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**Mechanical vibration — Evaluation of  
machine vibration by measurements on  
rotating shafts —**

Part 2:

**Land-based steam turbines and generators  
in excess of 50 MW with normal operating  
speeds of 1 500 r/min, 1 800 r/min,  
3 000 r/min and 3 600 r/min**

*Vibrations mécaniques — Évaluation des vibrations des machines par  
mesurages sur les arbres tournants —*

*Partie 2: Turbines à vapeur et alternateurs installés sur fondation radier,  
excédant 50 MW avec des vitesses normales de fonctionnement de  
1 500 r/min, 1 800 r/min, 3 000 r/min et 3 600 r/min*



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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 part of ISO 7919 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 7919-2 was prepared by Technical Committee ISO/TC 108, *Mechanical vibration and shock*, Subcommittee SC 2, *Measurement and evaluation of mechanical vibration and shock as applied to machines, vehicles and structures*.

This second edition cancels and replaces the first edition (ISO 7919-2:1996), which has been technically revised. Criteria for transient operating conditions, such as run up and run down, have been included.

ISO 7919 consists of the following parts, under the general title *Mechanical vibration — Evaluation of machine vibration by measurements on rotating shafts*:

- *Part 1: General guidelines*
- *Part 2: Land-based steam turbines and generators in excess of 50 MW with normal operating speeds of 1 500 r/min, 1 800 r/min, 3 000 r/min and 3 600 r/min*
- *Part 3: Coupled industrial machines*
- *Part 4: Gas turbine sets*
- *Part 5: Machine sets in hydraulic power generating and pumping plants*

Annex A forms a normative part of this part of ISO 7919. Annex B is for information only.