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Acoustics — Noise control design procedures for open plant

*Acoustique — Modes opératoires de contrôle du bruit dans les installations
ouvertes*



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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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 15664 was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.

Annexes A to I of this International Standard are for information only.

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Introduction

This International Standard defines procedures for the noise control design of open plants, including oil refineries, chemical plants, gas plants, unenclosed powerplants, steelworks, gravel washing plants, cement plants, concrete batch plants and other continuous, batch or intermittent operation plants located in the open, in order to achieve optimal environmental, occupational, technical and economic benefits.

This International Standard is applicable to the design of new plants and to the modification/extension of existing plants. It is based on experience in the design, construction, operation and maintenance of such facilities and identifies the major technical and procedural issues that should be addressed in a good plant noise control design.

The users of this International Standard should be familiar with the type of plant involved and have sufficient technical expertise and experience in industrial plant noise control design. This International Standard is intended to be flexible to suit the nature and location of the plant being designed, and the technical abilities of the parties involved.

Where there is any conflict between this International Standard and any local regulations, the requirements of the local regulations should be complied with.

It is specifically intended that the end-user and the contractor agree on the nature and extent of the work to be done and the reporting on the work, and which party carries out what work.

This International Standard is not intended specifically to be a contract document, but it is recognized that annex B and any additional requirements specified separately may form part of a contract between the end-user and the contractor.

This International Standard is not considered suitable for reference in procurements specifications (requisitions) of individual equipment as it addresses issues that are often beyond the scope of an individual equipment item vendor.

A list of standards related to this International Standard is given in the Bibliography.