

E DIN EN 16601-70:2022-03 (E)

Erscheinungsdatum: 2022-01-28

**Space project management - Integrated support and services engineering (ISSE);
English version prEN 16601-70:2022**

Contents	Page
European Foreword	5
1 Scope	6
2 Normative references	7
3 Terms, definitions and abbreviated terms	8
3.1 Terms from other standards.....	8
3.2 Terms specific to the present standard	8
3.3 Abbreviated terms.....	9
3.4 Nomenclature	10
4 Principles	11
4.1 General principles.....	11
4.1.1 ISSE objectives.....	11
4.1.2 ISSE process	11
4.2 ISSE performance assessment.....	12
4.2.1 General overview	12
4.2.2 Operational availability, safety.....	12
4.2.3 ISSE Cost Drivers	12
4.3 ISSE Discipline Interfaces.....	13
4.3.1 Common terminologies of ISSE	13
4.3.2 Overview.....	14
4.3.3 System engineering	16
4.3.4 Space system production and operation	16
4.3.5 Quality assurance	17
4.3.6 Dependability and safety	17
4.4 Overview of ISSE tasks per project phase	17
4.4.1 Overview.....	17
4.4.2 Phase 0 Overview: Mission analysis-need identification.....	18
4.4.3 Phase A Overview: Feasibility.....	18
4.4.4 Phase B Overview: Preliminary definition.....	19
4.4.5 Phase C Overview: Detailed definition	19

4.4.6	Phase D Overview : Entry into Service - Qualification and production.....	21
4.4.7	Phase E Overview: Operations / utilization.....	22
4.4.8	Phase F Overview: Disposal	22
4.5	ISSE Requirement Validation and Verification Management.....	23
5	Requirements.....	24
5.1	Introduction.....	24
5.2	ISSE Requirement Management	24
5.2.1	General	24
5.2.2	Requirements.....	24
5.3	ISSE Technical Management	25
5.3.1	ISSE Technical Disciplines.....	25
5.3.2	Product Support & Services Analysis (PSSA)	26
5.3.3	Maintenance Plan	27
5.3.4	Resources and Skills.....	27
5.3.5	Support equipment.....	28
5.3.6	Support Software Analysis (SSA).....	28
5.3.7	Technical Publication	29
5.3.8	Training.....	30
5.3.9	Information System	31
5.3.10	Facilities / Infrastructures	31
5.3.11	Packaging, Handling, Storage, Transportation (PHST)	32
5.3.12	Obsolescence	32
5.3.13	Spares Management.....	33
Annex A	(normative) ISSE Plan (ISSEP) - DRD	34
A.1	DRD identification	34
A.1.1	Requirement identification and source document.....	34
A.1.2	Purpose and objective.....	34
A.2	Expected response	34
A.2.1	Scope and content	34
A.2.2	Special remarks	36
Annex B	(normative) Product Support and Services Analysis Plan (PSSAP) - DRD	37
B.1	DRD identification	37
B.1.1	Requirement identification and source document.....	37
B.1.2	Purpose and objective.....	37
B.2	Expected response	37

B.2.1	Scope and content	37
Annex C (informative)	ISSE documents delivery per Design review	39
Bibliography	40
Figures		
Figure 4-1:	ISSE Key Discipline Interfaces	15
Figure 5-1:	ISSE Technical Disciplines Management	25
Tables		
Table C-1 :	ISSE Documents Delivery per Review	39