

# Functional Test Design Specification of check\_configuration

## Test Suite Identifier

WB07-15.01

## Features to Be Tested

Functional test for check\_configuration, module specification WB02-15.32.<sup>a</sup>

## Approach

Combinatorial functional test of feature parameters, enumerated by category-partition method over parameter table on page 3 of this document.<sup>b</sup>

## Procedure

Designed for conditional inclusion in nightly test run. Build target T02\_15\_32\_11 includes JUnit harness and oracles, with test reports directed to standard test log. Test environment includes table MDB\_15\_32\_03 for loading initial test database state.

## Test cases<sup>c</sup>

WB07-15.01.C01	malformed model number
WB07-15.01.C02	model number not in DB
...	...
WB07-15.01.C09 <sup>d</sup>	valid model number with all legal required slots and some legal optional slots
...	...
WB07-15.01.C19	empty model DB
WB07-15.01.C23	model DB with a single element
WB07-15.01.C24	empty component DB
WB07-15.01.C29	component DB with a single element

## Pass/Fail Criterion

Successful completion requires correct execution of all test cases with no violations in test log.

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<sup>a</sup>An excerpt of specification WB02-15.32 is presented in Figure 11.1, page 182.

<sup>b</sup>Reproduced in Table 11.1, page 187.

<sup>c</sup>The detailed list of test cases is produced automatically from the test case file, which in turn is generated from the specification of categories and partitions. The test suite is implicitly referenced by individual test case numbers (e.g., WB07-15.01.C09 is a test case in test suite WB07-15.01).

<sup>d</sup>See sample test case specification, page 464.