



**ALLSEEN  
ALLIANCE**

# **Technical Steering Meeting**

**Aug 25, 2014**

# Antitrust Compliance Notice

- AllSeen Alliance meetings involve participation by industry competitors, and it is the intention of AllSeen Alliance to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of and not participate in any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.
- Examples of types of actions that are prohibited at AllSeen Alliance meetings and in connection with AllSeen Alliance activities are described in the AllSeen Alliance Antitrust Policy. If you have questions about these matters, please contact your company counsel, or if you are a member of AllSeen Alliance, feel free to contact Lee Gesmer or Andrew Updegrove, of the firm of Gesmer Updegrove LLP, which provides legal counsel to AllSeen Alliance.



**Reminder:  
This call is being  
recorded**



# Agenda

1. Approve minutes from previous meeting
2. Vote on release proposal
3. Update from Developer Tools WG
4. Analytics Proposal from Tellient
5. Hackfest update



# **Vote on release proposal**

# Release Proposal Review

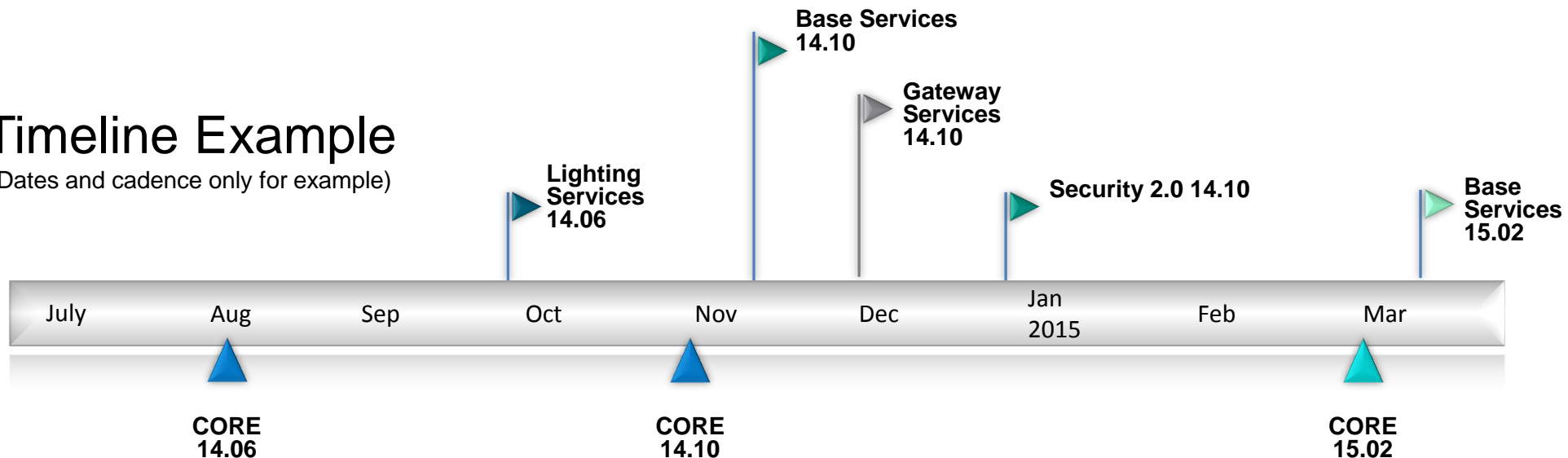
- Separate features from releases
  - Features are targeted for releases but releases do not depend on specific features
  - Features are developed and tested on public branches
    - If a feature does not meet quality for the targeted release, it is slipped to the following release
  - Once at release quality features are merged into the master branch for inclusion into next release
    - Release quality implies feature testing is complete
- Members are responsible for integration testing and hardening on their products
  - Need member input on process for platform specific contributions and testing
- Move away from a simultaneous release model
  - Each Working Group (WG) determines when they will release
  - Core currently on a 4 month cadence (February, June, & October)
    - Core WG would like TSC approval to change to a 6 month cadence (April & October)
  - Cross WG integration and resolution of technical dependencies is coordinated by the working groups

