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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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This document was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.

This second edition cancels and replaces the first edition (ISO 15664:2001), which has been technically revised.

The main changes are as follows:

— The scope of this document has been updated to reflect that requirements for suppliers of noise-emitting equipment have been defined.

— Supplementary specification to this document as defined in S-717 by the Joint Industry Programme 33 (JIP33) of the International Association of Oil and Gas Producers (IOGP) has been added in a new annex (see Annex A).

— The equipment noise data sheet (see Annex E) has been updated.

— A recommended area noise limit has been included to be used where area noise limits are not defined elsewhere.

— Clause 6 has been updated to reflect changes in acoustic engineering work practises and the use of computational noise modelling tools.

— Annex C from the first edition was deleted and replaced by a new Annex C.

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.

Achieving acceptable environmental and occupational noise conditions requires procedures for the noise control design of open plants. This is a common challenge in oil refineries, chemical plants, gas plants, onshore and offshore oil and gas production facilities, unenclosed powerplants, steelworks, gravel washing plants, cement plants, concrete batch plants, sawmills and other continuous, batch or intermittent operation plants located in the open.

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

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

This document is not intended specifically to be a contract document, except for Annex A which is considered suitable for procurement specifications of individual equipment.

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