INTERNATIONAL STANDARD

**ISO 7240-13**

Second edition
2020-09

# Fire detection and alarm systems —

## Part 13: Compatibility assessment of system components

*Systèmes de détection et d'alarme d'incendie —*

*Partie 13: Estimation de la compatibilité des composants d'un système*



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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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# Foreword

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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).

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This document was prepared by Technical Committee ISO/TC 21, *Equipment for fire protection and fire fighting*, Subcommittee SC 3, *Fire detection and alarm systems*.

This second edition cancels and replaces the first edition (ISO 7240-13:2005), which has been technically revised.



The main changes compared to the previous edition are as follows:

— This edition takes into account new techniques in communication and the availability of new technologies and concepts.

— This edition is applicable to electrical wires, optical fibre or radio frequency connections. The previous edition was only applicable to electrical wires.

— Clarification introduced that it is possible to use this document to establish compatibility with fire protection equipment such as sprinkler flow switches and electrically activated sprinkler heads.

— Levels (field, control and management) and a network transmission path for the basis of system configuration introduced.

— References to EN standards have been replaced with the appropriate IEC standard references.

— Introduction of Annex A, Example of levels used in FDAS.

— Introduction of Annex B, Classification of functions of the FDAS.

— Introduction of Annex C, Example methodology for theoretical analysis.

— Introduction of Annex D, Software design documentation.

— Introduction of Annex E, Flowchart for assessment of compatibility/connectability.

— Introduction of Annex F, previously Annex A, upgraded to the latest fire detection and alarm system functions diagram from ISO 7240-1.

 

A list of all parts in the ISO 7240 series can be found on the ISO website.

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.