

# ISO 14554-1:2013-12 (E)

## Quality requirements for welding - Resistance welding of metallic materials - Part 1: Comprehensive quality requirements

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	2
4	Contract and design review .....	2
4.1	General .....	2
4.2	Application -- Contract review .....	2
4.3	Application -- Design review .....	3
5	Sub-contracting .....	3
6	Welding personnel .....	3
6.1	General .....	3
6.2	Operators .....	3
6.3	Resistance weld setter .....	3
6.4	Welding coordinator .....	4
7	Inspection, testing, and examination personnel .....	4
8	Equipment .....	4
8.1	Production and testing facilities .....	4
8.2	Description of facilities .....	4
8.3	Approval of facilities .....	5
8.4	Installation of new or refurbished equipment .....	5
8.5	Maintenance .....	5
9	Welding activities .....	5
9.1	Production planning .....	5
9.2	Welding procedure specification .....	6
9.3	Welding procedure approval .....	6
9.4	Work instructions .....	6
9.5	Documentation .....	6
10	Welding electrodes and auxiliaries .....	6
10.1	General .....	6
10.2	Batch testing .....	6
10.3	Welding electrodes .....	6
10.4	Marking of the welding electrodes .....	6
11	Storage of parent metal .....	7
12	Heat treatment .....	7
13	Weld-related inspection and testing .....	7
13.1	General .....	7
13.2	Inspection and testing before welding .....	7
13.3	Inspection and testing during production .....	7

<b>13.4</b>	<b>Inspection and testing after welding .....</b>	<b>8</b>
<b>13.5</b>	<b>Inspection and test status .....</b>	<b>8</b>
<b>14</b>	<b>Non-conformance and corrective action .....</b>	<b>8</b>
<b>15</b>	<b>Calibration .....</b>	<b>8</b>
<b>16</b>	<b>Identificationandtraceability .....</b>	<b>8</b>
<b>17</b>	<b>Quality records .....</b>	<b>9</b>
<b>Annex A (informative)</b>	<b>Summary comparison of welding quality requirements in this part of</b>	
	<b>Bibliography .....</b>	<b>11</b>