



**ALLSEEN  
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# **Technical Steering Meeting**


**April 20, 2015**

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**Reminder:**  
**This call is being  
recorded**

- 
1. Approve minutes from previous meeting
  2. Vote on foundational components
  3. Vote for committers
  4. Gateway Agent Release v14.12 Update
  5. Security Sub-Committee (SSC) Update



# **Vote on foundational components**

# Foundational components

- TSC needs to vote to accept the following as components for inclusion in the Base Implementation
  - The TSC will then send that recommendation to the Board
- Components requiring a vote
  - Gateway Agent Project v14.12
  - Lighting v14.12



**Vote for committers**

# Vote for committers

- Base Services
  - Craig Dowell (QCE)
  - Sheshambika Venkateshwaran (QCE)
- Time Service
  - Jeff Drake (Connectuity)





# **Gateway Agent Release v14.12 Update**

Art Lancaster

CTO Affinegy

AllSeen Alliance Board Member  
and Chair Gateway W.G.

# Gateway Agent – v14.12 Release and Update

**The Gateway Agent project team from QCE and Affinegy is please to announce our v14.12 release completion!**

Summary of the Release Status and Plans:

- Gateway Agent v14.12 Release Key Features
- What's included in the v14.12 release
- Next Plans:
  - Connectors
  - 15.08 and Security 2.0
- TSC release approval motion for the C.B.I.

# Gateway Agent Key Features

- Special AllJoyn routing node for managing the interface between the local AllJoyn network and external networks
  - External web / cloud services
  - External non-AllJoyn networks (such as other IoT protocols)
- Provides both security management and traffic management
  - Which AllJoyn apps and which interfaces are permitted to have external interaction
  - Which traffic is passed between the networks
  - A key component to enhance security, privacy and scaling for IOT services
- Recommend using Gateway Agent instead of an AllJoyn Router when ever external networks are part of the applications or services for a device

# Gateway Agent Components Included in v14.12 Release

- The Gateway Agent Management application and its manageable AllJoyn routing node
  - AllJoyn router config is manageable with service profiles for which Alljoyn applications, interfaces and their traffic are made available with the external network
- Control application
  - An Android sample application that supports the Gateway Agent Control API interface for the service profiles
- Connector plug-in
  - A sample application for the Gateway Agent Connector API interface between AllJoyn messaging and Twitter
- Gateway release supports Linux as per AllJoyn Core and Base Services 14.12, and includes an OpenWRT feed

# Next Plans: Connectors and Service Provider Mode

- **Connector Plug-ins**
  - **XMPP / AllJoyn Connector from Affinegy**
    - Moving this to its own project. Is functional today. We plan to release by end of May.
    - We'll submit this as a Gateway Agent Connector Project shortly
  - **Other connectors** – several companies working with Gateway Agent code creating connectors. Please assist AllSeen by proposing as official AllSeen Connector projects for Gateway Agent.
- **Package manager and Service provider mode (TR-069) moved to 15.08**
  - A package manager is coded and in the Gateway Agent GIT – but it is not included in the release. There were too many security considerations that fit better for the 15.08 time frame
  - Service provider mode – TR-069 management of the Gateway Agent for managed services
    - Is currently an Affinegy commercial offering
    - Affinegy is packaging it up to be open source and part of the Gateway Agent 15.08 release as we add support for Security 2.0

# Gateway Agent – planning for 15.08 & Security 2.0

- Gateway Agent Architecture planning underway for 15.08 and Security 2.0
- A few of our planning and architecture topics
  - Multiple Gateway Agents to one external network: primary and back-up along with profile synchronization
  - Security 2.0 key management for multiple external networks and services, and indeed for multiple Gateway Agents
  - Secure connector plug-in installation and integration with Security 2.0 authentication and authorization management
  - Traffic management with external networks
  - Support for Data Driven with external networks

# Gateway Agent v14.12 Release Information

- 14.12 Gateway Agent Zip -  
<https://git.allseenalliance.org/cgit/gateway/gwagent.git/snapshot/gwagent-14.12.zip>
- 14.12 GIT repository Gateway Agent Source -  
<https://git.allseenalliance.org/cgit/gateway/gwagent.git/tree/?id=v14.12>
- 14.12 Gateway Agent Release Notes -  
<https://git.allseenalliance.org/cgit/gateway/gwagent.git/tree/ReleaseNotes.txt?h=RB14.12&id=a19e66863256c61f97175752484acf2fc32626d4>

# Gateway Agent Project Team

**Thanks to the Gateway Agent Project Team**

## **Affinegy**

- Art Lancaster
- Josh Spain
- Jim Howard

## **Qualcomm Connected Experiences, Inc.**

- Shane Dewing
- Mike Quon
- Aaron Pulliam



# Approval Motion Gateway Agent v14.12 Release

Motion: That the TSC notify the AllSeen Alliance Board of Directors that it has approved the Gateway Agent Project v14.12 as released and pursuant to the AllSeen Alliance IP Policy to begin the 90 day review period to become part of the Compliant Base Implementation.



# **Security Sub- Committee (SSC) Update**

# Security Sub-Committee (SSC) Update

- March 23: First SSC call.
- Art Lancaster volunteered to lead the “Security Best Practices” work-stream.
  - Greg Zaverucha volunteered to help with that work-stream.
  - Will cover both best practices “for Work Groups,” and “for others to safely & securely leverage AllSeen.”
- March 31: Proposed SSC members approved the charter for TSC vote.
  - The next slide will present an overview of the proposed charter for TSC consideration.
- April 2: contacted Philip DesAutels to begin arranging the mailing lists.

# Proposed Security Sub-Committee (SSC) Charter

- Working Group (WG) Chairs to nominate security champions for TSC approval
- WG Chairs serve as security champions until willing champion identified & approved by TSC
  - So far only Marcello delegated responsibility, Greg Zaverucha accepted, pending TSC Approval.
- Proposed Scope:
  - Engage other open-source groups to learn their approach. Set expectations for best-practices.
  - Ensure security diligence in early/architectural stages of projects; work with IRB to leverage review process; work with Certification & Compliance WG to incorporate “security” as a required for Certification.
  - Find low-cost/low-effort automated code review solution for TSC approval. Map other processes, such as handling vulnerability disclosure. Keep TSC informed of progress with at least quarterly reporting.
  - Tracked pre-release security concerns in JIRA. Track post-release security concerns confidentially.
  - SSC coordination to be done via “mostly email” workflow.
- SSC voting model: requires super-majority of two-thirds with quorum of three-fourths.



# Thank You

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