

## **TEST PHASE**

**Purpose:** The Test Phase(s) verify that the system functions correctly and according to the specifications.

### **Life of the Phase:**

**Unit Test:** The phase begins during the Construction Phase when all Unit Test Plans have completed successfully.

**Integration Test:** The phase begins during the Construction Phase following completion of the Unit Tests of the interrelated modules and ends when the Integration Test Plan has completed successfully.

**System Test:** The phase begins during the Construction Phase following completion of the Unit Tests and Integration Tests and ends when the System Test Plan has completed successfully.

**Stress Test:** The phase begins during the Construction Phase following completion of the System Test and ends when the Stress Test Plan has completed successfully.

**User/Acceptance Test:** The phase begins during the Construction Phase following completion of the System Test and ends when the User/Acceptance Test Plan has \ completed successfully.

### **Test Level Definitions**

Use the following tests as appropriate. For example, you may only need to do a Unit Test and a System Test. The tests required for your project should have been identified in the External Design Phase.

**Unit Test:** Testing that occurs for each individual module that has been developed-/modified.

**Integration Test:** Testing that occurs for each group of related modules that has been created/changed within an application. For example, if you change module B, which interfaces with module C, this test will test the interface. Note that modules B and C are within the same application.

**System Test:** Testing that occurs for the functionality of the whole system that has been developed/modified. Verifies that the application and its interfaces are working.

**Stress Test:** Testing that tests the limits of the application and its interfaces. These limits will have been defined in the Investigation and External Phases. (Examples of limits are: