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**Timber — Round and sawn timber —  
Vocabulary**

**Bois — Bois ronds et bois sciés —  
Vocabulaire**

**Лесоматериалы — Круглые и  
пиленые лесоматериалы — словарь**



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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 24294 was prepared by Technical Committee ISO/TC 218, *Timber*.

This edition cancels and replaces ISO 4473:1988, ISO 4474:1989, ISO 4476:1983 and ISO 8966:1987.

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## Introduction

Wood is a naturally occurring resource and is the only major construction material that is renewable. Because it is renewable, the use of wood and the many different timber products made from wood, contributes to overall sustainable development. Wood is used in the manufacture of various timber products and many of these timber products are intended specifically for use both as structural and non-structural elements in the construction of timber-framed or platform-frame buildings.

NOTE 1 In North America, timber-framed buildings in which timber is the main structural material are commonly referred to as post and beam construction, while other timber-framed buildings constructed of wood that rely wholly or mainly on load-bearing walls that have studs supported by the floor(s) are typically referred to as wood frame construction or platform frame construction.

Similar to most other building materials, wood has unique properties. In wood, these various properties are affected by species, natural growth characteristics and moisture content and with its unique cell structure; wood has different strength properties in different grain directions.

There is a need to be able to conceptualize and communicate on the physical and mechanical characteristics of the many different hardwood and softwood round, sawn and processed timbers in a manner that is consistent and recognized globally.

This International Standard has been prepared by the various groups involved in the timber industry, such as manufacturers, builders, wholesalers and importers, as well as research organizations, academia, national regulatory bodies, standards developers and professional design organizations.

Understanding the nature of the various physical characteristics and features of round and sawn timber will enable effective communication related to sawn and processed timber in a manner that is consistently understood by and equitable to all active and potential traders/users. Its use in other standards will also aid harmonization and provide a basis for specialist terminology.

NOTE 2 General and specific concepts regarding wood and timber that are used in communication and discussions related to building and civil engineering works have been defined in ISO 6707-1:2004.

The terms are presented in the three official ISO languages (English, French and Russian) using a systematic structure to allow ready comparison of related concepts and to reflect the underlying concept system. Where a given term is used to represent different concepts, creating homonymy between them, each concept is treated in separate terminological entries, with a notational cross-reference to the other entry included in both.