

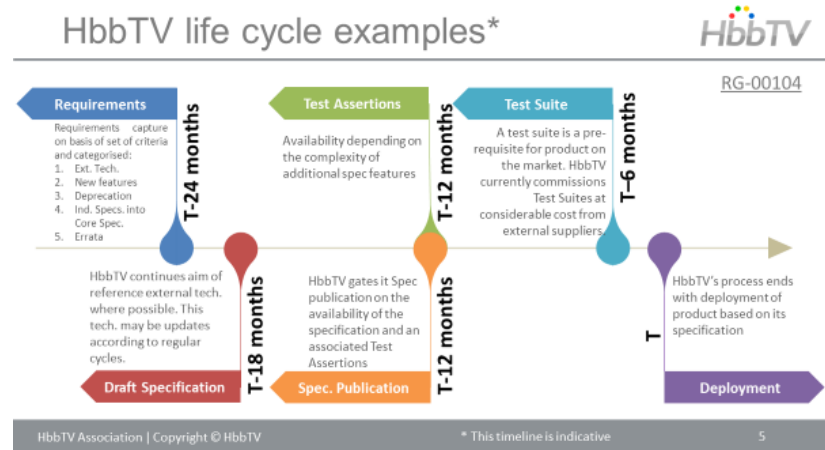


HbbTV Test Assertion Specification Explained



What is a Test Assertion?

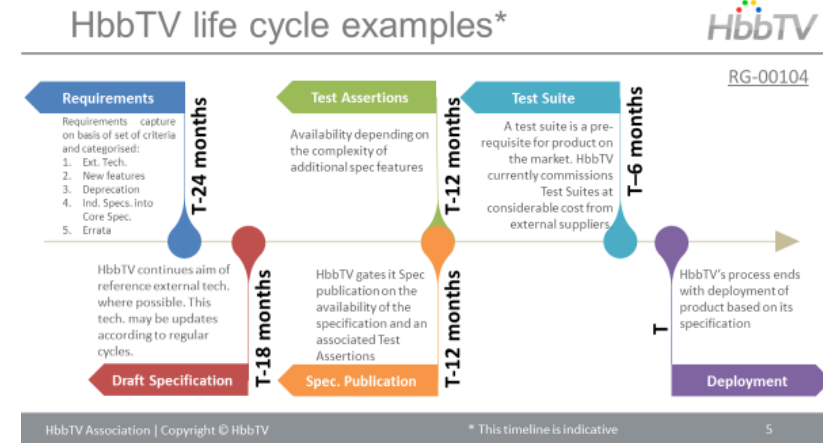
- According to HbbTV life cycle, for every published HbbTV Spec, there is a description of what will be tested by the tests in the test suite.
- This description is called a Test Assertion



The Test Suite is based on Test Assertions

The Test Assertion is not the test itself

- A test assertion is a pre-requisite to the creation of a test
- Anyone can access the HbbTV Test Suite through an HbbTV Registered Test Center. A list of these can be found on the website.
- HbbTV members who have the necessary expertise and equipment may also license the test suite for use in their own facility.



- The Test Assertion Specification is a document with detailed information of what is a test assertion and including a link to the Test Assertion Repository (TAR), along with useful guidance information for users of the TAR.
- The TAR is a list of test descriptions*

* Published TAR only includes test descriptions from HbbTV Core specifications when there is a valid test in the official Test Suite. The TAR does not include independent specifications (Op Apps, ADB, Targeted Advertising,...)

- The Test Assertion Repository list is updated daily:
 - Test Assertions may be added or removed when the HbbTV Test Suite is updated (which is notionally 3 times per year)
 - Additionally Test Assertions may also be removed from the Repository list, for example, if the HbbTV Association discovers a fault in one of their tests.
 - If that occurs, it is removed from the test suite, and hence removed from the TAR list pending a fix to the test.

Why has HbbTV published the TAR?



- HbbTV already publishes a *long list of test assertions* (<https://www.hbbtv.org/resource-library/#testing-information-and-support>)
- TAR and the *long list of test assertions* differ on 3 important points:
 1. The assertions captured in the TAR at all time will be all and only the assertions for which **an approved test exist** in the test suite (in its current version)
 2. The TAR is the list of assertions which will be referred to by the HbbTV new **Test Assertions Specification** (this specification is now published by HbbTV, potentially as an ETSI TS one day) (<https://www.hbbtv.org/resource-library/#specifications>)
 3. The TAR includes **only Core Spec** test assertions (the TAR does not include Independent specifications (OpApps, ADB, Targeted Advertising,...))
- Organizations willing to refer to HbbTV Test Assertions for the purpose of conformance should be aware of these differences

- The Test Assertion Spec is available in the Resource Library of the HbbTV web page.
- The link to the Test Assertion Repository is available at the end of the TAR spec.