

# ISO 17635:2016-12 (E)

## Non-destructive testing of welds - General rules for metallic materials

---

<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 and definitions .....</b>	<b>2</b>
<b>4</b>	<b>Abbreviated terms .....</b>	<b>3</b>
<b>5</b>	<b>Limitations .....</b>	<b>3</b>
<b>5.1</b>	<b>Stage of manufacture .....</b>	<b>3</b>
<b>5.2</b>	<b>Extent of testing .....</b>	<b>3</b>
<b>5.3</b>	<b>Materials .....</b>	<b>3</b>
<b>6</b>	<b>Personnel qualification .....</b>	<b>4</b>
<b>7</b>	<b>Testing organization .....</b>	<b>4</b>
<b>8</b>	<b>Documentation .....</b>	<b>4</b>
<b>8.1</b>	<b>Documentation prior to testing .....</b>	<b>4</b>
<b>8.1.1</b>	<b>Written procedures .....</b>	<b>4</b>
<b>8.1.2</b>	<b>Testing plan .....</b>	<b>4</b>
<b>8.2</b>	<b>Documentation after testing .....</b>	<b>4</b>
<b>8.2.1</b>	<b>Records of individual testing .....</b>	<b>4</b>
<b>8.2.2</b>	<b>Final report .....</b>	<b>4</b>
<b>9</b>	<b>Selection of testing method .....</b>	<b>5</b>
<b>9.1</b>	<b>General .....</b>	<b>5</b>
<b>9.2</b>	<b>Butt- and T-joints with full penetration .....</b>	<b>5</b>
<b>9.3</b>	<b>Butt- and T-joints without full penetration and fillet welds .....</b>	<b>6</b>
<b>10</b>	<b>Performance of testing .....</b>	<b>6</b>
<b>10.1</b>	<b>Determination of standard to be applied .....</b>	<b>6</b>
<b>10.2</b>	<b>Conditions for testing .....</b>	<b>6</b>
<b>10.3</b>	<b>Time of testing .....</b>	<b>7</b>
<b>10.4</b>	<b>Non-acceptable indications .....</b>	<b>7</b>
<b>Annex A (normative) Rules and standards to be applied .....</b>		<b>8</b>
<b>Annex B (informative) Graphs of standard context .....</b>		<b>11</b>
<b>Bibliography .....</b>		<b>13</b>