

## *Development of European Norms for GSE....*

**...focus on the work items of  
CEN/TC 274 Aircraft ground support equipment**

Development of European Norms, H. Homann  
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## CEN/TC 274 is responsible for standardization activities in the field of aircraft ground support equipment

Ground support equipment is built to support the special requirements of aviation. Types of ground support equipment are in particular:

- Movement equipment
- Transport equipment
- Lifting equipment
- Loading equipment
- Service equipment
- Maintenance equipment



## The concerned products are also used **world-wide at airports**

The special requirements of aviation results from the aircraft interface requirements and the turnaround procedures of aircrafts.

The used equipment is generally not used for applications other than servicing the aircraft!

The European standards drafted by this committee include requirements for occupational health and safety protection as well as some functional and performance requirements.



The committee's programme of work currently comprises 24 Standards covering the subjects of

**General requirements (EN 1915 series)**

- Basic safety requirements
- Stability and strength requirements, calculations, and test methods
- Vibration measurement methods and reduction
- Noise measurement methods and reduction



## Specific requirements (given in the EN 12312 series)

- Passenger stairs
- Catering vehicles
- Conveyor belt vehicles
- Passenger boarding bridges
- Aircraft fuelling equipment
- Deicers and deicing/antiicing equipment
- Aircraft movement equipment
- Maintenance or service stairs and platforms
- Container/Pallet loaders
- Container/Pallet transfer transporters
- Container/Pallet dollies and loose load trailers
- Potable water service equipment
- Lavatory service equipment
- Disabled/Incapacitated passenger boarding vehicles
- Baggage and equipment tractors
- Air start equipment
- Air conditioning equipment
- Nitrogen or Oxygen units
- Aircraft jacks, axle jacks and hydraulic tail stanchions
- Electric ground power units













## Harmonized....

All of this committee's standards have been published and amended to reflect the latest **Machinery Directive 2006/42/EC** and are being revised to reflect **evolving state of the art**.



EUROPEAN STANDARD **EN 1915-1**  
NORME EUROPÉENNE  
EUROPÄISCHE NORM  
January 2013

ICS 49.100 Supersedes EN 1915-1:2001+A1:2009

English Version  
Aircraft ground support equipment - General requirements -  
Part 1: Basic safety requirements


Matériels au sol pour aéronefs - Exigences générales -  
Partie 1: Exigences fondamentales de sécurité Luftfahrt-Bodengeräte - Allgemeine Anforderungen - Teil 1:  
Grundlegende Sicherheitsanforderungen

This European Standard was approved by CEN on 24 November 2012.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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## Working together...

Actively involved in CEN/TC 274 are multinational and national companies (manufacturers and users, such as airports and Groundhandling companies), **insurances** and government health and safety organisations, representative national and multinational associations and national standardization organisations.

CEN members (33) are the national standards bodies of **Austria**, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, **Denmark**, Estonia, Finland, Former Yugoslav Republic of Macedonia, **France**, **Germany**, Greece, Hungary, Iceland, Ireland, **Italy**, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, **Slovenia**, **Spain**, **Sweden**, Switzerland, Turkey and **United Kingdom**.



**Thank you for your attention....**

