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Welding for aerospace applications — Qualification test for welders and welding operators — Fusion welding of metallic components

Soudage pour applications aérospatiales — Épreuve de qualification pour soudeurs et opérateurs — Soudage par fusion des composants métalliques



ISO 24394:2018(E)



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Foreword

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This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 14, *Welding and brazing in aerospace*.

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This second edition cancels and replaces the first edition (ISO 24394:2008). It also incorporates the Amendment ISO 24394:2008/Amd 1:2012. The main changes compared to the previous edition are:

- the terms welding equipment operator and automatic welding have been introduced as 3.4 and 3.12;
- old subclause 4.1.3 has been moved to 4.1;
- requirements in 4.4 have been refined;
- Tables 1 to 4 have been created to present the ranges of qualification for welding positions for every test piece;
- in 4.5, material group F has been introduced;
- the header of 4.6 has been changed and new subclause 4.6.3 has been created;
- in 4.6.1 and 4.6.2, the qualification of thickness ranges has been clarified;
- requirements in <u>5.1</u> have been changed;
- a bullet list has been added to 6.1.1;
- in 6.2, a new requirement has been introduced that the theory test shall be documented;
- references to EN 462 series for radiographic images have been deleted;

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- Clause 9 has been reworded to clearly state that only the features created by welding shall be assessed for TP6;
- Clause 10 has been changed so that if a welder/welding operator needs vision correction, it shall be noted on the test certificate;
- in Tables A.1 to A.4, new material group F has been included;
- the document has been editorially revised.