TECHNICAL REPORT

ISO/TR 17400

Second edition
2021-08

Space systems — Space launch complexes, integration sites and other facilities — General testing guidelines

Systèmes spatiaux — Complexes de lancement spatial, sites d'intégration et autres installations — Lignes directrices pour les essais

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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

This second edition cancels and replaces the first edition (ISO/TR 17400:2003), which has been technically revised.

The main changes compared to the previous edition are as follows:

— in the document all recommendations (“should”) were replaced by other verbs (“is”, “are”), all permissions (“may”) were replaced by “can”;

— the term “main system” was updated;

— 3.1, 5.5, 6.3.3, 6.6.5, 6.6.8 were specified according to comments and proposals of the subcommittee experts.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The purpose of this document is describing the uniform practices for organizing the tests and promoting verification of all parameters and characteristics of various launch complexes. It is necessary to define the functions and to coordinate the activities of all the test participants, namely, the developers of complexes and systems, the manufacturers of systems and equipment, the organizers of tests, the customer, and others.

This document describes test activities and lists who will be responsible for the testing at launch pad and integration sites for launch vehicle and spacecraft.