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Petroleum and natural gas industries — Classification and conformity assessment of products, processes and services

*Industries du pétrole et du gaz naturel — Classification et évaluation
de la conformité des produits, procédés et services*



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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.

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In exceptional circumstances, when a technical committee has collected data of a different kind from that which is normally published as an International Standard ("state of the art", for example), it may decide by a simple majority vote of its participating members to publish a Technical Report. A Technical Report is entirely informative in nature and does not have to be reviewed until the data it provides are considered to be no longer valid or useful.

Attention is drawn to the possibility that some of the elements of this Technical Report may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

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Introduction

When a user/purchaser wishes to procure a product, process or service, the user/purchaser may produce a functional specification (see ISO 13879). If so, the manufacturer/supplier provides a technical specification (see ISO 13880) as the basis for manufacturing or execution. The user/purchaser decides on the extent to which it is necessary to determine, directly or indirectly, that relevant requirements are fulfilled and states this in the contract with the manufacturer/supplier.

This document describes:

- two methodologies which enable the required degree of assurance to be determined by classification, which in turn dictates the conformity assessment system;
- a set of five conformity assessment systems which when applied can give an increasing level of confidence that the product, process or service conforms to stated requirements.