



BSI Standards Publication

**Plastics welding supervisor  
— Task, responsibilities,  
knowledge, skills and  
competence**

**National foreword**

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TECHNICAL REPORT

**CEN/TR 16862**

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English Version

## Plastics welding supervisor - Task, responsibilities, knowledge, skills and competence

Superviseur en soudage de matières plastiques - Missions, responsabilités, connaissances, qualifications et compétences

Kunststoffsweißaufsicht - Aufgaben, Verantwortungen, Wissen, Fähigkeiten und Kompetenz

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## European foreword

This document (CEN/TR 16862:2015) has been prepared by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by NBN.

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## Introduction

Welding is a special process that requires the coordination of activities related to quality, including construction, testing and maintenance in order to ensure confidence in the reliability of welded structures and their behaviour in service. This Technical Report defines the tasks and responsibilities, knowledge, skills, and competence necessary to carry out the role of "plastic welding supervisor".

The use of this Technical Report helps an organization to provide evidence of sound management and may, therefore, represent a technical credential for the achievement of the welded product's performance requirements.

## 1 Scope

This Technical Report identifies the quality related responsibilities and tasks included in the supervision of activities related to the welding of products and semi-finished products made of thermoplastic materials and provides guidelines to ensure the quality of the supervision.

The fundamental aspects of this Technical Report are the following:

- definition of tasks and responsibilities;
- definition of the required knowledge, skills and competence.

The plastic welding supervisor (PWS) should be employed by the organization involved in the welding activities. This Technical Report applies to all thermoplastic welding processes.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN ISO 9000, *Quality management systems — Fundamentals and vocabulary (ISO 9000)*

EN ISO/IEC 17000, *Conformity assessment — Vocabulary and general principles (ISO/IEC 17000)*

ISO 3834-1, *Quality requirements for fusion welding of metallic materials — Part 1: Criteria for the selection of the appropriate level of quality requirements*

## 3 Terms and definitions

For the purpose of this document, the terms and definitions given in EN ISO 9000, ISO 3834-1 and ISO/IEC 17000 and the following apply.

### 3.1

#### **competence**

demonstrated ability to apply knowledge, skills and personal, social and/or methodological abilities, in work or study situations and in professional and personal development

Note 1 to entry: In the context of the European Qualifications Framework, competence is described in terms of responsibility and autonomy.

### 3.2

#### **conformity**

fulfilment of a requirement

### 3.3

#### **construction**

product, structure or any other object welded

### 3.4

#### **construction plan**

document for a specific project, product, process or contract, which specifies the procedures and associated resources that must be used, by whom and when

### 3.5

#### **contract**

binding agreement