

INTERNATIONAL
STANDARD

ISO
16091

Second edition
2018-08

Space systems — Integrated logistic support

Systèmes spatiaux — Soutien logistique intégré



Reference number
ISO 16091:2018(E)

© ISO 2018



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms, definitions and abbreviated terms	1
4 Fundamentals requirements of integrated logistics support	6
4.1 Project context.....	6
4.2 Integration Logistics Support main concepts.....	7
4.2.1 Integration Logistics Support concept.....	7
4.2.2 Integrated Logistics Support planning.....	7
4.2.3 Life cycle cost.....	8
5 Management requirements for ILS	9
5.1 Control of logistic activities.....	9
5.1.1 Objectives and requirements.....	9
5.1.2 Control of risks.....	10
5.1.3 Concurrent development.....	10
5.1.4 Validation.....	10
5.1.5 Customer participation.....	10
5.1.6 Integration and synchronization.....	10
5.1.7 Work breakdown structure.....	11
5.1.8 Appropriate phasing.....	11
5.2 Logistic support.....	11
5.2.1 Customer summary.....	11
5.2.2 Supplier response.....	12
5.2.3 Strategy.....	12
5.3 Reports.....	12
5.3.1 Overall project report.....	12
5.3.2 Project review report.....	12
5.3.3 Lessons learned report.....	13
6 Management requirements for logistic support analysis	13
6.1 Control of logistic analyses.....	13
6.2 Study and validation of support requirements.....	13
6.2.1 General.....	13
6.2.2 Identification of logistic support elements.....	14
6.2.3 Assessment of resources.....	14
6.2.4 Technology impact.....	15
6.2.5 Evaluation of alternatives.....	15
6.2.6 Test, evaluation and validation.....	15
6.3 Requirements for LSA reports.....	15
7 Management requirements for support elements	15
7.1 General.....	15
7.2 Control of support element activities.....	16
7.3 Support element definition and development.....	16
7.3.1 Operation and maintenance task identification.....	16
7.3.2 Customer defined location.....	16
7.3.3 Prediction of consumption.....	16
7.3.4 Support.....	17
7.3.5 Unexpected operational events.....	17
7.4 Management of the production of support elements.....	17
7.4.1 General.....	17
7.4.2 Re-use of equipment.....	18
7.4.3 Provisioning plan.....	18