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Standards

Irish Standard  
I.S. EN 16602-80:2018

# Space product assurance - Software product assurance

**I.S. EN 16602-80:2018**

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## National Foreword

I.S. EN 16602-80:2018 is the adopted Irish version of the European Document EN 16602-80:2018, Space product assurance - Software product assurance

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EUROPEAN STANDARD

**EN 16602-80**

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EUROPÄISCHE NORM

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English version

## Space product assurance - Software product assurance

Assurance produit des projets spatiaux - Assurance  
produit logiciel

Raumfahrtproduktsicherung - Software-  
Produktsicherung

This European Standard was approved by CEN on 12 October 2018.

CEN and CENELEC 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 CEN-CENELEC Management Centre or to any CEN and CENELEC 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 and CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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## Table of contents

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<b>European Foreword</b> .....	<b>7</b>
<b>1 Scope</b> .....	<b>8</b>
<b>2 Normative references</b> .....	<b>9</b>
<b>3 Terms, definitions and abbreviated terms</b> .....	<b>10</b>
3.1 Terms for other standards.....	10
3.2 Terms specific to the present standard .....	10
3.3 Abbreviated terms.....	16
3.4 Nomenclature .....	18
<b>4 Space system software product assurance principles</b> .....	<b>19</b>
4.1 Introduction.....	19
4.2 Organization of this Standard .....	20
4.3 Tailoring of this Standard .....	22
<b>5 Software product assurance programme implementation</b> .....	<b>23</b>
5.1 Organization and responsibility .....	23
5.1.1 Organization.....	23
5.1.2 Responsibility and authority .....	23
5.1.3 Resources.....	24
5.1.4 Software product assurance manager/engineer .....	24
5.1.5 Training.....	24
5.2 Software product assurance programme management.....	25
5.2.1 Software product assurance planning and control.....	25
5.2.2 Software product assurance reporting.....	26
5.2.3 Audits.....	27
5.2.4 Alerts.....	27
5.2.5 Software problems .....	27
5.2.6 Nonconformances .....	28
5.2.7 Quality requirements and quality models.....	29

5.3	Risk management and critical item control.....	29
5.3.1	Risk management .....	29
5.3.2	Critical item control.....	29
5.4	Supplier selection and control.....	30
5.4.1	Supplier selection.....	30
5.4.2	Supplier requirements .....	30
5.4.3	Supplier monitoring .....	30
5.4.4	Criticality classification .....	31
5.5	Procurement.....	31
5.5.1	Procurement documents .....	31
5.5.2	Review of procured software component list .....	31
5.5.3	Procurement details .....	32
5.5.4	Identification.....	32
5.5.5	Inspection .....	32
5.5.6	Exportability .....	32
5.6	Tools and supporting environment.....	32
5.6.1	Methods and tools.....	32
5.6.2	Development environment selection .....	33
5.7	Assessment and improvement process .....	34
5.7.1	Process assessment.....	34
5.7.2	Assessment process .....	34
5.7.3	Process improvement .....	35
<b>6</b>	<b>Software process assurance.....</b>	<b>37</b>
6.1	Software development life cycle.....	37
6.1.1	Life cycle definition.....	37
6.1.2	Process quality objectives .....	37
6.1.3	Life cycle definition review.....	37
6.1.4	Life cycle resources .....	37
6.1.5	Software validation process schedule .....	38
6.2	Requirements applicable to all software engineering processes .....	38
6.2.1	Documentation of processes.....	38
6.2.2	Software dependability and safety.....	39
6.2.3	Handling of critical software .....	41
6.2.4	Software configuration management.....	43
6.2.5	Process metrics .....	45
6.2.6	Verification .....	46
6.2.7	Reuse of existing software .....	49

**EN 16602-80:2018 (E)**

6.2.8	Automatic code generation.....	52
6.3	Requirements applicable to individual software engineering processes or activities.....	53
6.3.1	Software related system requirements process.....	53
6.3.2	Software requirements analysis .....	53
6.3.3	Software architectural design and design of software items .....	55
6.3.4	Coding .....	56
6.3.5	Testing and validation .....	57
6.3.6	Software delivery and acceptance.....	62
6.3.7	Operations .....	63
6.3.8	Maintenance .....	64
<b>7</b>	<b>Software product quality assurance.....</b>	<b>66</b>
7.1	Product quality objectives and metrication .....	66
7.1.1	Deriving of requirements .....	66
7.1.2	Quantitative definition of quality requirements .....	66
7.1.3	Assurance activities for product quality requirements.....	66
7.1.4	Product metrics .....	66
7.1.5	Basic metrics.....	67
7.1.6	Reporting of metrics .....	67
7.1.7	Numerical accuracy.....	67
7.1.8	Analysis of software maturity.....	68
7.2	Product quality requirements .....	68
7.2.1	Requirements baseline and technical specification .....	68
7.2.2	Design and related documentation.....	69
7.2.3	Test and validation documentation.....	69
7.3	Software intended for reuse.....	70
7.3.1	Customer requirements.....	70
7.3.2	Separate documentation .....	70
7.3.3	Self-contained information.....	70
7.3.4	Requirements for intended reuse .....	70
7.3.5	Configuration management for intended reuse.....	70
7.3.6	Testing on different platforms.....	71
7.3.7	Certificate of conformance .....	71
7.4	Standard ground hardware and services for operational system.....	71
7.4.1	Hardware procurement .....	71
7.4.2	Service procurement.....	71
7.4.3	Constraints.....	72



