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Corrosion control engineering life cycle of power transmission and transformation systems — General requirements

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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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Corrosion control engineering life cycle of power transmission and transformation systems — General requirements

1 Scope

This document specifies the general requirements for various factors in the corrosion control engineering throughout the life cycle of equipment and devices of power transmission and transformation systems.

This document is applicable to the corrosion control engineering of power transmission and transformation systems.

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 terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
power transmission and transformation systems
combination of all devices and equipment for transmission and transformation in power systems

3.2
corrosion control engineering life cycle of power transmission and transformation systems
entire process of corrosion control engineering for *power transmission and transformation systems* (3.1) from target setting to disposal and scrapping

3.3
life extension
measures taken to extend the service life of corrosion control engineering

3.4
corrosion database
collection dedicated to storing and managing data and information related to corrosion

3.5
map of corrosivity classification
maps that describe the corrosivity categories of specific environments towards metal materials in a certain region during a given period

EXAMPLE 1 Atmospheric corrosivity classification maps.

EXAMPLE 2 Soil corrosivity classification maps.

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