FUNCTIONAL TEST PROCEDURE
for <LRU/SYSTEM Name>
for
<Platform Name>

Issue/Rev No: 01/00
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Title:	Project/System :
FUNATIONAL TEST PROCEDURE **of<LRU/Module Name> for** **<Platform name>**	<System/Project Name>
	LRU/System Part No.
	<No.>
	Critical Level
	<A/B/C/D/E>

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			Issue	Revision	Date

Disclaimer:

This document is a guidance document. Applicable section / table rows may be considered. Any additional details may be added. Any not applicable section/ table rows may be deleted. The template is very general and vary with process to process followed by Development Agency. The document may be fine-tuned with the TAA for finalization.

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Amendment History

Issue No.	Issue Date	Brief Description of Amendment	Change Request Ref.	Affected Pages	Affected Section	Change Effective From
001		Initial Issue	NA	NA		All
002						Hw mod xx/ Sw ver x.x

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1.0 Introduction

<Give a brief overview of system, project, platform (Max one page) >

2.0 Purpose & Scope

<Mention the Purpose and scope of the Functional Test Procedure>

3.0 Applicable Documents

<All the applicable documents of the system such as tech spec, ICD, FRS, etc., applicable test equipment documents along with the document number, issue number and date of approval to be given here>

4.0 Standards Reference

<All the related standards like MIL, DO, JSS, ICAO, SAE, TSO, CEMILAC Directives etc., which are required to decide test compliance, should be given here>

5.0 Traceability Matrix

Sl.No.	Requirement Ref	FTP Test case Ref.	Remarks
	<Give reference of Technical Spec/ FRS/ICD section no. or Requirement id to indicate which requirement(s) is being tested> *<Partial, One or more requirements may get tested in one test case>*	*<Give FTP section no. & Test id to indicate which test(s) verify the requirements>* *<There may be multiple test cases to check a single requirement completely>* *<The test cases should also cover failure & abnormal behavior of inputs, outputs and the UUT>*	

<Mention whether there are any limitations in the lab level testing i.e. if some of the requirements cannot be tested or likely to show invalid outputs etc. Also mention how and at what level (rig/ aircraft/ flight trials) these requirements get tested.>

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6.0 Test Setup

<Include brief description of total test setup required for conducting the tests. Mention all the test jig/ rig/ instruments/ equipments/ simulators/ additional cards in PC etc. and their role in the testing.
Mention if any tuning/ calibration/ adjustment that is necessary before using the test equipments and the UUT.
Also give details of how each input is simulated and how each output is observed/ recorded.>

The procedure for each of the tests given in Traceability matrix is explained in section 7.0. For each of the test specified the test results shall be recorded in the relevant test sheets given in the Annexure 1. Functional Test completion shall be based on the compilation of test report and preparation of compliance chart. In case of any non compliances or deviations in the test outputs, analysis and report will be prepared in the DIR format give in Annexure –III.

7.0 Functional Test Procedure:

7.1 *Testcase-id-1* :

a) Requirement(s) being tested:
   <Give reference of tech spec / FRS / ICD sections being tested in this procedure>

b) Test procedure :
   <Give step-by-step procedure with input data range and output characteristics. Refer the test sheet to be used for recording test results of this procedure.>

7.2 *Testcase-id-2* :

a) Requirement(s) being tested:
   <Give reference of tech spec / FRS / ICD sections being tested in this procedure>

b) Test procedure :
   <Give step-by-step procedure with input data range and output characteristics. Refer the test sheet to be used for recording test results of this procedure.>

7.3 *Testcase-id-3* :

And so on until all the requirements are covered.

8.0 Abbreviations

<Give expansions of all the abbreviations used in this document>

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ANNEXURE-I

<All the test sheets/Test results recording format for the Functional tests are to be included. Each test case in Section 7 shall be part of atleast one Test sheet. Also include a table for showing compliance status of all the tests.

Test sheets should have the following data:

FTP test case reference, Hardware and software version of the unit under test, Input data, Expected and observed outputs, Remarks (on test pass/ fail, test setup related observations and deviation from the procedure etc), Signatures of the test team on each page>

ANNEXURE-II

<List of Test sheets to be filled for each of SOFT where functional checks is required >

Sl.No.	SOF Test Ref	Test sheets to be used for functional checks

ANNEXURE-III

<List of Test sheets to be filled for each of QT where functional checks is required >

Sl.No.	Qualification Test Ref	Test sheets to be used for functional checks