

## Rubric for Test Plan and Test Cases

Create a test plan and at least two test case descriptions for the project

Dimension	Weight	Proficient 4 - excellent	Acceptable 3- good	Needs Improvement 2- fair	Unacceptable 1- poor	Pts.
<b>General Document Requirements</b>	<b>10%</b>	The test plan includes title (identifying the project and the document as a test plan), author(s), date/revision number, page numbers, and appropriate section headers	Test plan is missing only one of the elements listed	Teest plan is missing two of the elements listed	Test plan is missing three or more elements listed	0
<b>References</b>	<b>10%</b>	The test plan includes a references section that identifies the requirements document(s) and other documents or standards needed to write/understand the test plan and test cases along with their version numers/date	References section omits a document (other than requirements document) or fails to identify version number or date	References section omits reference to the requirements document(s) for the project	Test plan doesn't have a references section	0
<b>Objectives</b>	<b>10%</b>	The test plan has an objectives section that clearly identifies the objective(s) of the testing (e.g. one or more of unit tests, integration tests, functionality, performance, stress, parametric, acceptance tests)	Objectives section fails to clearly identify a purpose/type of test that either should be included or for which there are test cases	Objectives section fails to identify two or more critical purposes/types of test that should be included in test plan	The test plan doesn't have an objectives section	0

**Resources**

**10%**

Test plan includes a resources section the clearly identifies all resources necessary to test the project (these should include personnel (and skills required/education level), test/measurement equipment, prototypes/components/modules/subsystems/artifacts, hardware, software, PCs, operating systems, drivers, and versions, as appropriate

Resources section is missing at most one major resource or neglects specific version of software (e.g. Windows 10) or qualifications for personnel

Resources section is missing at most two major resources (e.g. personnel and qualifications, instrumentation)

The test plan doesn't have a resources section or is missing three or more major resources

<p><b>Outline</b></p> <p><b>25%</b></p>	<p>Hierarchical list of test cases presented in outline form so that test cases are grouped by purpose/objective (e.g. functional, parametric, unit) then by area (e.g. of function or module), each test case with a unique identifier (e.g. hierarchical number or function/module name and number), and a short (e.g. one line) description of the objective of the test case. Outline includes at least two areas (e.g unit tests, functional tests, parametric tests, error tests), several tests identified for each.</p>	<p>Insufficient number of tests identified or tests missing unique identifiers</p>	<p>Outline doesn't include at least two areas</p>	<p>Outline missing or no test cases identified</p>	<p>0</p>
<p><b>Test Cases</b></p> <p><b>35%</b></p>	<p>At least two test cases described in detail. Test cases correlate with the outline (by unique identifier). Each test case identifies purpose of test, equipment/resources needed, conditions, inputs, and expected results, preferably in tabular form</p>	<p>Tests cases are missing at most on element of: unique identifier, purpose, equipment/resources, preconditions, inputs, expected results</p>	<p>Test cases are missing at most two elements</p>	<p>Test cases missing three or more elements, or there are fewer than two test cases</p>	<p>0</p>

0%