

INTERNATIONAL  
STANDARD

ISO  
16192

Second edition  
2017-04

---

---

**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 16192:2017(E)

© ISO 2017



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
copyright@iso.org  
www.iso.org

# Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 The role of a lessons learned activity</b> .....	<b>2</b>
4.1 Role.....	2
4.2 Information availability.....	2
<b>5 Lessons learned management</b> .....	<b>2</b>
5.1 The main applications of the lessons learned.....	2
5.2 Information sources for the lessons learned.....	3
<b>6 The lessons learned process</b> .....	<b>3</b>
6.1 General.....	3
6.2 Process steps.....	4
6.3 Description of lessons learned process steps.....	6
6.3.1 Data and information collection.....	6
6.3.2 Selection of the lessons learned cases.....	6
6.3.3 Validation and acceptance of the selected lessons learned.....	6
6.3.4 Classification of the selected lessons learned.....	6
6.3.5 Recording of the selected cases.....	6
6.3.6 Recommendation of applicable lessons learned to a new project.....	6
6.3.7 Measurement or assessment of the results of the lessons learned process.....	6
<b>7 Content of the lessons learned record</b> .....	<b>7</b>
7.1 General.....	7
7.2 Detailed content.....	7
7.2.1 General.....	7
7.2.2 Background of the root event.....	7
7.2.3 The lessons learned.....	7
7.2.4 Resulting recommendations and actions.....	7
<b>8 Lessons learned implementation</b> .....	<b>7</b>
8.1 General.....	7
8.2 Application.....	8
8.3 Responsibility.....	8
<b>9 Effectiveness of the lessons learned process</b> .....	<b>8</b>
<b>Annex A (informative) Generic lessons learned forms</b> .....	<b>9</b>
<b>Annex B (informative) Short lessons learned form</b> .....	<b>12</b>
<b>Bibliography</b> .....	<b>13</b>