

This is a preview of "ISO 16192:2010". [Click here to purchase the full version from the ANSI store.](#)

First edition  
2010-06-15

---

---

## **Space systems — Experience gained in space projects (Lessons learned) — Principles and guidelines**

*Systèmes spatiaux — Évaluation de la connaissance pratique —  
Principes et lignes directrices*



Reference number  
ISO 16192:2010(E)

© ISO 2010

This is a preview of "ISO 16192:2010". [Click here to purchase the full version from the ANSI store.](#)

**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 2010

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](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of "ISO 16192:2010". [Click here to purchase the full version from the ANSI store.](#)

## Contents

Page

Foreword .....	iv
Introduction.....	v
<b>1 Scope .....</b>	<b>1</b>
<b>2 The role of a lessons learned activity .....</b>	<b>1</b>
2.1 General .....	1
2.2 Identification and collection .....	2
2.3 Analysis, classification and issuing of recommendations .....	2
2.4 Recording .....	2
2.5 Information availability .....	2
<b>3 Lessons learned management.....</b>	<b>2</b>
3.1 The main applications of the lessons learned.....	2
3.2 Information sources for the lessons learned .....	3
<b>4 The lessons learned process .....</b>	<b>3</b>
4.1 General .....	3
4.2 Process steps .....	3
4.3 Description of lessons learned process steps.....	4
<b>5 Content of the lessons learned record.....</b>	<b>5</b>
5.1 General .....	5
5.2 Detailed content.....	5
<b>6 Lessons learned implementation .....</b>	<b>6</b>
6.1 General .....	6
6.2 Application .....	6
6.3 Responsibility .....	6
<b>7 Effectiveness of the lessons learned process .....</b>	<b>6</b>
<b>Annex A (informative) Lessons learned process.....</b>	<b>7</b>
<b>Annex B (informative) Generic lessons learned forms .....</b>	<b>8</b>
<b>Annex C (informative) Short lessons learned form .....</b>	<b>11</b>
<b>Bibliography.....</b>	<b>12</b>

## 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 16192 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 14, *Space systems and operations*.

This is a preview of "ISO 16192:2010". [Click here to purchase the full version from the ANSI store.](#)

## Introduction

In order to improve the quality of products and to work efficiently, it is important to consider past experiences and how the knowledge of those experiences is transmitted. The aim is to decrease errors (in terms of both quantity and gravity), improve working methods and decrease risks of nonconformity to specified objectives (management, technical, quality, costs and schedules).

In the process of lessons learned, future space projects or programmes are intended to draw benefit from past experience, by capturing and communicating knowledge from the past through recording, classifying and making the information available.

An efficient processing of lessons learned is considered essential for

- ongoing efficiency and quality improvement inside any organization, and
- successful project management.