
Corrosion control engineering life cycle — General requirements

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



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Foreword

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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.

Corrosion control engineering life cycle — General requirements

1 Scope

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

It is applicable to all types of 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

corrosion control engineering life cycle

entire process of corrosion control that starts from the identification of the *corrosion source* (3.2), and includes the selection of materials and techniques for corrosion control, system engineering design, construction, inspection, assessment and maintenance, through to the final disposal

3.2

corrosion source

element that alone or in combination has the potential to cause corrosion

3.3

optimum benefit

best situation that is based on a comprehensive consideration, and a coordinated and optimized selection

3.4

element

factor that can affect the achievement of the *optimum benefits* (3.3) of the *corrosion control engineering life cycle* (3.1)

3.5

component

sub-part, assembly, portion or process that is a part of, or contributes to, the final assembly

3.6

green plan

green environmental protection measure that comprehensively considers all related known factors, such as reducing resource consumption and engineering waste generation, recycling, etc.