

AllSeen Alliance

TSC Minutes

June 22, 2015

9:00pm PDT

via WebEx

TSC Participants:

Art Lancaster (Affinegy)

Dino Natucci (Microsoft)

Dominique Chanet (Qeo)

Fabrizio Dolce (Electrolux)

Greg Burns (QCE)

John Cameron (LIFX)

Jun Zhang (Haier)

Marcello Lioy (QCE)

Mathew Martineau (QCE)

Ram Jeyaraman (Microsoft)

Tolly Smith (Lattice Semiconductor)

Toru Ueda (Sharp)

Not in attendance:

Byungjin Kim (LGE)

Johan Svenér (Sony)

Ryan Li (TP LINK): Not counted for quorum purposes

Shinichi Yuga (Canon)

Tomoki Ogawa (Panasonic)

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 previous meeting
- Security Sub-Committee (SSC) June Update
- Time and scheduling in an AllJoyn network
- An abundance of “hubs”

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.

Security Sub-Committee (SSC) June Update

Brian provided update noting the SSC is defining the process for security reviews as

part of the IRB process, as well as defining best practices. Brian added the SSC is defining security testing process as well as vulnerability handling process.

Brian noted the charter and other documents will be added to the Wiki shortly.

Request was made to send pending security review process to the IRB mail list.

Time and scheduling in an AllJoyn network

Steve noted there has been some discussion on the IRB around time and scheduling. Steve noted the problems that currently exist, including that many devices lack a Real-Time Clock (RTC), so no notion of wall-clock time. Steve added that there is no Time Service operating right now to provide time synchronization, and that devices need to schedule operations in the future. Steve also noted the problem of inaccurate clocks (drift.)

Steve presented 2 potential solutions:

- a. device centric epoch
- b. global epoch

Steve noted pros for device centric epoch including simplest to implement for device manufacturers, it allows for relative time scheduling of actions, and no requirement for authoritative time source.

Steve also noted cons for device centric epoch.

Steve noted pros for global epoch including it allows for simple scheduling of future actions; time stamps of when events happen are intrinsically meaningful; and actions scheduled to happen at a certain wall-clock time will happen at that time even after a reboot or power failure without any intervention by the setter.

Steve also noted cons for global epoch.

Greg noted there is a time service project that has been started, but needs a new owner. Greg requested a volunteer to take over the project.

Next step was determined to take discussion to an email thread.

Too many hubs?

Greg opened for discussion the fact that numerous projects are defining hub-like services. Greg raised the question around rationalizing device groups; and if the TSC could eliminate overlap.

Question was raised on whether living scenarios and home controller are just different facets of one service or truly distinct. Another question was around whether there is natural alignment amongst security groups and devices groups.

Finally, question was risen around if lighting groups always map to spatial groups?

Next step was determined to take discussion to an email thread.

Greg closed call