TECHNICAL REPORT

ISO/TR 23462

First edition 2007-07-01

Space systems — Guidelines to define the management framework for a space project

Systèmes spatiaux — Lignes directrices pour définir le cadre de management pour un projet spatial

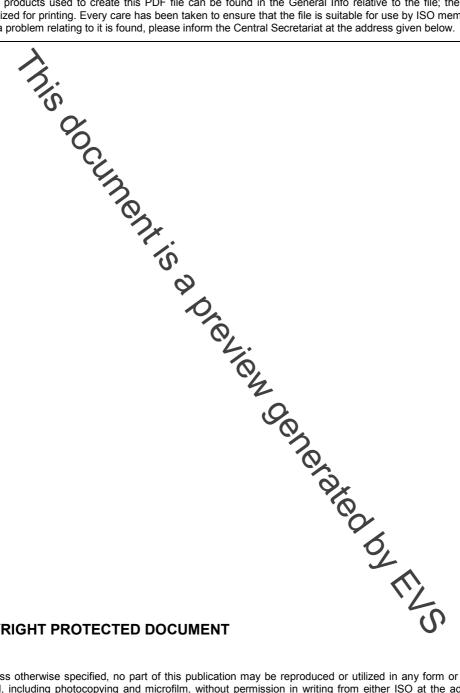


PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below





COPYRIGHT PROTECTED DOCUMENT

© ISO 2007

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Case postale 56 • CH-1211 Geneva 20 Tel. + 41 22 749 01 11 Fax + 41 22 749 09 47 E-mail copyright@iso.org Web www.iso.org

Published in Switzerland

| Con | tents | Page |
|------------|--|--------|
| Forew | /ord | iv |
| Introd | luction | v |
| 1 | Scope | 1 |
| 2 | Terms and definitions | 1 |
| 3 | Process to stablish the programme/project management framework | 2 |
| 4 | Process implementation guidelines | 2 |
| 4.1 | General guidelines | 2 |
| 4.2 4.3 | Establishing the programme/project management framework document | 2 9 |
| | graphygraphy | |
| | Process implementation guidelines General guidelines Establishing the programme/project management framework document Maintaining the programme/project management framework document. graphy Gra | |

© ISO 2007 – All rights reserved iii

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 Maison 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.

In exceptional circumstances, when a technical committee has collected data of a different kind from that which is normally published as an International Standard ("state of the art", for example), it may decide by a simple majority vote of its participating members to publish a Technical Report. A Technical Report is entirely informative in nature and does not have to be reviewed until the data it provides are considered to be no longer valid or useful.

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/TR 23462 was prepared by Technical Committee ISO/TC 20, Aircraft and space vehicles, Subcommittee SC 14, Space systems and operations.

Introduction

Many documents exist which address programme/project management, and elements of these are also addressed in ISO 14300-1 and ISO 14300-2. This Technical Report complements the aforementioned documents by providing an overall concise, single source approach for establishing the basis for managing a specific programme/project.

- help the programme/project manager to prepare the programme/project specific management framework,

- of this Technical.

 p the programme project nit an input to be used for developit.

 romote consistency and best practice in an minimize planning omissions thus reducing risks;

 be used as a top level document, in conjunction with programme/project management.

 facilitate a harmonized approach to decision making in the field comanagement.

 This Technical Report supports the application of ISO 14300-1 and ISO 14300-2. be used as a top level document, in conjunction with the application of standards in space
 - decision making in the field of space programme/project

© ISO 2007 - All rights reserved

Inis document is a preview denetated by EUS

Space systems — Guidelines to define the management framework for a space project

1 Scope

This Technical Report provides a framework within which an organization can establish the basis for the development of programme/project management specifications and plans when undertaking the execution of a specific programme/project. It enables the programme/project manager to establish the criteria for programme/project success and to secure the organization's commitment to the programme/project manager's management approach for the overall programme/project and its constituent elements. It includes guidelines leading to the establishment of a programme/project management framework, and identification of practices to be applied. Following these guidelines also results in traceability of the considerations and decisions on why and how the programme/project is conducted according to its specific characteristics.

This Technical Report provides a point approach for programme/project managers to apply their organization's programme/project management practices when defining the management framework for programme/project planning. It is based or systematic method of

- defining the programme/project objectives and success criteria,
- identifying and elaborating the specific characteristics of their programme/project,
- specifying the management elements needed,
- establishing and agreeing the management approaches to be implemented,
- compiling these into a programme/project management framework document.

The guidelines in this Technical Report are applicable to any organization undertaking the execution of space programmes/projects.

2 Terms and definitions

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

2.1

management approaches

considerations developed for management elements

NOTE Management approaches are used in establishing the programme/project management framework.

2.2

programme/project management framework

collection of management approaches defined for programme/project management elements

NOTE The programme/project management framework is used as a reference basis upon which to establish programme/project management plans.