ALLSEEN ALLIANCE

Technical Steering Meeting

October 05, 2015

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Reminder:

This call is being recorded

1. Approve minutes from previous meeting
2. Vote to archive Analytics and Node.js projects
3. C&C Update
4. Core 15.09 update
5. Base Services update
6. Unified Introspection XML Proposal

Vote to archive inactive projects

Archive inactive projects vote

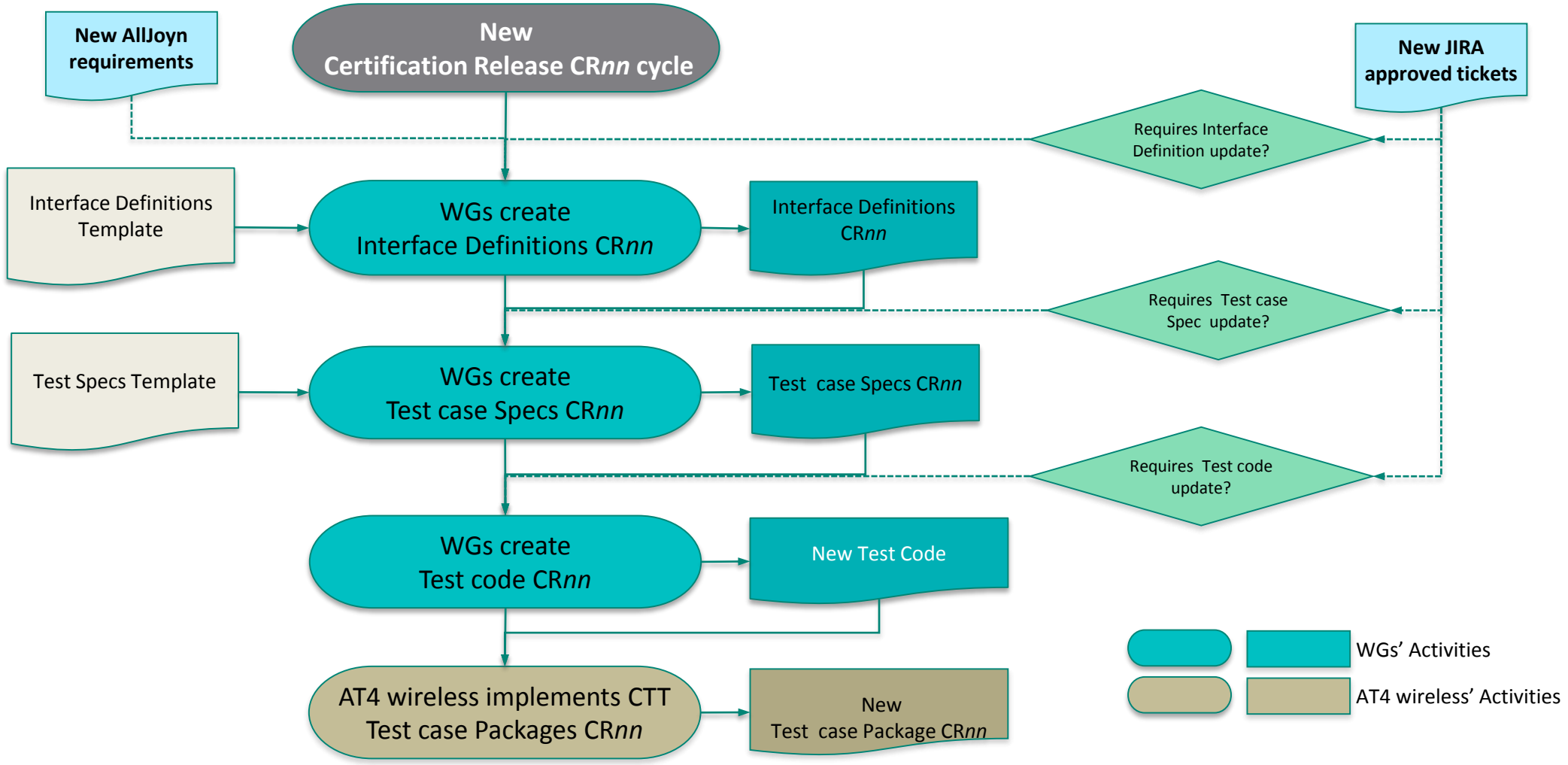
- Analytics Connector Project under Gateway WG
  - No meaningful commits since February 2015
  - No committers - corporate membership was not renewed
  - Vote to archive this project
- Node.js Project under Developer Support WG
  - Only one commit (Sept 2014)
  - Commit included an complete duplicate of AllJoyn core so was rejected in gerrit
  - No activity since initial commit
  - Vote to archive this project

