
**Pipeline corrosion control
engineering life cycle — General
requirements**

*Ingénierie du contrôle de la corrosion des conduites au cours du cycle
de vie — Exigences générales*



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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 156, *Corrosion of metals and alloys*, Subcommittee SC 1, *Corrosion control engineering life cycle*.

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.

Pipeline corrosion control engineering life cycle — General requirements

1 Scope

This document specifies the general requirements for control elements in the life cycle of pipeline corrosion control engineering.

This document is applicable to all types of pipeline corrosion control engineering programmes.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

pipeline corrosion testing and monitoring system

online technology for the real-time testing and feedback of corrosion conditions on both external and internal pipelines

3.2

temporary decommissioning

suspended operation of a system due to emergencies (such as natural disasters, corrosion leakage, etc.)

Note 1 to entry: The decommissioning system will continue to operate after the emergency measures are taken.

3.3

permanent decommissioning

permanent shutdown of a system

Note 1 to entry: The system has been assessed to have significant technical and economic risks via rigorous procedures and will no longer continue to operate.

4 General principles

4.1 This document summarizes all the aspects of the pipeline corrosion control engineering life cycle to provide general requirements for selecting technical and management standards. This document does not provide specific techniques and management procedures for pipeline corrosion control.

4.2 A traceable and supportive management system shall be established to achieve full control and sustainable improvement on all aspects of the pipeline corrosion control engineering life cycle.