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Irish Standard  
I.S. EN ISO 8565:2011

# Metals and alloys - Atmospheric corrosion testing - General requirements (ISO 8565:2011)

## I.S. EN ISO 8565:2011

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## Metals and alloys - Atmospheric corrosion testing - General requirements (ISO 8565:2011)

Métaux et alliages - Essais de corrosion atmosphérique - Exigences générales (ISO 8565:2011)

Metalle und Legierungen - Korrosionsversuche in der Atmosphäre - Allgemeine Anforderungen (ISO 8565:2011)

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## **Foreword**

This document (EN ISO 8565:2011) has been prepared by Technical Committee ISO/TC 156 "Corrosion of metals and alloys" in collaboration with Technical Committee CEN/TC 262 "Metallic and other inorganic coatings" the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2012, and conflicting national standards shall be withdrawn at the latest by January 2012.

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### **Endorsement notice**

The text of ISO 8565:2011 has been approved by CEN as a EN ISO 8565:2011 without any modification.

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STANDARD**

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8565**

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**Metals and alloys — Atmospheric  
corrosion testing — General  
requirements**

*Métaux et alliages — Essais de corrosion atmosphérique — Exigences  
générales*



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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 2.

The main task of technical committees is to prepare International Standards. 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.

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ISO 8565 was prepared by Technical Committee ISO/TC 156, *Corrosion of metals and alloys*.

This second edition cancels and replaces the first edition (ISO 8565:1992), which has been technically revised.

## Introduction

Corrosion testing under atmospheric exposure conditions is carried out in order

- to obtain data on the corrosion resistance of metals, alloys<sup>1)</sup>, metallic and other inorganic coatings in atmospheric environments,
- to evaluate the type of corrosion of particular metals, and
- to obtain data for corrosivity determination and estimation.

It involves exposure of the specimens to the action of atmospheric environments at the test sites, and periodic checking of the test specimens. It does not cover service corrosion testing.

The corrosion rate of the specified metal depends on the environment of the atmospheric corrosion test site. The relationship between corrosion rates for metals and atmospheric variables is complex. Therefore, the results of field tests cannot be used to predict service performance exactly, but do provide an approximate guidance to service performance.

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1) Hereinafter referred to as “metals”.



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