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**Steel and steel products — Inspection
documents**

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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.

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.

International Standard ISO 10474 was prepared by Technical Committee ISO/TC 17, *Steel*, Sub-Committee SC 20, *General technical delivery conditions, sampling and mechanical testing methods*, in collaboration with ECISS/TC9, the corresponding Technical Committee of the European Committee for Iron and Steel Standardization.

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Steel and steel products — Inspection documents

Section 1: General

1.1 Scope

This International Standard defines the different types of inspection documents supplied to the purchaser, in accordance with the requirements of the order, for the delivery of iron and steel products.

However, if agreed in the order, it may also apply to other products.

This International Standard is to be used in conjunction with other International Standards which specify the general technical delivery conditions:

- for steel and steel products, see ISO 404;
- for steel castings, see ISO 4990.

1.2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 404:1992, *Steel and steel products — General technical delivery requirements*.

ISO 4990:1986, *Steel castings — General technical delivery requirements*.

1.3 Definitions

For the purposes of this International Standard, the following definitions apply.

1.3.1 non-specific inspection and testing: Inspection and testing carried out by the manufacturer in accordance with his own procedures, to assess whether products made by the same manufacturing process meet the requirements of the order. The products inspected and tested may not necessarily be the products actually supplied.

[ISO 404:1992, 3.4]

1.3.2 specific inspection and testing: Inspection and testing carried out, before delivery, according to the technical requirements of the order, on the products to be supplied or on test units of which the product supplied is part, in order to verify whether these products comply with the requirements of the order.

[ISO 404:1992, 3.5]

NOTE 1 Current discussions indicate that the term "inspection and testing" will be replaced by "inspection".

Section 2: Documents drawn up from inspection and tests carried out by personnel authorized by the manufacturer and who may be involved in the manufacturing department

2.1 Certificate of compliance with the order "2.1"

A document in which the manufacturer certifies that the products supplied comply with the requirements of the order, without mention of any test results.

The certificate of compliance with the order "2.1" is a document drawn up on the basis of non-specific inspection and testing.

2.2 Test report "2.2"

A document in which the manufacturer certifies that the products supplied comply with the requirements of the order, and in which he supplies test results based on non-specific inspection and testing.

2.3 Specific test report "2.3"

A document in which the manufacturer certifies that the products supplied comply with the specifications of the order, and in which he supplies test results based on specific inspection and testing.

The specific test report "2.3" is only used by a manufacturer who does not have an authorized quality control department which is independent of the manufacturing departments.

If the manufacturer uses an authorized quality control department which is independent of the manufacturing department, he shall supply a 3.1.B certificate (see 3.1) instead of a 2.3 certificate.

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Section 3: Documents drawn up from inspection and tests carried out or supervised by authorized personnel independent of the manufacturing department, and based on specific testing

3.1 Inspection certificate

A document issued on the basis of inspection and tests carried out in accordance with the technical specifications of the order or of official regulations and the corresponding technical rules. The tests shall be carried out on the products supplied or those in the inspection unit of which the consignment constitutes a part.

The inspection unit is set by the product standard, the official regulations and corresponding technical rules or by the order.

There are three different types as follows.

- Inspection certificate "3.1.A" is issued and validated by an inspector designated in the official regulations, in accordance with these and the corresponding technical rules.

- Inspection certificate "3.1.B" is issued by the department independent of the manufacturing department and is validated by an authorized representative of the staff independent of the manufacturing department.

- Inspection certificate "3.1.C" is issued and validated by an authorized representative of the purchaser, in accordance with the specifications of the order.

3.2 Inspection report

Where the inspection certificate is validated, following a special agreement, both by the manufacturer's authorized representative and the purchaser's authorized representative, it is known as inspection report "3.2".

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Section 4: Inspection documents to be supplied by a processor or an intermediary

When a product is supplied by a processor or an intermediary, they shall submit to the purchaser, without any modifications, the manufacturer's documentation as described in this International Standard. This documentation shall include suitable means of identification of the product, in order to ensure the traceability between the product and the documentation (see ISO 404:1992, clause 12).

If the processor or intermediary has changed the state or dimensions of the product in any way, he shall supply an additional document of compliance for these new conditions. This shall also apply to all special requirements not included in the manufacturer's documentation.

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Section 5: Validation of inspection documents

The inspection documents shall be signed or marked in an appropriate way by the person(s) responsible for the validation of documents.

However, if the certificates are prepared by a suitable data-processing system, the signature may be replaced by an indication of the name and position of the person responsible for validating the document.

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Section 6: Summary of documents

A summary of documents covered by this International Standard is given in table 1.

Table 1 — Summary of inspection documents

Standard designation (subclause number)	Document	Type of control	Contents of document	Delivery conditions	Document signed by
2.1	Certificate of compliance with the order	Non-specific	Without mention of test results	In accordance with the requirements of the order, and if required, also in accordance with official regulations and the corresponding technical rules	The manufacturer
2.2	Test report		With mention of test results based on non-specific inspection and testing		
2.3	Specific test report	Specific	With mention of test results based on specific inspection and testing	In accordance with official regulations and the corresponding technical rules	The inspector designated in the official regulations
3.1.A	Inspection certificate 3.1.A				
3.1.B	Inspection certificate 3.1.B			In accordance with the specifications of the order, and if required, also in accordance with official regulations and the corresponding technical rules	The manufacturer's authorized representative independent of the manufacturing department
3.1.C	Inspection certificate 3.1.C			The purchaser's authorized representative	
3.2	Inspection report 3.2			In accordance with the specifications of the order	The manufacturer's authorized representative independent of the manufacturing department, and the purchaser's authorized representative

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