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STANDARD

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**WELDING - WORKING POSITIONS -
COMPARISON OF CURRENT
INTERNATIONAL, EUROPEAN AND US
DESIGNATIONS**

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TECHNICAL REPORT
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English version

**Welding - Working positions - Comparison of current
international, European and US designations**

Soudage - Positions de travail - Comparaison des
désignations courantes internationales, européennes et US

Schweißen - Arbeitspositionen - Vergleich zwischen
üblichen internationalen, europäischen und US-
Benennungen

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Foreword

This document (CEN/TR 14633:2003) has been prepared by Technical Committee CEN /TC 121, "Welding", the secretariat of which is held by DS.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this CEN Technical Report: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

CEN/TR 14633:2003 (E)**1 Scope**

This Technical Report provides a comparison between the common working and welding positions shown in EN ISO 6947 and the joint orientations shown in ANSI/AWS A3.0, and ASME Boiler and pressure vessel code Section IX.

2 Normative references

This Technical Report incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this Technical Report only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN ISO 6947, *Welds - Working positions - Definitions of angles of slope and rotation (ISO 6947:1993)*

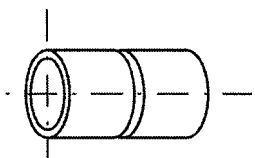
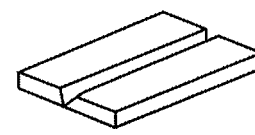
ANSI/AWS A3.0, *Standard welding terms and definitions.*

ASME Boiler and Pressure Vessel Code, Section IX, *Qualification standard for welding and brazing procedures, welders, brazers, and welding and brazing operators.*

3 Comparison of current international, European and US American designations for working and welding positions

A comparison of current international, European and US American designations for working and welding positions is given in Table 1.

Table 1 — Comparison of current international, European and US American designations for working and welding positions

Illustration	Welding position according to ANSI/AWS ASME IX	Working position according to EN ISO 6947
 flat position (pipe rotating)  flat position	1G	PA

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