C&C Update

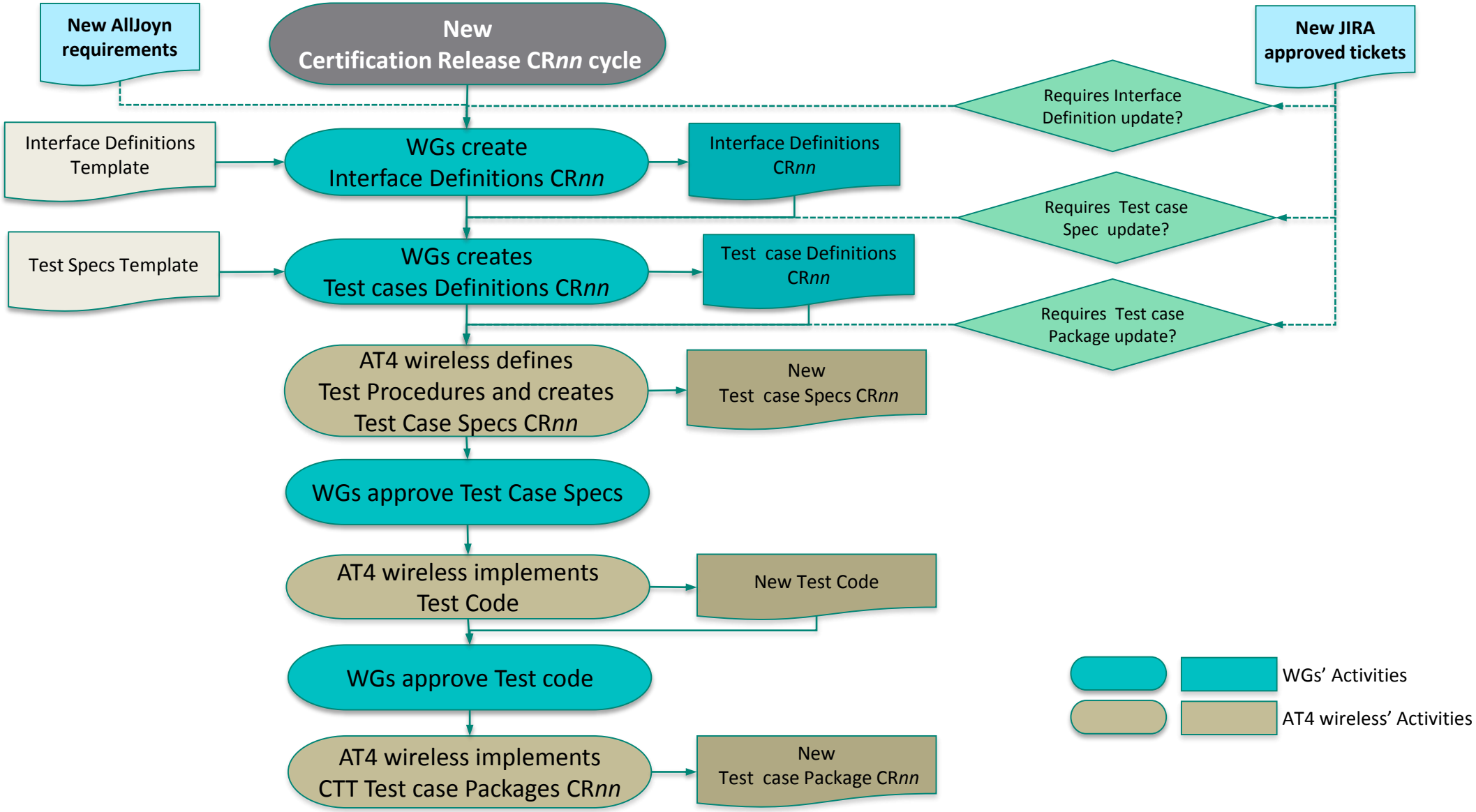
Critical C&C Bugs for 15.09 Core release

