

# **DIN EN 16603-20-21:2020-08 (E)**

**Space engineering - Interface requirements for electrical actuators; English version  
EN 16603-20-21:2020**

---

## **Table of contents**

---

<b>European Foreword.....</b>	<b>4</b>
<b>Introduction.....</b>	<b>5</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 Standard assumptions .....	11
4.2 Verification.....	11
<b>5 Requirements.....</b>	<b>12</b>
5.1 Functional general interface requirements .....	12
5.1.1 General .....	12
5.1.2 Reliability .....	12
5.2 Functional source interface requirements .....	13
5.2.1 General .....	13
5.2.2 Reliability .....	13
5.2.3 Commands .....	14
5.2.4 Telemetry.....	15
5.3 Functional load interface requirements .....	16
5.3.1 General .....	16
5.3.2 Reliability .....	16
5.4 Performance general interface requirements .....	16
5.4.1 General .....	16

5.5	Performance source interface requirements .....	17
5.5.1	General.....	17
5.5.2	Reliability .....	17
5.5.3	Telemetry.....	18
5.5.4	Recurrent products.....	18
5.6	Performance load interface requirements .....	18
5.6.1	General.....	18
5.6.2	Reliability .....	19
5.6.3	Recurrent products.....	19
	<b>Annex A (informative) Requirements mapping.....</b>	<b>20</b>
	<b>Bibliography.....</b>	<b>37</b>

## Tables

Table A-1 : Functional general requirements list.....	21
Table A-2 : Functional source requirements list.....	23
Table A-3 : Functional load requirements list.....	30
Table A-4 : Performance general requirements list.....	31
Table A-5 : Performance source requirements list.....	32
Table A-6 : Performance load requirements list.....	35