# Move away from a simultaneous release model

- Working Group releases are based on a specific Core release version
  - Version naming is same as Core release version used
  - WG will identify the number of commits taken in after the Core release
- Examples:
  - Base Services WG commits to having a release for each core version
  - Lighting WG may chose not to update after 14.06
    - This implies that there would only be a Lighting 14.10 if a member chooses to do the work

## Timeline Example

(Dates and cadence only for example)





# **Developer Tools WG Update**

**Mathew Martineau**



# Developer Tools

- Code Generator
  - Thin Library installers at <https://allseenalliance.org/releases/alljoyn/14.02/>
  - Master branch has support for Android code generation – beta testers wanted!
  - Data Driven Working Group has contributed changes for v14.10
- Node.js
  - OctoBlu has been working on an ISC-licensed implementation at <https://github.com/octoblu/alljoyn/>
  - Not contributed as of today
  - Was used at the Phoenix Local Motors Hackfest

# Future Dev Tools Projects

- Design tools
  - Control Panel client for Windows/Linux/Mac
- Troubleshooting tools
  - Command-line utilities to test network configuration and functionality across platforms
  - AllJoyn diagnostic to find common issues and list typical fixes

# Order for hackfests & lab days

Vote to approve

# Order for hackfests & lab days

Item	Quantity	Estimated Amount
Shirts	100	\$2,200.00
Arduino Stackable Header Kit - R3	50	\$97.50
14x9 Matrix LED Arduino Shield	10	\$85.11
SanDisk Extreme 32GB USB 30 USB Flash Drive	100	\$3,685.00
Adruino Yun	10	\$718.10
Joystick Shield	10	\$175.00
CAT5E Black	60	\$152.50
Raspberry Pi Complete Kit	30	\$2,249.70
8g sandisk MicroSD card with adaptor	30	\$443.70
Arduino Pro Kit	20	\$5,399.80
Sunfounder Project Super Starter Kit	20	\$799.80
Galaxy Nexus 7 tablets	15	\$4,125.00
Tablet locks	15	\$1,049.85
NeoPixel Ring - 16 x WS2812 5050 RGB LED with Integrated Drivers	20	\$199.00
NeoPixel NeoMatrix 8x8 - 64 RGB LED	10	\$349.50
PIR (motion) sensor	5	\$49.75
Cosume Googles	5	\$49.75
42" tv case - Shipping	1	\$2,500.00
<b>TOTAL</b>		<b>\$24,329.06</b>
<b>Taxes</b>		<b>\$2,128.79</b>
<b>Shipping</b>		<b>\$6,082.27</b>
<b>GRAND TOTAL</b>		<b>\$32,540.12</b>

Expected Budget	\$32,540.12
Final Budget	\$0.00
Difference	\$32,540.12



# **Analytics Proposal**

# IOT Analytics project and working group proposal

- Proposal submitted to TSC mailing list and posted to Alliance wiki Aug 21<sup>st</sup>
  - [https://wiki.allseenalliance.org/tsc/technical\\_steering\\_committee/proposals/iotanalytics](https://wiki.allseenalliance.org/tsc/technical_steering_committee/proposals/iotanalytics)
- Proposal is for an API and extensible library for device analytics
  - Device-level capture and reporting of events, states and other defined data
  - Provide device owners with ability to view usage information
- Deliverables
  - Open source client library for standard and thin libraries
  - Gateway service provide to interface with cloud based analytics service
- Tellient will make presentation on proposal on the next TSC call



# Hackfest Update

# Hackfest at Local Motors – Chandler, Arizona

- Utilized node.js and Octoblu's Nodeblu designer, AllJoyn.js, notifications, control panel service, events and actions
- Good showing of willing and motivated developers
  - Lots of creativity



# Notable projects:

- Twitter controlled array of LIFX bulbs
- AllJoyn ON controlled robot playing ball
- Pebble watch controlled car
- Seinfeld TV script running as AllJoyn chat on LG TV
- TV notifications flash LIFX lights
- Remote controlling Car notifies LG TV, change LIFX lights
- Voice control of car via Google Speech in Octoblu's NodeBlu designer
- Pictures & videos <http://bit.ly/1vgI1GG>
- Twitter photos <https://twitter.com/search?q=allseenalliance&src=typd&mode=photos>







