

OMTP PUBLISHED



BONDI

BONDI – COMPLIANCE

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1. WHAT IS BONDI COMPLIANCE?

BONDI 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 on a given platform or device.

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

The BONDI compliance process utilises the same underlying framework as OMTP's existing Product Profile Process, this means:

- Compliance statements are made using the BONDI compliance matrix which may be found on the BONDI site [1]. Please note that the compliance matrix is dependent on the BONDI release version. Care should be taken to ensure you use the correct matrix.
- Compliance statements are made at a granular level, which means that compliance is stated against individual requirement.
- Compliance statements are self certified. The company making the statement is responsible for the veracity of any statement 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.

As stated, BONDI compliance builds upon the existing OMTP Product Profile with the addition of links to tests scripts which are maintained on the BONDI portal.

A company submitting a compliance statement shall be expected to support its claims with supporting materials. This means that where applicable, the logs of all tests shall be recorded and submitted to support the submission of a compliance statement.

2. WHAT BONDI COMPLIANCE IS NOT?

BONDI Compliance does not validate a solutions robustness to attack or security vulnerability. Any party developing commercial solutions should ensure they supplement BONDI Compliance testing with extensive security and “Penetration” testing.

BONDI Compliance tests the framework in which widgets and applications rule with regard the security architecture and APIs, it does not verify content types in terms of their form, structure, goodness or quality.

3. 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 capable of executing a BONDI widget.
2. Browser compliance: for user agents 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 may be compliant to one, two or all of these classes simultaneously.

4. 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 matrix shall implicitly reference the most recently approved test suite (approved by the BONDI Compliance Group). Compliance statements MUST always be made against a strictly versioned test suite, and this version number SHALL be recorded in the submission.

5. 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 Policy Language: statements of compliance against the policy language used within the Architecture and Security documentation.
3. Interface specifications: statements of compliance against each and all of the currently defined 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, a 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 Suite [4].

6. BONDI EXTENDED 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, and the BONDI compliance statements will be made by reference to those W3C widget specifications.

Specifically this relates to:

1. Widgets 1.0: Packaging and Configuration [2]
2. Widgets 1.0: Digital Signatures [3]

7. PROCESS

The process to determine BONDI compliance contains two steps, self declaration (section 6.1 below) and execution of BONDI compliance tests (section 6.2 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.

On completion the Self Declaration and related test logs should be sent to BONDIcompliance@omtp.org

7.1. 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 Compliance Matrix spreadsheet, which can be downloaded from the BONDI website [1].

7.1.1. 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 points 1 and 2 above.

The vendor SHALL document the compliance in the spreadsheet.

7.2. BONDI COMPLIANCE TEST RESULTS

To complete this step, the Vendor of a web runtime MUST execute all tests provided in the BONDI Compliance Test Suite [4] and evaluate the test results.

7.2.1. COMPLIANCE CRITERIA:

1. The set of tests to be executed is dependent on section 6.1.1. Tests MUST be executed for the Total set of Mandatory requirements as identified in section 6.1.1, point 3.
2. All assertions defined by the set of tests are true, i.e. all tests are passed.

7.3. SUBMISSION

On successful completion of all the test and recording of the results in the supporting log files:

1. Complete the BONDI Compliance Matrix
2. Zip the Completed Matrix with the associated log files
3. Send to BONDIcompliance@omtp.org

8. REFERENCES

No.	DOCUMENT	AUTHOR	DATE
1	BONDI Compliance Matrix (versioned): http://bondi.omtp.org/1.0/compliance/BONDI_Compliance_Matrix_v1.0.xls http://bondi.omtp.org/1.1/compliance/BONDI_Compliance_Matrix_v1.1.xls	OMTP	2010
2	Widgets 1.0: Packaging and Configuration http://www.w3.org/TR/2009/CR-widgets-20090723/	W3C	July 2009
3	Widgets 1.0: Digital Signatures http://www.w3.org/TR/2009/CR-widgets-digsig-20090625/	W3C	June 2009
4	BONDI Compliance Test Suite: http://tests.bondi.omtp.org/	OMTP	2009

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