7.4.4	Selection .....	72
7.4.5	Maintenance .....	72
7.5	Firmware .....	72
7.5.1	Device programming .....	72
7.5.2	Marking .....	73
7.5.3	Calibration.....	73
<b>Annex A (informative) Software documentation.....</b>		<b>74</b>
<b>Annex B (normative) Software product assurance plan (SPAP) - DRD .....</b>		<b>80</b>
B.1	DRD identification.....	80
B.1.1	Requirement identification and source document.....	80
B.1.2	Purpose and objective.....	81
B.2	Expected response.....	82
B.2.1	Scope and content.....	82
B.2.2	Special remarks .....	86
<b>Annex C (normative) Software product assurance milestone report (SPAMR) - DRD .....</b>		<b>87</b>
C.1	DRD identification.....	87
C.1.1	Requirement identification and source document.....	87
C.1.2	Purpose and objective.....	88
C.2	Expected response.....	88
C.2.1	Scope and content.....	88
C.2.2	Special remarks .....	89
<b>Annex D (normative) Tailoring of this Standard based on software criticality.....</b>		<b>90</b>
D.1	Software criticality categories .....	90
D.2	Applicability matrix.....	91
<b>Annex E (informative) List of requirements with built-in tailoring capability.....</b>		<b>102</b>
<b>Annex F (informative) Document organization and content at each milestone.....</b>		<b>103</b>
F.1	Introduction.....	103
F.2	ECSS-Q-ST-80 Expected Output at SRR .....	103
F.3	ECSS-Q-ST-80 Expected Output at PDR .....	105
F.4	ECSS-Q-ST-80 Expected Output at CDR .....	110
F.5	ECSS-Q-ST-80 Expected Output at QR .....	112
F.6	ECSS-Q-ST-80 Expected Output at AR.....	113

**EN 16602-80:2018 (E)**

F.7 ECSS-Q-ST-80 Expected Output not associated with any specific milestone review ..... 115

**Bibliography..... 117**

**Figures**

Figure 4-1: Software related processes in ECSS Standards..... 20  
Figure 4-2: Structure of this Standard..... 21  
Figure A-1 : Overview of software documents ..... 74

**Tables**

Table A-1 : ECSS-E-ST-40 and ECSS-Q-ST-80 Document requirements list (DRL) ..... 75  
Table B-1 : SPAP traceability to ECSS-E-ST-40 and ECSS-Q-ST-80 clauses ..... 80  
Table C-1 : SPAMR traceability to ECSS-Q-ST-80 clauses ..... 87  
Table D-1 : Software criticality categories..... 90  
Table D-2 : Applicability matrix based on software criticality ..... 91

## European Foreword

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This document (EN 16602-80:2018) has been prepared by Technical Committee CEN/CLC/JTC 5 “Space”, the secretariat of which is held by DIN (Germany).

This document (EN 16602-80:2018) originates from ECSS-Q-ST-80C Rev.1.

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 May 2019, and conflicting national standards shall be withdrawn at the latest by May 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a standardization request given to CEN by the European Commission and the European Free Trade Association.

This document has been developed to cover specifically space systems and will therefore have precedence over any EN covering the same scope but with a wider do-main of applicability (e.g. : aerospace).

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

# 1 Scope

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This Standard defines a set of software product assurance requirements to be used for the development and maintenance of software for space systems. Space systems include manned and unmanned spacecraft, launchers, payloads, experiments and their associated ground equipment and facilities. Software includes the software component of firmware.

This Standard also applies to the development or reuse of non-deliverable software which affects the quality of the deliverable product or service provided by a space system, if the service is implemented by software.

ECSS-Q-ST-80 interfaces with space engineering and management, which are addressed in the Engineering (-E) and Management (-M) branches of the ECSS System, and explains how they relate to the software product assurance processes.

This standard may be tailored for the specific characteristic and constraints of a space project in conformance with ECSS-S-ST-00.

Tailoring of this Standard to a specific business agreement or project, when software product assurance requirements are prepared, is also addressed in clause 4.3.

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