

Research and Development Testbed Stand-Alone Test Plan Template

General Test Information

- A) Test plan author: *Enter author name.*
- B) Test plan completion date: *Enter date and subsequent modification dates*
- C) Component description:
Enter a brief description of the component and its features.
- A) Test assumptions, limitations, exceptions, constraints:
List descriptions of the above.
- B) Test requirements:
List requirements that this test will verify.

Test Objectives

- A) General Objectives:
List each objective of the test. Distinct objectives should have separate test cases.
- B) Test Cases:
List and summarize each test case developed.

(NOTE: The following test case template section should be copied and pasted for as many test cases as necessary to test this component)

<Title> Test Case *(Replace <Title> with a descriptive title for the test case)*

- A) Conditions exercised by this test case:
List what is tested, but not how.
- B) Type of test and extent of testing: *(X those that apply)*
 - Normal Operations. Exercises entire unit through its most typical logic path.
 - Logic Path. Exercises most critical logic paths.
 - Boundary. Exercises minimum, maximum, and null values for critical data items.
 - Negative. Exercises invalid, out-of-bound values, error handling, error messages.
 - Other. Exercises other conditions (e.g. database access, performance times, etc.).
- C) Test Case Description:
Enter a brief description for this test case.
- D) Test Case Environment:
Machine: *Enter machine model used for this test case.*
Operating System: *Enter version number and window manager if applicable.*
Oracle version: *Enter version of Oracle used for this test case.*
Database Account: *Enter database accounts used for this test case.*
- E) Test Case Input Values:
List data entries needed to execute the test case (parameter files, database, etc.)
- F) Test Case Results:
List the media for test results (direct observation, output of file, database tables, screen capture, etc.)
- G) Test Case Procedure:
List step-by-step instructions to set up, execute, terminate the test, and retrieve results.
- H) Expected output values:
List all expected output values corresponding to instructions in the test case procedure.
- I) Test Case Evaluation Criteria:
Clearly explain the criteria used to evaluate the real vs. expected output.