

SSC-WG4 Certification Process

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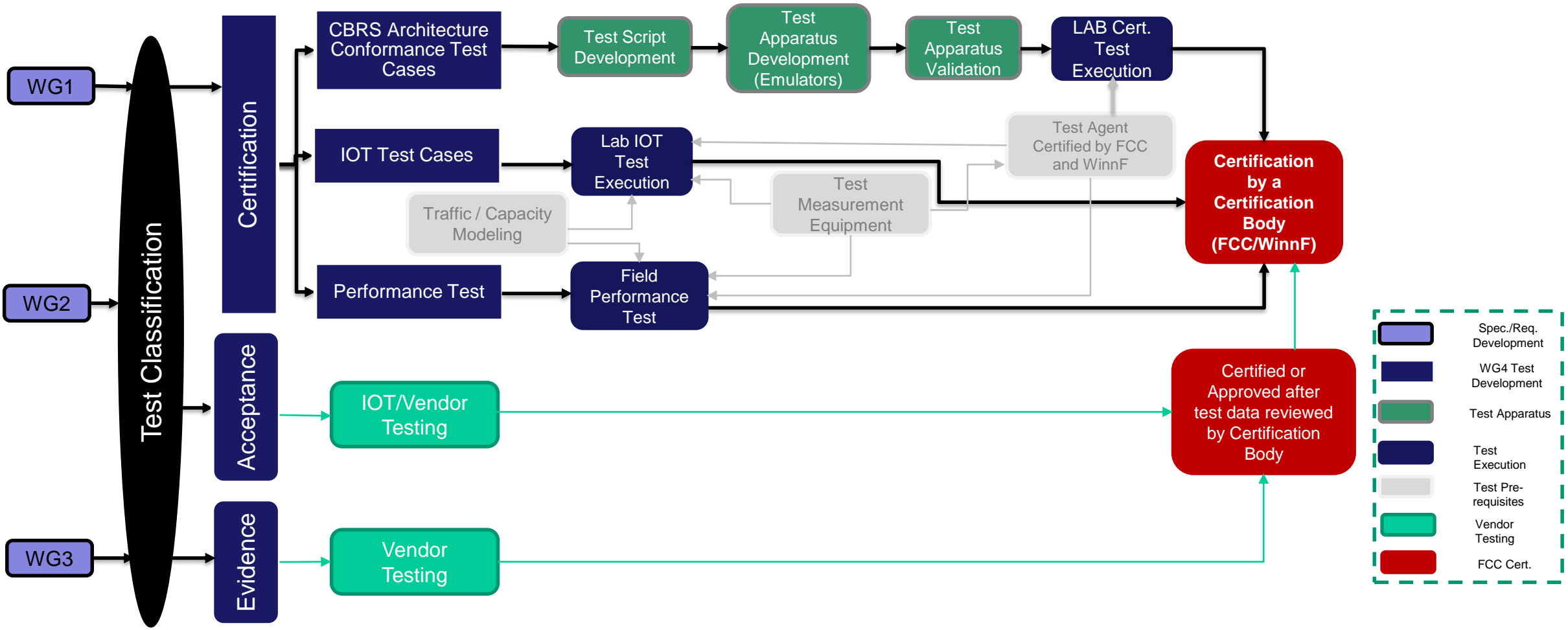
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WINN Forum Certification Flow



Comments

The requirements, protocols, specifications, and interfaces are defined by SSC-WinnF Working Groups 1, 2, and 3. The specifications are derived from FCC, NTIA, and DoD requirements

According to Requirements and specifications defined by other working groups, Working Group 4 develops the test cases. The test case document would be published WG4

- Functional Test cases
- Interoperability test cases
- Field/Performance test cases
- Tests should distinguish between results which must be the same among conforming systems and results which need not be the same among conforming systems.
- Tests should be developed for all systems which intervene in the signaling from the SAS to a CBSD emitter.
- The test cases developed in WinnF addresses the requirements specifically determined by FCC and/or WinnF WG1, WG2, and WG3. However, a technology-specific test and/or certification, as defined by another standard or standard body, might be a pre-requisite of this certification process.

The functional test cases, are converted to test scripts, to facilitate the development of test apparatus (Emulator), which has to be validated through a process defined by FCC/WinnF

Comments

The testing might require simulated traffic generation capability and measurement equipment

A lab is certified by FCC/DoD/WinnF to perform the certification of SSC components

The lab publishes the test report

Vendors testing could be either considered as

- a pre-requisite for certification process,
- By discretion of the certification management entity, they could be partially or fully considered as part of certification plan

The Certification is governed by a certification body designated by FCC, DoD, and WinnF

Test Classification

**Review all requirements and assign appropriate classification.
Classification used as WG4 guidance for further Test and
Certificate artifacts, test flow and deliverables**

1. **Certification** – Testing takes place in an independent, secure and supervised test center or by “Certification partners” where selected requirements are tested and officially approved as having met a standard.
2. **Acceptance** - Testing conducted to determine if the requirements or specifications (e.g. WG2/WG3 specifications) are met. This testing can be done in lab IOT testing similar to how telecommunications equipment is currently tested. This would be focused on black-box system level testing . (Functional and Performance)
3. **Evidence** - Material that is presented that furnishes proof of compliance or operation that will satisfy outside regulators that all necessary tests have been executed and passed