DATA ITEM DESCRIPTION

1. DID NUMBER: -V5.3
2. TITLE: Acceptance Test Plan
3. DESCRIPTION and intended use

An Acceptance Test Plan (ATP) describes the organisation, schedules including sequence and interdependence, responsibility, procedures and other details that are necessary for the conduct of a set of Acceptance Test Procedures (ATProcs) for specific segments or phases within the overall test program.

The Contractor uses the ATP to:

define, manage and monitor the plans for conducting specific segments or phases of the overall test program; and

ensure that those parties (including Subcontractors) who are undertaking Acceptance testing activities understand their respective responsibilities, the processes to be used, and the time-frames involved.

The Commonwealth uses the ATP to:

understand and evaluate the Contractor’s approach to meeting the Acceptance testing requirements of the Contract;

assist with monitoring the Acceptance testing activities; and

provide input to the Commonwealth Representative’s planning for Commonwealth involvement in Acceptance testing activities.

1. INTER-RELATIONSHIPS

The ATP is subordinate to the following data items, where these data items are required under the Contract:

Verification & Validation Plan (V&VP).

The ATP inter-relates with the following data items, where these data items are required under the Contract:

Verification Cross-Reference Matrix (VCRM);

Acceptance Test Procedures (ATProcs); and

Acceptance Test Reports (ATRs).

1. Applicable Documents

The following documents form a part of this DID to the extent specified herein:

Nil.

1. Preparation Instructions
   1. Generic Format and Content

The data item shall comply with the general format, content and preparation instructions contained in the CDRL clause entitled ‘General Requirements for Data Items’.

The data item shall include a traceability matrix that defines how each specific content requirement, as contained in this DID, is addressed by sections within the data item.

* 1. Specific Content
     1. General

The ATP shall be consistent with the V&VP.

* + 1. Detailed Requirements

The ATP shall separately identify each requirement, and in respect to each requirement:

describe the scope of the test;

provide a summary description of the test, including the organisation(s) involved in the test and the responsibilities of key individuals;

reference the VCRM entries that detail which requirements are being tested, and whether Verification of a requirement or Validation will be established by test, demonstration, inspection, analysis, simulation, modelling, experiment, audit, walk-through, documentation review, comparison, historical data, compliance certificate, or other means;

describe a list of all test cases including the sequence of these test cases;

provide a description of the test article, including test configuration identification;

detail system configuration and initial conditions for test;

identify any limitations, assumptions and constraints associated with the V&V activity, including any measurements that need to be taken at the time of the V&V activity to record uncontrollable conditions (eg, ambient temperature);

identify any location or environmental considerations for the conduct of the V&V activities;

state the means, or combination of means, which will be used to Verify compliance with the requirement, for example, stand-alone system, integration test;

identify, with respect to the means stated in subclause i above, whether the Verification of the requirement will be fully established by either a discrete test, as part of a test of the complete functioning system, or both;

identify the precursor test activities, if any, and the immediate successor test activities covered by a separate ATP (if applicable);

identify the subordinate test procedures that describe the test steps for each test case listed in the ATP;

include a list of parameters to be tested or measured and the means by which the system will be measured with respect to these parameters (including, if applicable, any data analysis processes required for evaluation); and

detail test equipment and documentation required for the conduct of the V&V activity, including details of whether the test organisations, facilities and equipment involved are to be appropriately certified (eg, against and applicable standard) and appropriately calibrated.

The ATP shall define the procedures to be undertaken when a test result indicates that the test article has failed, and to provide traceability of any investigation or technical follow-up, corrective actions, and retest / regression testing, to maintain the integrity of the final results and reports.

The ATP shall list those ATProcs and Acceptance Test Reports (ATRs) that are generated by the ATP.

The ATP shall define the test resources necessary to support the conduct of the test activities within the scope of the ATP.

The ATP shall reference the VCRM that provides traceability of each requirement to test item and test procedures that will Verify and Validate satisfactory compliance.