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Space systems — Programme management —

Part 1: Structuring of a project

*Systèmes spatiaux — Management de programme —
Partie 1: Structuration d'un projet*



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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.

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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 14300-1 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 14300-1:2001), which has been technically revised.

ISO 14300 consists of the following parts, under the general title *Space systems — Programme management*:

- *Part 1: Structuring of a project*
- *Part 2: Product assurance*

Introduction

This part of ISO 14300 provides an overview and requirements of space programme management with the overall objective of optimizing performance, costs and schedules and of minimizing the risks.

Programme management is an integral element of any programme, but, in space, it is particularly important due to the following:

- specific environmental conditions in space;
- need for a high level of performance;
- limited number of models;
- limited access to the product during operations;
- quasi-impossibility of making repairs in the case of failure during flight;
- often high complexity of the organization;
- associated high costs involved.

The deployment of this standardized common set of programme management requirements should encourage and facilitate international space co-operation.