

# ISO 26871:2012-12 (E)

## Space systems - Explosive systems and devices

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms, definitions, abbreviated terms and symbols .....</b>	<b>1</b>
<b>3.1</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>3.2</b>	<b>Abbreviated terms .....</b>	<b>5</b>
<b>3.3</b>	<b>Symbols .....</b>	<b>7</b>
<b>4</b>	<b>Requirements .....</b>	<b>7</b>
<b>4.1</b>	<b>General .....</b>	<b>7</b>
<b>4.2</b>	<b>Design .....</b>	<b>9</b>
<b>4.3</b>	<b>Mission .....</b>	<b>13</b>
<b>4.4</b>	<b>Functionality .....</b>	<b>13</b>
<b>4.5</b>	<b>Safety .....</b>	<b>14</b>
<b>4.6</b>	<b>Survival and operational conditions .....</b>	<b>15</b>
<b>4.7</b>	<b>Interface requirements .....</b>	<b>16</b>
<b>4.8</b>	<b>Mechanical, electrical, and thermal requirements .....</b>	<b>17</b>
<b>4.9</b>	<b>Materials .....</b>	<b>22</b>
<b>4.10</b>	<b>Non-explosive components and equipment .....</b>	<b>22</b>
<b>4.11</b>	<b>Explosive components .....</b>	<b>27</b>
<b>4.12</b>	<b>Explosively actuated devices .....</b>	<b>39</b>
<b>4.13</b>	<b>Items external to the flight equipment .....</b>	<b>43</b>
<b>4.14</b>	<b>Verification .....</b>	<b>43</b>
<b>4.15</b>	<b>Transport, facilities, handling and storage .....</b>	<b>48</b>
<b>4.16</b>	<b>In-service .....</b>	<b>49</b>
<b>4.17</b>	<b>Product assurance .....</b>	<b>50</b>
<b>4.18</b>	<b>Deliverables .....</b>	<b>50</b>
	<b>Annex A (normative) Loads and factors of safety relationship .....</b>	<b>53</b>
	<b>Annex B (normative) Factors of safety .....</b>	<b>54</b>
	<b>Annex C (informative) Explosive component colour code .....</b>	<b>56</b>
	<b>Annex D (informative) Component qualification test levels .....</b>	<b>57</b>
	<b>Annex E (informative) Product user manual (PUM/UM) -- DRD .....</b>	<b>59</b>
	<b>Bibliography .....</b>	<b>66</b>