



**ALLSEEN  
ALLIANCE**

# **Technical Steering Meeting**


**June 30, 2015**

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**Reminder:  
This call is being  
recorded**

- 
1. Approve minutes from previous meeting
  2. RFP Process
  3. IRB Activity Overview June 2015
  4. Request to add committer
    - core/securitymgr
  5. Packaging proposal



# **TSC RFP Process**

# Outsourcing projects through the TSC

- The TSC would like from time to time to outsource work. We need to establish the mechanism to do this for this and future efforts.
- There are no legal constraints here, nor any constraints under the Bylaws, so AllSeen is free to put in place whatever rules it wants on this process.
- The recommendation is:
  - The TSC should come up with a few simple, documented rules that people are comfortable with.
  - Under the Bylaws, these rules should be approved by the Board.
  - With the rules in hand, the RFP creation, approval, bidding, evaluation and selection process for root certificates can happen.

# Outsourcing projects through the TSC

- Timeline:
  - 30 June TSC meeting
    - Review and discuss rules.
  - 7 July TSC meeting
    - The rules would come up for vote and if approved, Greg can submit the them to the board for approval.
    - Root cert RFP draft reviewed.
  - 14 July TSC meeting
    - Board review can happen before the 14 July TSC meeting and if approved, the RFP could go out with 31 July 5:00 pm PDT response deadline
  - 21 July TSC Meeting
    - Answer RFP questions as needed
  - 31 July
    - RFP closes
  - 11 August TSC Meeting
    - RFP Winner selected and announced

# Draft Rules for Project Outsourcing

- The item going out for bid and contract should be documented as an RFP.
  - The terms by which the TSC will evaluate submissions to the RFP should be clearly defined in the RFP
  - The time period for responses to the RFP should be clearly defined in the RFP (including an explicit closing time).
  - The RFP should identify whether submissions to the RFP become public or remain private to the evaluators.
  - A mechanism through which parties interested in submitting proposals to the RFP can get questions answered should be provided
  - Any member of the TSC can participate in development of the RFP
- The draft RFP will be reviewed and approved by the TSC.
  - Any member of the TSC associated with a company that plans to bid on the RFP will recuse themselves from the evaluation process (As a result, their vote will not count for the necessary TSC quorum).
- The RFP will be shared publicly
  - in a TSC meeting and the on the TSC mailing list
- Sufficient time should be given for RFP evaluation and bid submission (2 weeks minimum)
- The TSC will evaluate all complete on-time submissions for the RFP against the specified criteria and MAY choose one of the submitters to be awarded the contract (or they may choose none and go back out for rebid or cancel the RFP).
  - The TSC members evaluating submissions may ask submitters clarifying questions as part of their review.
  - Any member of the TSC associated with a company which has bid on the RFP will recuse themselves from the evaluation process (As a result, their vote will not count for the necessary TSC quorum).





# **IRB Activity Overview June 2015**

# IRB Activity Overview June 2015

- Nothing new to review
  - Security 2.0: tentatively ready, holding off on final ratification because implementation for R15.08 may necessitate small changes
  - SmartHome Service: waiting for updated submission
  - AnalyticsEventAgent: waiting for updated submission
  - Location Service: waiting for updated submission
  - HAE will make a large drop (60-odd interfaces) at the beginning of July
- Updates to the Interface Design Guidelines document: work on v1.1 continues
  - Representation of time-related values (timers, scheduled events, ...)
  - Signal emission throttling
  - Error names and how to namespace them
  - Awaiting SSC-driven guidelines for securely designed interfaces
- Started IRB FAQ: <https://wiki.allseenalliance.org/irb/faq>

# IRB Activity Overview June 2015

- SSC security reviews of interfaces will make use of IRB process/infrastructure
  - Security reviewers to join the IRB
  - Unless they do a full review (not only security) they're supposed to only give -1 scores, not +1
  - If security reviewer & rest of IRB disagree on an interface, escalate to TSC
- Tooling advances
  - Publication of standardized interfaces
    - Initial version of rendering script ready: `extras/webdocs.git:scripts/generate_interfaces.js`
    - Waiting for actual approved interface before starting discussion with LF staff on publication on [www.allseenalliance.org](http://www.allseenalliance.org).
  - ajxmlcop
    - Tests validity of submitted interface XML descriptions
    - Does a number of quick checks to see if IRB guidelines are followed
    - Kudos to Dave Thaler

# XML Introspection Formats: 3 variants

- DBus introspection XML
  - Standard format, supported by AllJoyn Core
  - Used for runtime introspection (`org.freedesktop.DBus.Introspectable.Introspect`)
  - Lacks descriptiveness
- DBus-with-descriptions
  - Introduced for Events&Actions
  - Adds human-readable, translatable `<description>` tags to interfaces and their members
  - Adds signals emission type attributes (sessionless, sessioncast, unicast, global broadcast)
  - Runtime introspection via special interface (`org.allseen.Introspectable.IntrospectWithDescription`)
- Extended introspection XML
  - DBus-with-descriptions + named types
  - Supported by code generator
  - Required for IRB submissions
  - More descriptive, but incompatible with DBus type signatures

# Why Extended Introspection XML?

```
<arg name="publicKey" type="(yyayay)"/>
```



```
<struct name="EccPublicKey">
  <!-- An enumeration describing the key type. Values:
        0: ECDSA with SHA-256
  -->
  <field name="algorithm" type="y"/>
  <!-- An enumeration identifying the curve this key is using. Values:
        0: NIST P-256
  -->
  <field name="curveIdentifier" type="y"/>
  <field name="xCoordinate" type="ay"/>
  <field name="yCoordinate" type="ay"/>
</struct>
<arg name="publicKey" type="[EccPublicKey]">
```

# Three is Two Too Many

- Proliferation of introspection formats is bad.
- Decide on a single format going forward  
Single format to be supported across the board: core, codegen, IRB, ...
- Define a process for future updates to the introspection format
  - New annotations for versioning support
  - Formal definition of enum values
  - Rationalize or reduce the various description/documentation formats
    - Human-readable descriptions for Events&Actions via <description>
    - Human-readable interface descriptions for manifest presentation (Security 2.0, GW Agent)
    - Developer-oriented documentation, in gtk-doc style (a Javadoc-like system in use for DBus)
  - Incorporate recent refinements by DBus



**Request to add  
committer  
core/securitymgr**

# Request to add committer for core/securitymgr

- Joris Bleys to become a committer for core/securitymgr
- Core WG has voted in favor
- Call for TSC vote to approve





# Packaging proposal

Javier Domingo Cansino

# Packaging proposal

- Packaging proposal presentation (Step 1)
  - - Standardize the way projects are distributed
  - - Make projects easily to package
  - - Fix dependencies and runtime dependencies problem
- [https://wiki.allseenalliance.org/core/packaging\\_proposal](https://wiki.allseenalliance.org/core/packaging_proposal)



# Thank You

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