
Space systems — General test documentation

Systèmes spatiaux — Documentation générale d'essais



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 17566 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 14, *Space systems and operations*.

Introduction

This International Standard provides the minimum requirements for generating test documentation for an individual test of a spacecraft, subsystem or unit. Specifically, information and templates are included which simplify and standardize the writing of the test documentation described herein.

This International Standard covers four types of test documentation:

- test plan;
- test specification;
- test procedure;
- test report.

The scope of this International Standard does not include overall programme test planning. A specific test plan can also be part of the overall spacecraft project test plan.

Although these documents are functionally independent, there is some overlap of the information contained in each. These documents can be combined as appropriate, depending on the nature and complexity of the test in question. For example, for a test of moderate complexity, the test plan and test specification can be combined into one document. For very simple tests, such as unit tests, it may be appropriate to combine the test plan, specification and procedure all into one document. Guidance on combining documents to handle these situations is provided in Clause 4.