

Space systems — Project reviews

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National foreword

This British Standard is the UK implementation of ISO 21349:2007.

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A list of organizations represented on this committee can be obtained on request to its secretary.

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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 21349 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 14, *Space systems and operations*.

Introduction

Space systems are very complex, incorporating many different technologies. Space programmes can last for many years, progressing through several different stages from conception to disposal or other disposition. When a space programme advances from one stage to another, substantial changes in the type and amount of resources required can occur. In addition, there may be attendant risks to either the success of the project or to the well being of project equipment or to personnel. Well-regulated project reviews can be an important factor in ensuring that all factors are ready for these changes, and that the risks are well understood and accepted. Use of this International Standard as a basis for the activities comprising a review, their necessary resources, controls, inputs and results is intended to enhance communication between different organizations that participate in a review process, and to reduce the costs of planning and performing reviews.

Space systems — Project reviews

1 Scope

This International Standard provides process requirements for project reviews as a set of required functions. The requirements and recommendations cover the function inputs, outputs, mechanisms and controlling conditions. It is intended for use in implementing the review requirements of ISO 14300-1, ISO 14300-2, ISO 15865 and such other space systems and operations standards that require formal reviews.

This International Standard specifies the responsibilities of a review board and gives guidance concerning review board composition.

This International Standard is applicable to reviews for a project at any level within a larger project, as well as for major milestone reviews at the top level of a major project. It is intended to be used either by an independent developer as a basis for enterprise processes, or as a basis for an agreement between a supplier and a customer.

This International Standard also provides normative descriptions of the kinds of reviews that are commonly useful in assuring the success of a space project.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 14300-1:2001, *Space systems — Programme management — Part 1: Structuring of a programme*

ISO 17666, *Space systems – Risk management*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

independent expert

person highly qualified in some aspect of the technical content of the project review who does not have a personal conflict of interest concerning the outcome of the review

3.2

milestone

designated project status that indicates the amount of progress made toward project completion, or that should be achieved before the project proceeds to a new phase

3.3

milestone criteria

observable facts that indicate a milestone has been reached