

# ***Research and Development Testbed Integration Test Plan Template***

## **General Integration 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) Integration test assumptions, limitations, exceptions, constraints:  
*Identify any assumptions made (e.g., database loaded with a particular set of data), limitations or constraints imposed (e.g., timing, interfaces, equipment, etc.), and exceptions required (e.g., specified limits and parameters) regarding an integration plan.*
- A) Test requirements:  
*List requirements that this integration test will verify.*

## **Integration Description**

- A) Interfaces  
*Describe how the component is integrated by explaining its interfaces with other parts of the system.*
- A) Input/output:  
*Describe the input and output for each interface.*

## **Integration Test Objectives**

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

***(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) <Title> Test Case Description:  
*Describe in general terms what this test will accomplish..*
- B) <Title> Test Case Environment:  
General: Describe the environment fo the integration testing (e.g., PIDC system).  
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.*
- C) Expected Input:  
*List the type(s) of input (file, database, data, etc.) and a description of each.*
- D) Procedure:  
*List step-by-step instructions to set up, execute, terminate the test, and retrieve results.*
- E) Expected Results:  
*List what the results should be (error-free log files, database table contents, etc.).*
- F) Evaluation and Criteria:  
*Clearly explain the criteria used and list steps to perform analysis of the component.*