

Irish Standard Recommendation S.R. CEN/TR 17524:2020

Fire safety engineering in Europe - Review of national requirements and application

© CEN 2020 No copying without NSAI permission except as permitted by copyright law.

S.R. CEN/TR 17524:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R.~xxx: Standard~Recommendation-recommendation~based~on~the~consensus~of~an~expert~panel~and~subject~to~public~consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

Published:

CEN/TR 17524:2020

2020-08-19

This document was published under the authority of the NSAI

ICS number:

and comes into effect on:

13.220.01

2020-09-07

NOTE: If blank see CEN/CENELEC cover page

Sales:

NSAI T +353 1 807 3800

 1 Swift Square,
 F +353 1 807 3838
 T +353 1 857 6730

 Northwood, Santry
 E standards@nsai.ie
 F +353 1 857 6729

 Dublin 9
 W NSAI.ie
 W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

National Foreword

S.R. CEN/TR 17524:2020 is the adopted Irish version of the European Document CEN/TR 17524:2020, Fire safety engineering in Europe - Review of national requirements and application

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

For relationships with other publications refer to the NSAI web store.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This is a free page sample. Access the full version online.

This page is intentionally left blank

TECHNICAL REPORT

CEN/TR 17524

RAPPORT TECHNIQUE

TECHNISCHER BERICHT

August 2020

ICS 13.220.01

English Version

Fire safety engineering in Europe - Review of national requirements and application

L'Ingénierie de sécurité incendie en Europe - Revue des exigences nationales et application Brandschutzingenieurwesen in Europa - Übersicht der nationalen Anforderungen und Anwendung

This Technical Report was approved by CEN on 10 August 2020. It has been drawn up by the Technical Committee CEN/TC 127.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

CEN/TR 17524:2020 (E)

Con	tents	Page
_	oean foreword	
Intro	ductionduction	4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	The Benefeu programme	5
4.1	Organization and tasks	5
4.2	Task A - Current regulations in member states	
4.3	Task B - State-of-the-art FSE	
4.4	Task C - Initiatives and cost-benefit analysis	
5	Additional programme	9
6	Updated survey of EU member states in 2001	
6.1	Survey conditions	
6.2	Fire regulations	
6.3	Enforcement of the fire regulations	
6.4	Societal goals and functional requirements	
6.5 6.6	Technical details in the regulationAlternative approval system or derogation	
6.7	Change of regulation	
6.8	Cost/benefit analyses	
6.9	Non-regulatory obligation	
6.10	Fire safety engineering	
6.11	Education and training	
6.12	Conclusions for 2001-MS	30
7	Enlarged survey of EU members states in 2016	
7.1	Survey conditions	
7.2	Enforcement of the fire regulations	
7.3	Goals for society and functional requirements	
7.4	Technical details in the regulation	
7.5 7.6	Alternative approval system or derogationChange of regulation	
7.0 7.7	Costs/benefit analysis	
7.7 7.8	Non-regulatory obligations	
7.9	Fire safety engineering	
7.10	Education and training	
7.11	Conclusions for the 2016-MS	
8	State of the art of FSE	50
8.1	Current state of the art	
8.2	Need of research and development	
8.3	Justification of product performance in Fire Safety Engineering	
8.4	Conclusion from task B of Benefeu	
9	Conclusions	
Biblic	ography	67

CEN/TR 17524:2020 (E)

European foreword

This document (CEN/TR 17524:2020) has been prepared by Technical Committee CEN/TC 127 "Fire safety in buildings", the secretariat of which is held by BSI.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

CEN/TR 17524:2020 (E)

Introduction

On 1 May 2001, the Benefeu project started with a consortium managed by Warrington Fire Research (UK) composed of CTICM (activity transferred to Efectis France), DIFT, IST, RUG and TNO (activity transferred to Efectis Nederland).

The programme was financed by the European Commission (EC contract EDT/01/503480).

With a duration of one year, the programme aimed to identify the potential benefit of Fire Safety Engineering in the European Union.

The CEN TC127 WG8 dedicated to Fire Safety Engineering identified a need of updating the work performed within the BENEFU programme as a benefit for European standardization work and European member states.

1 Scope

This document gives an overview of the evolution of regulations and application of Fire Safety Engineering (FSE) in Europe. Based on work performed in 2001-2002, a full update of information has been done. A global survey based on questionnaires defined in 2001, the evolution and possible perspectives of the FSE practices within two perimeters are presented:

- The first perimeter is the same perimeter analysed in 2001 corresponding to the European Union defined in 2001 extended to European countries with European Union agreement (Switzerland, Norwegian and Iceland).
- The second perimeter is the European Union perimeter of 2016 extended to European countries with European Union agreement (Switzerland, Norwegian and Iceland).

Conclusions and initiatives of the 2001 proposals were analysed 15 years after, with and without the extension of European Union. New initiatives have since been proposed.

In addition, the state-of-the-art of Fire Safety Engineering is updated.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, no terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at https://www.iso.org/obp

4 The Benefeu programme

4.1 Organization and tasks

On 1 May 2001, the Benefeu project started with a consortium managed by Warrington Fire Research (UK) composed of CTICM (activity transferred to Efectis France), DIFT, IST, RUG and TNO (activity transferred to Efectis Nederland).

The programme was financed by the European Commission (EC contract EDT/01/503480).

With a duration of one year, the programme aimed to identify the potential benefit of Fire Safety Engineering in the European Union.

To satisfy this aim, this programme was organized in three key tasks:

- Task A Current regulations in member states;
- Task B State of the art in FSE;
- Task C Possible initiatives and cost benefit analysis.

The final report [1] dated 19 July 2002 was presented to the European Commission.



This is a free preview	 Purchase the entire 	e publication at the link below:
------------------------	-----------------------------------------	----------------------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation