

# DIN EN ISO 14554-1:2014-05 (E)

## Quality requirements for welding - Resistance welding of metallic materials - Part 1: Comprehensive quality requirements (ISO 14554-1:2013)

---

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

<b>13.4</b>	<b>Inspection and testing after welding</b> .....	<b>11</b>
<b>13.5</b>	<b>Inspection and test status</b> .....	<b>11</b>
<b>14</b>	<b>Non-conformance and corrective action</b> .....	<b>11</b>
<b>15</b>	<b>Calibration</b> .....	<b>11</b>
<b>16</b>	<b>Identificationandtraceability</b> .....	<b>11</b>
<b>17</b>	<b>Quality records</b> .....	<b>12</b>
<b>Annex A (informative)</b>	<b>Summary comparison of welding quality requirements in this part of ISO 14554 and ISO 14554-2</b> .....	<b>13</b>