

A-Z collection of the exchange of experience between the recognised bodies according to DIN 2303

The exchange of experience between the recognised bodies according to DIN 2303 (ERFA DIN 2303) is the senior body which is responsible for special arrangements and interpretations in connection with DIN 2303. As the civilian lead agency, GSI mbH, NL SLV Berlin-Brandenburg bears the responsibility for the execution of ERFA DIN 2303.

The directors of the "recognised bodies" are obliged to take part in ERFA DIN 2303. On the list of the approved "recognised bodies", these persons are highlighted in boldface type.

The stipulations in the A-Z collection are binding on the nominated persons; they must take account of these stipulations during plant audits.

All recognised bodies have the possibility of submitting more extensive special arrangements and interpretations to ERFA DIN 2303; after discussion and approval in ERFA DIN 2303, these are included in the A-Z collection.

Any detailed questions which cannot even be clarified with the relevant quality testing agencies of the Federal Armed Forces must be clarified in ERFA DIN 2303 and, if necessary, are also included in the A-Z collection.

Cons. no.	Subject
1	<p><u>Recognition according to Appendix A</u> The recognition of an existing manufacturer qualification according to Appendix A, Section A 1.1 of DIN 2303 is permissible for components in Manufacturer Qualification Class Q1 as well as for Component Classes BK2, BK3 and BK4.</p> <p><u>Conditions:</u></p> <ol style="list-style-type: none"> 1. The plant produces the request to the subcontractor to obtain recognition of the valid civilian certificate. 2. Presentation of the corresponding valid civilian certificate including the report on the plant audit. 3. Listing of the required welding processes, semi-finished product types, materials, weld types, material thicknesses and welding positions. 4. The auditor must also be a "nominated person" for DIN 2303.
2	<p><u>Recognition of welding procedure specifications</u> DIN 2303 makes reference to DIN EN ISO 15607. According to this, all possibilities for recognising welding procedure specifications are permissible. Procedure qualification tests / pre-production work specimens are required:</p> <ul style="list-style-type: none"> • For materials which must be assigned to Class Q2 (if necessary, pay attention to BV 1050); • For automated welding processes, irrespective of the materials. <p>More extensive requirements apply to Classes Q3 and Q4.</p>
4	<p><u>Authorisation to accept qualification tests</u> As a supplement to DIN 2303, Para. 5.1.2, coordinators with the minimum qualification WS, EWS or IWS may also, internally in the plant, accept:</p> <ul style="list-style-type: none"> ▪ Welder qualification tests according to DIN EN 287-1 or DIN EN 9606-1 to -5. ▪ Brazer qualification tests according to DIN EN ISO 13585. ▪ Qualification tests for operators according to DIN EN ISO 14732. • Qualification tests for thermal sprayers and operators according to DIN EN ISO 14918. <p><u>Conditions:</u></p> <ol style="list-style-type: none"> 1. These coordinators must have proven the required specialist knowledge during the plant audit. 2. On the certificate, they must be indicated as the coordinator or as the representative. 3. The authorisation to accept qualification tests must be expressly noted on the rear side of the certificate according to DIN 2303.
5	<p><u>English-language version</u> In addition, certificates about the manufacturer qualification according to DIN 2303 may also be issued in the English language.</p>
6	<p><u>Scope of validity of welder qualification tests</u> Qualification tests for butt welds do not include qualification tests for fillet welds. If fillet welds are executed, it is necessary to prove corresponding fillet weld qualification tests.</p>

