



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN ISO 16091:2003

ICS 49.140

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel: (01) 807 3800
Tel: (01) 807 3838

SPACE SYSTEMS - INTEGRATED LOGISTIC

SUPPORT (ISO 16091:2002)

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:

February 21, 2003

NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW

© NSAI 2003

Price Code N

Údarás um Chaighdeán Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 16091

December 2002

ICS 49.140

English version

Space systems - Integrated logistic support (ISO 16091:2002)

Systèmes spatiaux - Soutien logistique intégré (ISO
16091:2002)

Raumfahrtsysteme - Integrierte Logistikunterstützung (ISO
16091:2002)

This European Standard was approved by CEN on 24 June 2002.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

	page
Foreword	4
Introduction	5
1 Scope	6
1.1 General	6
1.2 Tailoring	6
2 Normative references	6
3 Terms, definitions and abbreviated terms	6
3.1 Terms and definitions	6
3.2 Abbreviated terms	10
4 Fundamentals of integrated logistic support	11
4.1 Project context	11
4.2 ILS main concepts	12
4.2.1 Integration concept	12
4.2.2 Availability, supportability and human factors	12
4.2.3 Life cycle cost and operational risk	12
5 Management requirements for ILS	13
5.1 General	13
5.2 Control of logistic activities	14
5.2.1 Objectives and requirements	14
5.2.2 Control of risks	14
5.2.3 Concurrent development	14
5.2.4 Validation	14
5.2.5 Customer participation	14
5.2.6 Integration and synchronization	15
5.2.7 Work breakdown structure	15
5.2.8 Appropriate phasing	15
5.3 Logistic support	15
5.3.1 Customer summary	15
5.3.2 Supplier response	16
5.3.3 Strategy	16
5.4 Reports	16
5.4.1 Overall project report	16
5.4.2 Project review report	17
5.4.3 Lessons learned report	17
6 Management requirements for logistic support analysis	17
6.1 Control of logistic analyses	17
6.2 Study and validation of support requirements	17
6.2.1 General	17
6.2.2 Identification of logistic support elements	18
6.2.3 Assessment of resources	18
6.2.4 Technology impact	19
6.2.5 Evaluation of alternatives	19
6.2.6 Test, evaluation and validation	19
6.3 Requirements for LSA reports	19
7 Management requirements for support elements	20
7.1 General	20
7.2 Control of support element activities	20
7.3 Support element definition and development	20

7.3.1	Operation and maintenance task identification.....	20
7.3.2	Customer defined location	21
7.3.3	Prediction of consumption	21
7.3.4	Support	21
7.3.5	Unexpected operational events.....	21
7.4	Management of the production of support elements.....	21
7.4.1	General.....	21
7.4.2	Re-use of equipment	22
7.4.3	Provisioning plan.....	22
7.4.4	Support equipment acquisition plan	22
7.4.5	Support facilities plan	23
7.4.6	Packaging, handling, storage and transportation plan	23
7.4.7	Software support plan	23
7.4.8	Technical assistance plan	23
7.4.9	Manpower allocation	23
7.4.10	Training plan	24
8	ILS requirements for information management	24
8.1	Integration of logistic support into overall information/documentation management	24
8.2	Data processing	24
8.2.1	General.....	24
8.2.2	Logistic support data items.....	24
8.2.3	Pertinent data	25
8.2.4	Performance reports.....	25
8.2.5	Logistic support data	25
8.2.6	Validated data.....	25
8.2.7	Data flow	26
8.2.8	Data control	26
8.3	Information system installation/operation	26
8.3.1	Media and interface requirements	26
8.3.2	Information system.....	26
	Bibliography	27

EN ISO 16091:2002 (E)

Foreword

This document EN ISO 16091:2002 has been prepared by CMC, in collaboration with Technical Committee ISO/TC 20 "Aircraft and space vehicles".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2003, and conflicting national standards shall be withdrawn at the latest by June 2003.

The European Standard EN ISO 16091 was prepared by the European Cooperation for Space Standardization (ECSS) Management Standards Working Group for CEN in close collaboration with ISO Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee, SC 14, *Space systems and operations*, WG 3, *Operations and ground support*.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.



This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- Looking for additional Standards? Visit Intertek Inform Infostore
- Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation