

# BONDI

## BONDI – COMPLIANCE

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## 1 WHAT IS BONDI 1.0 COMPLIANCE?

BONDI 1.0 Compliance is an individual statement, made on a case-by-case basis, relating to the fulfilment of compliance against BONDI technical requirements for a given web and/or widget runtime implementation.

A statement of compliance is made by a company or organization that has both the technical capability and required authority to make this statement on behalf of a particular technology.

The compliance processes use the same underlying framework as OMTP's existing Product Profile Process, this means:

- Compliance statements are made using the BONDI compliance sheet which may be found on the BONDI portal at [TBD].
- Compliance statements are made at a granular level, which means that separate statements for each requirement or technology component are made.
- Compliance statements are self certified. The company making the statement is responsible for the veracity of the statements it makes
- Compliance is peer reviewed. A statement is made in the public domain allowing other members of the wider BONDI community to challenge any statements made

BONDI compliance builds upon the existing OMTP Product Profile with the addition of links to tests scripts.

A company submitting a compliance statement will be expected to support its claims with evidence. This means that, where applicable, the logs of the tests should be recorded with submission of the compliance statement.

## 2 CLASSES OF COMPLIANCE

BONDI currently supports three classes of compliance, to cover the primary use-cases for BONDI compliant platforms:

- 1) Widget user agent compliance: for user agents that are capable of executing a BONDI widget
- 2) Browser compliance: for user agents that are capable of executing a BONDI website
- 3) Mobile specific compliance: for user agents that comply with the mobile specific requirements of BONDI

A single technology can be compliant to all of these classes simultaneously.

### 3 VERSIONING OF BONDI COMPLIANCE

The BONDI compliance process is designed to be tightly bound to a specific version of the relevant BONDI specifications. The tests to be used for compliance statements shall be open source code. As such the tests will evolve rapidly, in terms of both breadth and quality.

For this reason, at any point in time the compliance sheet will implicitly reference the most recently approved test suite (approved by the BONDI Compliance Group). Compliance statements will always be made against a strictly versioned test suite, and this version number shall be recorded in the submission.

### 4 COMPONENTS OF A BONDI COMPLIANCE STATEMENT

There are six elements to BONDI a compliance statement

- 1) Architecture and Security Requirements: self certified statements of compliance against requirements that a BONDI user agent must support
- 2) Architecture and Security Specifications: statements of compliance against different functional element of the security policy mechanism, to be supported by test traces
- 3) Interface specifications: statements of compliance against each of the currently 13 distinct interfaces, plus generic methods at BONDI scope. These statements should be supported by test traces
- 4) Interface - Device Vocabulary: statement of compliance against the device vocabulary supported by the device API

In addition to these statements of unit compliance, and BONDI statement of compliance will include some system wide measures to further validate compliance. That is the compliance submitter must make a self declared statement that the following examples render correctly.

- 5) System test widgets: a list of widgets that should render and function correctly.
- 6) System test policies: a list of policies that should behave correctly

Both the example widgets and example policies are provided as part of the BONDI Compliance Test Kit.

Note that the current compliance suite (v1.0) does not populate the system widgets or policies, but defines the framework under which these can be added at a later date.

## 5 BONDI COMPLIANCE SCOPE

The current BONDI specification builds upon existing and evolving W3C widget specifications. The compliance of a BONDI user agent relating to these specific component specifications shall be deferred to W3C.

Specifically this relates to:

- 1) Widgets 1.0: Packaging and Configuration. <http://www.w3.org/TR/widgets/> - this work item is still ongoing. Compliance for packaging and configuration will be revisited when this item completes.
- 2) Specifications of valid content: TBD – full reference to be made

## 6 PROCESS

The process to determine BONDI 1.0 compliance contains two steps, self declaration (section 1.1 below) and execution of BONDI compliance tests (section 1.2 below). Only when both steps are fully completed, and the compliance criteria defined in each step below are fulfilled, can an implementation claim BONDI compliance.

### **1.1 SELF DECLARATION:**

To complete this step, the Vendor of a web runtime SHALL provide a statement of compliance against all discrete applicable requirements and/or specification sections contained in the BONDI 1.0 compliance spreadsheet, which can be downloaded from the BONDI website here [TBD].

#### **1.1.1 COMPLIANCE CRITERIA:**

1. All requirements marked as Mandatory are fulfilled
2. All requirements marked as Conditionally Mandatory are fulfilled, provided that the condition provided in the explanatory notes column is met.
3. The total set of Mandatory requirements is defined as the combined set of requirements defined in bullets 1 and 2 above.

The vendor SHALL document the compliance in the spreadsheet.

### **1.2 BONDI COMPLIANCE TEST RESULTS**

To complete this step, the Vendor of a web runtime MUST execute all tests provided in the BONDI 1.0 Compliance Test Kit and evaluate the test results.

#### **1.2.1 COMPLIANCE CRITERIA:**

1. The set of tests to be executed is dependent on section 1.1.1. Tests MUST be executed for the Total set of Mandatory requirements as identified in section 1.1.1 item 3
2. All assertions defined by the set of tests are true, i.e. all tests are passed.

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