



National Standards Authority of Ireland
Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

I.S. EN 15431:2008

ICS 43.160

**WINTER AND ROAD SERVICE AREA
MAINTENANCE EQUIPMENTS - POWER
SYSTEM AND RELATED CONTROLS -
INTERCHANGEABILITY AND PERFORMANCE
REQUIREMENTS**

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ICS 43.160

English Version

Winter and road service area maintenance equipments - Power system and related controls - Interchangeability and performance requirements

Matériels de viabilité hivernale et d'entretien des dépendances routières - Organes de puissance et commandes associées - Interchangeabilité et exigences de performance

Winterdienst- und Straßenbetriebsdienstausstattung - Antrieb und Steuerung von Anbaumaschinen - Anforderungen an Austauschbarkeit und Leistung

This European Standard was approved by CEN on 21 October 2007.

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Foreword

This document (EN 15431: 2008) has been prepared by CEN/TC 337/WG 3 "Interface between tools and vehicle", the secretariat of which is held by UNI-CUNA, under the direction of Technical Committee CEN/TC 337 "Winter maintenance and road service area maintenance equipment", the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by July 2008, and conflicting national standards shall be withdrawn at the latest by July 2008.

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1 Scope

This document applies to power systems equipped for the operation and able to drive implements and attachments such as snow ploughs and/or spreaders on winter service vehicles or mowers on road service area maintenance vehicles, equipped with front-mounting plates according to EN 15432.

The purpose of this standard is to ensure interchangeability of vehicles and implements. The minimum requirements on the performance and the components of the hydraulic system as well as the kind, the size and the location of the connecting elements between the vehicle and the implement are specified in this standard.

This standard does not deal with airport equipment.

This standard does not cover applications, where the implements need a continuous hydraulic oil flow exceeding 45 l/min.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references the latest edition of the referenced document (including any amendments) applies.

ISO 1185, *Road vehicles – Connectors for the electrical connection of towing and towed vehicles – 7-pole connector type 24 N (normal) for vehicles with 24 V nominal supply voltage*

ISO 1724, *Road vehicles – Connectors for the electrical connection of towing and towed vehicles – 7-pole connector type 12 N (normal) for vehicles with 12 V nominal supply voltage*

ISO 16028, *Hydraulic fluid power – Flush-face type, quick-action couplings for use at pressures of 20 MPa (200 bar) to 31,5 MPa (315 bar) – Specifications*

ISO 16844-2, *Road vehicles – Tachograph systems – Part 2: Recording unit, electrical interface*

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