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## Criteria for assessment of new extinguishants for inclusion in the ISO 14520 series

*Critères pour l'évaluation de nouveaux agents extincteurs destinés à  
être inclus dans la série ISO 14520*



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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 21, *Equipment for fire protection and fire fighting*, Subcommittee SC 8, *Gaseous media and firefighting systems using gas*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

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## Introduction

This document includes technical information related to the design and use of total flooding fire extinguishing systems using liquefied or non-liquefied gaseous fire extinguishing agents. Suggested minimum extinguishant information includes:

- identification;
- specifications;
- physical properties;
- minimum extinguishing concentrations and minimum design concentrations;
- use parameters;
- toxicity;
- environmental properties;
- system design.

At the election of the extinguishant manufacturer, required information may be supplemented with additional information that could prove useful in matters related to the manufacturer, storage, use, and handling of extinguishant containers.