

### Table of contents

---

<b>European foreword</b> .....	<b>4</b>
<b>Introduction</b> .....	<b>4</b>
<b>1 Scope</b> .....	<b>6</b>
<b>2 Normative references</b> .....	<b>7</b>
<b>3 Terms, definitions and abbreviated terms</b> .....	<b>8</b>
3.1 Terms from other standards.....	8
3.2 Terms specific to the present standard .....	8
3.3 Abbreviated terms.....	10
3.4 Nomenclature .....	10
<b>4 Principles</b> .....	<b>11</b>
4.1 Type of interfaces .....	11
4.2 Interface management process.....	11
4.2.1 General description .....	11
4.2.2 Interface management planning .....	12
4.2.3 Interface identification .....	12
4.2.4 Interface requirements specification .....	13
4.2.5 Interface definition.....	14
4.2.6 Interface approval and control.....	14
4.2.7 Interface verification and validation .....	17
4.3 Interface management life cycle .....	17
4.3.1 Generic interface management life cycle.....	17
4.3.2 Space element – Launch segment interface management life cycle .....	19
4.3.3 Space segment - Ground segment interface management life cycle .....	20
4.3.4 Interface management life cycle involving OTS products .....	21
<b>5 Requirements</b> .....	<b>22</b>
5.1 Interface management planning.....	22
5.2 Interface identification.....	22
5.3 Interface requirements specification .....	23
5.4 Interface definition .....	23

5.5	Interface control and approval .....	25
5.6	Interface verification and validation .....	25
<b>Annex A (normative) Interface Requirements Document (IRD) - DRD .....</b>		<b>26</b>
<b>Annex B (normative) Interface Control Document (ICD) – DRD .....</b>		<b>29</b>
<b>Annex C (normative) Interface Definition Document (IDD) or Single-end Interface Control Document – DRD .....</b>		<b>33</b>
<b>Annex D (informative) Proposed content of an "Interface Identification Document (IID)" .....</b>		<b>36</b>
<b>Annex E (informative) Reference interface data list .....</b>		<b>38</b>
<b>Bibliography.....</b>		<b>53</b>

**Figures**

Figure 4-1	Interface management process – overview of the main process steps .....	12
Figure 4-2:	Interface Change Management Process implementation.....	16
Figure 4-3:	Generic interface management life cycle .....	18
Figure 4-4:	Typical space to launch segment interface life cycle .....	19
Figure 4-5:	Typical space to ground segment interface life cycle .....	20
Figure 4-6:	Typical interface management life cycle involving OTS .....	21
Figure B-1 : Examples of interface data grouping in ICDs .....		32

**Tables**

Table E-1 :	Identified interface natures and corresponding ECSS disciplines .....	39
-------------	---	----