



BUSINESS PLAN

CEN/TC 274

Aircraft ground support equipment

EXECUTIVE SUMMARY

CEN/TC 274 is responsible for standardization activities in the field of aircraft ground support equipment (GSE). The concerned products are used world-wide at airports.

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 special requirements of aviation result from the aircraft interface requirements, the turnaround procedures of aircraft and the flight safety hazards resulting from use of improper ground equipment. The equipment used is generally not used for applications other than servicing 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 vast majority of the committee's standards are mandated, following Mandate M/396 "*Mandate to CEN and Cenelec for standardisation in the field of machinery*" and directly address the relevant essential health and safety requirements of EU directive 2006/42/EC on machinery.

CEN/TC 274 would like to joint efforts with ISO/TC 20/SC 9 to develop EN ISO standards under Vienna Agreement wherever possible.

The committee's programme of work currently comprises standards covering the subjects of:

- **General requirements**
 - Basic safety requirements
 - Stability and strength requirements, calculations and test methods
 - Vibration measurement methods and reduction
 - Noise measurement methods and reduction
- **Specific requirements**
 - Passenger stairs
 - Catering vehicles
 - Conveyor belt vehicles
 - Passenger boarding bridges
 - Aircraft fuelling equipment

Deicers and deicing/antiicing equipment
Aircraft movement equipment
Maintenance 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

All of the 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.

CEN/TC 274 has established firm liaisons with the following committees and organizations:

- CEN/TC 98, *Lifting platform*
- CEN/TC 148, *Continuous handling equipment and systems – Safety*
- CEN/TC 150, *Industrial trucks – Safety*
- ISO/TC 20/SC 9, *Air cargo and ground equipment*
- ISO/TC 199, *Safety of machinery*
- International Air Transport Association (IATA) Ground Operations
- SAE AGE 3, *Aircraft ground support equipment*

- **1 BUSINESS ENVIRONMENT OF THE CEN/TC**

1.1 Description of the Business Environment

The following political, economic, technical, regulatory, legal, societal and/or international dynamics describe the business environment of the industry sector, products, materials, disciplines or practices related to the Scope of this CEN/TC, and they may significantly influence how the relevant standards development processes are conducted and the content of the resulting standards.

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

The progressive introduction of these standards already had a direct effect on safety by reducing accidents.

1.2 Quantitative Indicators of the Business Environment

The following list of quantitative indicators describes the business environment in order to provide adequate information to support actions of the CEN/TC.

European Directives more and more address issues concerning safety. It is recognised that harmonized European Standards implement the essential safety requirements (ESRs) of the Directives and assist to develop the single European market.

CEN/TC 274 ensures that the standards for which it is responsible address the relevant essential safety requirements of the 'new approach' directive 2006/42/EC on machinery. The importance of this work has been recognised by the European Commission by its decision to mandate and fund the vast majority of the committee's work items and their maintenance.

2 BENEFITS EXPECTED FROM THE WORK OF THE CEN/TC

The primary task of the committee is to deliver and maintain a series of European standards dealing with aircraft ground support equipment including their accessories and aircraft protection features that meet the essential safety requirements of EU directive 2006/42/EC on machinery. All of the standards developed by the committee are safety related with attendant benefits. Progressively, as the committee's standards are used, technical trade barriers will be removed and the economic benefits of needing only one product for all markets will be realised.

3 PARTICIPATION IN THE CEN/TC

All the CEN national members (i.e. national standardization organizations) are entitled to nominate delegates to CEN Technical Committees and experts to Working Groups, ensuring a balance of all interested parties. Participation as observers of recognized European or international organizations is also possible under certain conditions. Participation of national delegates and national experts is ensured by the respective national standardisation organisation.

Currently, manufacturers, users (such as airports, handlers), union representatives, health and safety organizations as well as national standardization organizations are participating in the work of this committee.

Representatives of the following 6 CEN member states regularly participate in the meetings of CEN/TC 274 and CEN/TC 274/WG 1:

- Austria
- Denmark
- France
- Germany
- Slovenia
- Spain

4 OBJECTIVES OF THE CEN/TC AND STRATEGIES FOR THEIR ACHIEVEMENT

4.1 Defined objectives of the CEN/TC

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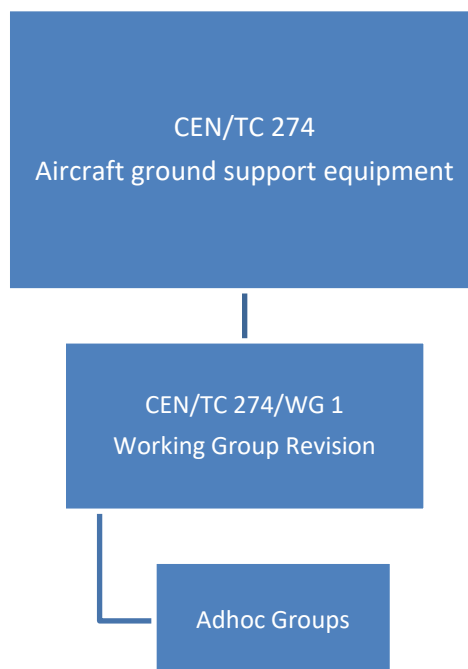
With the exception of EN 12312-11, *Container/Pallet dollies and loose load trailers*, all Standards are cited in the Official Journal of the European Union under Machinery Directive 2006/42/EC and therefore confer presumption of conformity with the Essential Safety Requirements of that Directive.

4.2 Identified strategies to achieve the CEN/TC's defined objectives

Objectives of CEN/TC 274 are to develop and maintain European Standards dealing primarily with safety requirements conforming to relevant EU Directives for aircraft ground support equipment.

To reach the objectives, the TC was once divided into three Sub-Committees. After all standards had been developed it was decided to keep only one Working Group for the revision and maintenance of all standards. Special issues will be discussed in Adhoc Groups.

The current organisation of CEN/TC 274 is as follows:



Working Group Revision has a scope of work, which is identical to the scope of the Technical Committee.

The Technical Committee agreed to work in English only during meetings, eliminating the requirement for parallel translation.

Technical Committee meetings are convened only when necessary. Most matters of the Technical Committee (e.g. taking formal Decisions) are taken care of by correspondence. Working Group Revision is responsible for the drafting and revisions of standards.

The technical committee agreed to work in harmony with the work of the following other committees and technical bodies, to which it engaged into a liaison.

4.3 Environmental aspects

Materials used for GSE manufacturing are mainly metal alloys and plastics which can be easily separated for recycling. For de-icers, potentially harmful substances are in fact used. In the relating standard EN 12312-6 contains an informative Annex with environment protection recommendations.

For future revisions of the full set of the standards, CEN/TC 274 will use CEN Guide 4 as a means to systematically analyze the standards clause by clause considering environmental aspects.

5 FACTORS AFFECTING COMPLETION AND IMPLEMENTATION OF THE CEN/TC WORK PROGRAMME

The technical programme of CEN/TC 274 has reached an advanced state. There is therefore little risk that the programme of work will fail to be completed.

Participation of equipment operating organizations is crucial and desirable.