

---

**Space systems — General test  
requirements for launch vehicles**

*Systèmes spatiaux — Exigences générales d'essai pour véhicules  
lan ceurs*

www.iso.org/iso/24917



Reference number  
ISO 24917:2010 (E)

© ISO 2010

**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 0111  
Fax + 41 22 749 0947  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

|  |    |
|--|----|
| Foreword .....   | iv |
| Introduction .....   | v  |
| 1 Scope .....  | 1  |
| 2 Normative references .....   | 1  |
| 3 Terms and definitions .....  | 1  |
| 4 Abbreviated terms .....  | 5  |
| 5 Testing philosophy .....   | 6  |
| 5.1 Objectives, tasks and principles of launch vehicle and rocket unit experimental optimization ..... | 6  |
| 5.2 LV and rocket unit test types during their development .....                                       | 10 |
| 6 Test type and programme requirements .....   | 12 |
| 6.1 Test object and type requirements .....  | 12 |
| 6.2 General requirements to ground test programme and individual test programme .....                  | 25 |
| 6.3 General test object requirements .....   | 28 |
| 7 Criteria .....   | 28 |
| 8 Reporting .....  | 28 |
| Annex A (informative) Manufacturing stage, item categories and test categories .....                   | 29 |
| Annex B (informative) Requirements applicability matrix .....  | 30 |
| Annex C (informative) Typical test report contents .....   | 31 |
| Annex D (informative) Typical test programme contents .....  | 32 |
| Bibliography .....   | 35 |