- ASACOMP-80
  - Test disabled (no longer applies). Best possible match is picked if the exact language requested is not supported.
- ASACOMP-113
  - Fixed
- ASACOMP-114
  - Fixed
- ASACOMP-115
  - Fixed
- ASACOMP-104
  - Not critical. Test code needs to be updated to support other authentication mechanisms. Need to be fixed.
- ASACORE-2571 & ASACORE-2572
  - Not critical. Consensus is to temporarily disable the corresponding certification tests or make them more liberal.

Current Certification Release cycle



Proposed Certification Release cycle



Core 15.09 Update

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- New released feature
  - ASACORE-1686 Make UDP Transport for TC ↔ RN connections product ready
- Developer preview feature
  - ASACORE-1393 Security 2.0
- Status
  - Released on September 30
  - Pending C&C tickets
    - In process to identify resolution prior to calling for TSC vote
      - Including resolving ACACOMP-121 Timed out waiting for About announcement in CTT Local Agent v1.7.0
    - Needed to run certification tests for 15.09 based products

Base Services update

Base Services update

- Tough decisions to make for 15.09 release of base services
  - Highly likely that many base services can not be released
  - No resources available for control panel service
  - Will need to cut back support for Java APIs
- Current scenario:
  - Config (C++ only)
  - Limited support for notifications (transition to sample code)
  - Onboarding will not be moved forward
  - Time service still has not contributors
- More discussion at the Common Service WG meeting at the Alliance Summit

Unified Introspection XML Proposal

https://wiki.allseenalliance.org/irb/xmlv2

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Use Cases

- Developers need interface definitions for code generation
- AllSeen Alliance needs interface definitions to standardize
- End-users need descriptions of interfaces on a given device for creating If-This-Then-That (IFTTT) style rules with Events & Actions
- Admins need descriptions of interfaces on a given device for creating security policies

Currently have 3 incompatible formats

Format:	D-Bus style Introspect()	IntrospectWithDescription()	Extended Introspection XML	(Proposed) Converged Introspect()
Remotely queryable	✓	✓	✕	✓
D-Bus tool compatible	✓	Some	✕	✓
Localizable user descriptions	✕	✓	✓	✓
Developer descriptions	✕	✕	✓	✓
Named types	✕	✕	✓	✓
Enumerations	✕	✕	✓	✓

IRB has agreed on unified XML proposal

- Uses D-Bus compliant annotations instead of non-compliant XML elements & attributes
- Separates localizable descriptions from additional developer-specific comments
- Adds optional annotations useful in automatic code generation and in bridging to non-AllJoyn schemas (Min, Max, Units, Default, etc.)
- Includes XSD reference in the XML

- See https://wiki.allseenalliance.org/irb/xmlv2 for details

Proposed migration process

1. Update IRB guidelines to use new format
   - Goal to get the TSC to ratify the new format & guidelines at same time
2. Write tool (XSLT) to convert old XML to new format
   - This will assist in migration
3. Update (for 16.04) SC/TC code to use new format in Introspect(), BusAttachment.CreateInterfacesFromXml(), etc.
4. Update tools like ajxmlcop and codegen utilities to accept new format
   - Includes updating http://www.allseenalliance.org/schemas/introspect.xsd
5. Once TSC approves new format, IRB will start requiring submissions to use the new format
   - Submissions already in progress not delayed
6. Ask TSC to direct WG's to update existing published specs to use new XML format

Thank You

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