7	<p><u>Grace period</u> A period of max. three months applies to the exceeding of the point in time of the validity of a certificate according to DIN 2303. <u>Condition:</u> The application for extension must have been made in good time before the expiry of the duration of validity.</p>
8	<p><u>Manufacturer Qualification Class Q1</u> Materials in Groups 1.1, 1.2, 1.4, 8.1, 21 and 22 according to CEN ISO/TR 15608 are assigned to Class Q1. All other material groups belong to Class Q2. This does not affect the materials in Classes Q3 and Q4.</p>
12	<p><u>Approved welding consumables</u></p> <ul style="list-style-type: none"> • The Research Institute for Materials, Fuels and Lubricants (WIWeB) makes available a list of approved welding consumables (only for absolutely special materials). • All other welding consumables must basically be standardised, supplied with certificates according to DIN EN 10204 and, if at all possible, supplied with CE marks with declarations of conformity from accredited testing agencies and proof of the testing of the welded joint (e.g. approval certificate / data sheet / procedure qualification test).
13	<p><u>Consent to inclusion in the Internet directory</u> On the cover page of the application, the plant confirms its consent to inclusion in a directory. In so far as it does not want to do this, it must be expressly indicated on the cover page.</p>
15	<p><u>Scope of validity of DIN EN ISO 15610</u> The area of application of DIN EN ISO 15610 for the recognition of welding procedure specifications is extended by Material Groups 1.2 - 22.3 - 22.4; this does not affect the requirements according to BV 1050.</p>
16	<p><u>Area of application of DIN 2303</u> Paragraph 1 - Area of application is supplemented as follows: "Hoisting devices, fabrication equipment, in-plant transport equipment and similar operating equipment for fabrication/assembly, dismantling/maintenance and repair are only included in the scope of validity of this standard if this is demanded in contractual law."</p>
17	<p><u>Military products</u> Paragraph 3.1 - Military products is supplemented as follows: "Military products as well as their subassemblies and components in the terms of this standard are only those which are in the base plant and in use."</p>
18	<p><u>Extensions of welder qualification tests according to DIN EN ISO 9606-1</u> An extension of the qualification according to Procedure 9.3 c is not permissible.</p>

19	<p><u>Amendment to 5.2.1:</u> Operators of automatic thermal spraying installations need certificates according to DIN EN ISO 14918.</p>
20	<p><u>Demand for Class Q2:</u> If the customer demands a Q2 certificate irrespective of the material, the following is applicable:</p> <ul style="list-style-type: none"> ▪ The certificate is issued for Class Q1. ▪ In the text section, Class Q2 is specified as a supplement. ▪ The following must be noted on the rear side of the certificate: <i>"In an extended specialist discussion, it was proven that the prerequisites for the processing of materials in Class Q2 are satisfied."</i>
21	<p><u>Calibration:</u> From partially mechanised welding processes (materials in Group Q2), special reference is made to DIN EN ISO 17662.</p>
22	<p><u>Base materials:</u> Materials in Class Q2 must be proven, at least, with 3.1 certificates according to DIN EN 10204 unless anything else is demanded in supplementary specific requirements. Materials in Class Q1 must be proven, at least, with 2.2 certificates according to DIN EN 10204.</p>
23	<p><u>Normative references:</u> Para. 2 in DIN 2303 is adjusted:</p> <ul style="list-style-type: none"> - DIN ISO 24394 for DIN 29591 - DIN ISO 16338 for DIN 29878 - DIN 65118 for DIN 65118-1 and -2 - DIN ISO 11745 for DIN 65228 - DIN EN ISO 9606-1 for DIN EN 287-1 - DIN EN ISO 9712 for DIN EN 473 - DIN EN ISO 14732 for DIN EN 1418 - DIN EN ISO 13585 for DIN EN 13133 - DVS 2715 for DVS 2715-1 - DVS 2721 for DVS 2715-2
29	<p><u>Recognition of welding procedure specifications</u> DIN 2303 makes reference to DIN EN ISO 15607. According to this, all possibilities for recognising welding procedure specifications are permissible. Procedure qualification tests according to DIN EN ISO 15614-1:2017 (stipulations according to Level 2 must be fulfilled) / pre-production work specimens according to DIN EN ISO 15613 are required:</p> <ul style="list-style-type: none"> • For materials which must be assigned to Class Q2 (if necessary, pay attention to BV 1050); • For automated welding processes, irrespective of the materials. <p>More extensive requirements apply to Classes Q3 and Q4.</p>

31	<p><u>Second fabrication facility</u></p> <p>In exceptional cases, the "nominated person" makes the decisions about the inclusion of a second fabrication facility in the certificate according to DIN 2303.</p> <p><u>Conditions:</u></p> <ul style="list-style-type: none">• The second fabrication facility was taken into account within the framework of the plant audit.• The audit report must clearly reflect the audited scope.• The nominated coordinator is responsible for proper execution and provision of proof.
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