## Notable projects:





# Tutorial session on AllJoyn.js



# Controlling a bank of LIFX bulbs from AllJoyn app running on Octoblu's Nodeblu designer

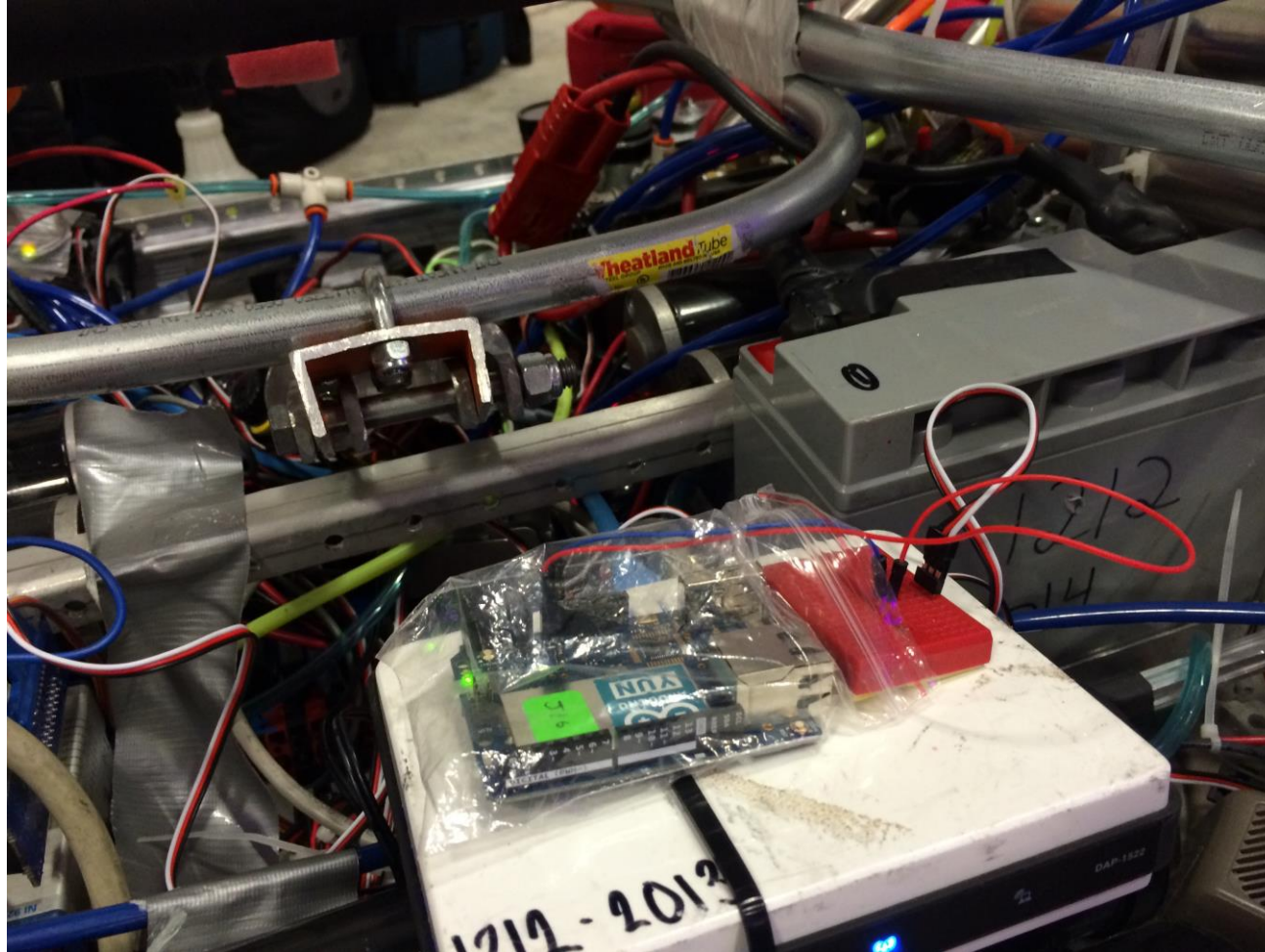




# Getting set up

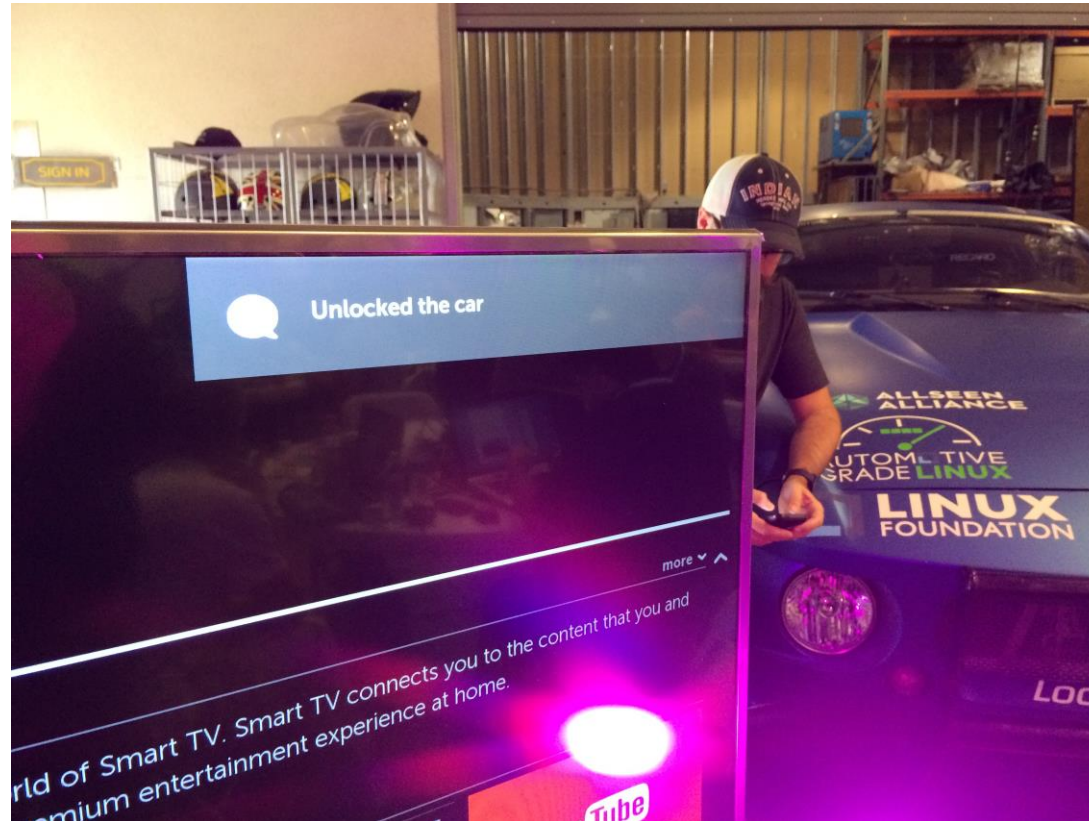


# AllJoyn on Arduino Yun hacked into Local Motors “open source” car





# Notification on LG TV from the car



# AllJoyn.js on Arduino Yun with control panel client on Android driving a high-school robot project



[https://www.dropbox.com/sh/hvepkk81zjpobau/AADetsLfpwngJSvzHOZpyVtNa?dl=0#lh:null-IMG\\_1732.MOV](https://www.dropbox.com/sh/hvepkk81zjpobau/AADetsLfpwngJSvzHOZpyVtNa?dl=0#lh:null-IMG_1732.MOV)







# Thank You

Follow Us On      

- For more information on AllSeen Alliance, visit us at: [allseenalliance.org](http://allseenalliance.org) & [allseenalliance.org/news/blogs](http://allseenalliance.org/news/blogs)
- This is where your legal information goes