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Part 1: General requirements**

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Partie 1 : Exigences générales**

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IEC 82474-1 has been prepared by IEC technical committee 111, Environmental standardization for electrical and electronic products and systems, and Subcommittee 1: Environmental management systems, of ISO Technical Committee 207: Environmental management. It is an International Standard.

This first edition leverages previous work done in IEC 62474 (Material declaration for products of and for the electrotechnical industry), extending the application of the material declaration standard across all products of any industry sector that falls under the ISO and IEC scopes.

This edition includes the following technical changes with respect to IEC 62474:2018 (edition 2):

- a) Definitions were sharpened to fulfil needs from sectors other than electrical and electronic products and systems and new terms have been added that support new topics introduced such as webservice methods, material efficiency and circularity, and new reference list types.

- b) A new subclause (4.6) covering process chemical declaration was included. This subclause covers requirements related to the information required about process chemical substances, the applicable processes where they are used, and the respective product life cycle phase(s).
- c) A new clause (8) covering web services on material declaration was included. This clause covers requirements related to topics such as machine-machine communication, authentication service, and data representation.
- d) Requirements and guidance for the development of reference lists such as query list (QL), and application/exemption lists (AL/EL) were included.

This document has been given the status of a horizontal document in accordance with ISO/IEC Directives, Part 1.

The text of this International Standard is based on the following documents:

| Draft | Report on voting |
|--------------|------------------|
| 111/778/FDIS | 111/807/RVD |

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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IEC 82474-1:2025

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