung Kim to Everyone:

Approve

from Yahata - Panasonic to Everyone:

Approve

from Greg Burns (TSC Chair) to Everyone:

Passed unanimously by the TSC members in attendance

**Result:** Time service proposal, under the Base Services WG, was approved.

### **Release Cadence discussion**

Greg noted that there has been concern around whether we can meet the current 4 month release cadence. This was originally proposed and accepted as the Alliance was being set up. The original thought was to have a predictable release cadence.

Core and base services WG's are suggesting we move to a 6 month cadence. The current 4 months is not leaving enough time for feature development, integration, and test. The proposal is that we spend approx. 4 months in development, approx. 2 weeks integration and approximately 6 weeks for test and QA.

14.10 would not be impacted

If proposal goes forward, we'd be looking at an 04 and a 10 release cadence (6 months). Development would remain a continuous process. There will be continuous ongoing updates made to the code base. It was noted that a 6 month release gives us more opportunity for slipstream releases.

With a 6 month cadence, we may need to be more flexible with regards to interim releases for critical bug fixes

Would like TSC feedback before it's proposed to the board, since it's not entirely a TSC decision (marketing implications also)

### **Update Service proposal**

Greg introduced Yair to present their proposal for an Update Service to AllJoyn

Yair began with an introduction to Red Bend Software. Established in 1999, with R&D Centers in Israel and France, they have installed their software updates on over 2 billion devices (primarily handsets), on over 1400 models. Red Bend serves mobile, enterprise mobility, automotive industry, and internet of things.

Yair continued by introducing Red Bend's Product Portfolio, which include Smart Delta and Type 1 Hypervisor Core Technologies. Based on these technologies, they build software products for Software Update, Device Configuration, and Device Virtualization. On top of it all, they have a back-end server providing Management & Control for all these functionalities. The Software Update provides a means for the OEM/operator to create a very efficient package and install it on the device using low memory. It was clarified that they do not provide the actual security, their systems provide the relevant configuration options in the system to allow to plug in external security modules.

Greg commented that having a baseline security may be something we should consider

Yair presented Red Bend's Solution portfolio as it applies to Mobile, Automotive, and IoT/M2M

Yair then introduced Red Bend's project proposal. The overall Update Service being proposed is basically having an update agent on an AllJoyn client and an Update Service on an AllJoyn node/somewhere on the network. Each AllJoyn client will be using the update agent to search for an update service and the update service would be responsible to provide the update agent the updates package that would be adequate for the specific AllJoyn device type. Focus is on the update service and update agent.

Marc asked about what kind of signing and security and source control service there might be.

Yair commented that they have not defined the mechanism for security

Art noted there is some significant similarity in the role of the Update Service to the Gateway Agent working group, and at the very least would want to make sure there is some interdependency put into the proposal. The gateway agent working group also has some installation of software plugins into a device playing the role of something like the diagram being displayed so that third party plugins can be plugged in for connecting AllJoyn proximal network devices to cloud services. Question raised on does the update service provide the ability to install individual modules or is it just the full image.

Yair noted they were focusing more on the update service for the small devices and less on the computer like devices that will be managed by their own OEMs.

Art clarified that the way the Gateway is defined, the Gateway is an application that can run in any always-on device; it's not an internet gateway.

Greg noted that one of the things we are looking to do with Gateway is that it can be the hardened point of entry to the home.

Josh believed Red Bend is more focused on once you have the update, how do you push it to the devices.

Greg agreed, and commented that the last thing we want to do is remove opportunities for business models around supporting cloud based services. Opinions remain around how to do that in a way that's secure.

Sunvir commented that a key point is that in order to do an update, you should not require that the home have a gateway device in it.

Greg noted that this is allowed for in the gateway architecture.

Yair took as an action item to review the Update Service in light of the Gateway Proposal, to make sure there is no conflicts in the definitions and they can play together nicely.

Greg stated his belief that it makes sense to look at this, at least in the initial phases, as a project within the Gateway Working Group.

Greg further clarified that proposals are really proposals for projects. The TSC determines whether the project should be a project of it's own, or should be part of an existing working group. It seems there is so much synergy here, the most obvious thing to do is to look at this as a project within the Gateway working group.

The gateway is an application platform that supports service provider modules that also need to be updated, and then the gateway provides a mechanism for updating devices securely for the home network (enterprise/industrial/etc.)

Art acknowledged they certainly have the need to do software updates

Sunvir added this is a very specific problem they were trying to solve, in terms of getting updates to thin clients.

Greg acknowledged 2 aspects to this: the component that would run on the gateway that handles the updates, and then there is the component that would run on the AllJoyn client, both thin and standard, that would accept the updates from the update service

Gateway Wiki was provided for reference:

[https://wiki.allseenalliance.org/tsc/technical\\_steering\\_committee/proposals/gatewayagent](https://wiki.allseenalliance.org/tsc/technical_steering_committee/proposals/gatewayagent)

## **Status updates**

### **(14.06 Software)**

#### **(14.06 Build / Third party code submission process)**

Greg introduced David to provide a quick update on 14.06

David noted that we've made quite a bit of progress since last update. We are now development complete on all features. The release to the Alliance is scheduled for June 30.

Currently in the process of stabilizing the master branch. Currently all features are integrated, with the exception of NGNS for thin client.

Risk items remain the next generation name service and the UDP transport due to extensive amount of development / test required.

Greg noted that for those following the release process, all the checkins are there on GIT; you can go look at the code; you can start downloading/building it.

David added that they will be creating the release branch this week

Greg provided update on where we are with respect to iOS. Currently we are supporting iOS 7 and iOS 7.1 (not supporting iOS 6). Xcode version & Simulator are Xcode 5.1. GUI format is 4 in. format on simulator. Hardware - 32-bit runtime will run on both 32-bit and 64-bit hardware (64-bit runtime not supported)

Mathew noted the Wiki (<https://wiki.allseenalliance.org/release/14.06>) contains the release plan and status

Core and service SDKs will be built using Jenkins and published on <http://www.allseenalliance.org>

Mathew provided links to:

SDK and verification builds - <https://build.allseenalliance.org/ci/>

Latest build (Windows) - <https://build.allseenalliance.org/ci/job/windows-sdk/>

Latest build (Mac/iOS) - <https://build.allseenalliance.org/ci/job/osx-sdk/>

Greg noted WG's need to take responsibility for feeding into the continuous integration test and build system. Ticketing system we use JIRA.

Matt noted that Working groups can contact [allseen-infrastructure@lists.allseenalliance.org](mailto:allseen-infrastructure@lists.allseenalliance.org) for info about using the automated build infrastructure

Questions/Comments -  
None

Greg closed call