

BS ISO 26367-1:2011



BSI Standards Publication

Guidelines for assessing the adverse environmental impact of fire effluents

Part 1: General

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National foreword

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A list of organizations represented on this committee can be obtained on request to its secretary.

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Guidelines for assessing the adverse environmental impact of fire effluents —

Part 1: General

*Lignes directrices pour déterminer l'impact environnemental des
effluents du feu —*

Partie 1: Généralités



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 26367-1 was prepared by Technical Committee ISO/TC 92, *Fire safety*, Subcommittee SC 3, *Fire threat to people and environment*.

ISO 26367 consists of the following parts, under the general title *Guidelines for assessing the adverse environmental impact of fire effluents*:

— *Part 1: General*

Components from fires in the built environment, open storage and transport is to form the subject of a future Part 2.

Introduction

In view of the fact that relevant quantitative data on environmentally hazardous components of fire effluents cannot routinely be obtained from accidental fires, appropriate data may also have to be obtained from real scale fire tests and simulations involving physical fire models.

General awareness of the fact that large fires present dramatic and persistent adverse effects on the environment has been accentuated by a number of high-impact incidents over the past half-century. Annex A contains a list of major fire incidents in recent years.

The serious consequences of such events have confirmed that the environmental impact of fires is a pressing international issue that urgently needs to be dealt with globally and systematically. This part of ISO 26367 provides a framework for a common treatment of the environmental impact of fires in answer to this pressing need.

It is principally intended for use by the following parties:

- fire-fighters and investigators;
- building owners and managers;
- storage facility operators;
- materials and product manufacturers;
- insurance providers;
- environmental regulatory authorities;
- civil defence organizations;
- public health authorities.

Guidelines for assessing the adverse environmental impact of fire effluents —

Part 1: General

1 Scope

This part of ISO 26367 gives guidelines whose primary focus is the assessment of the adverse environmental impact of fire effluents, including those from fires occurring in commercial and domestic premises, unenclosed commercial sites, industrial and agricultural sites, as well as those involving road, rail and maritime transport systems. Its scope does not extend to direct acute toxicity issues, which are covered by other existing International Standards.

It is intended to serve as a tool for the development of standard protocols for

- a) the assessment of local and remote adverse environmental impacts of fires, and the definition of appropriate preventive measures,
- b) post-fire analyses to identify the nature and extent of the adverse environmental impacts of fires, and
- c) the collection of relevant data for use in environmental fire hazard assessments.

This part of ISO 26367 is intended as an umbrella document to set the scene concerning *what* should be considered when determining the environmental impact of fires. It is not a comprehensive catalogue of methods and models defining *how* to determine the environmental impact of fires, intended to be addressed by other parts of ISO 26367.

2 Normative references

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

ISO 13943, *Fire safety — Vocabulary*