

CEN/TC 151 work programme - update

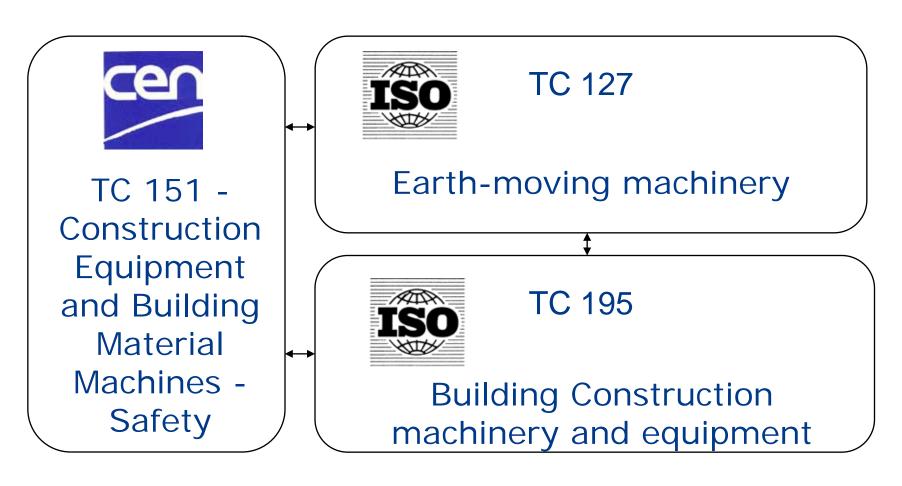


Objectives

- Elaboration of
 - Machine safety standards (Type C) under 2006/42/EC
 - Machine specific standards relating to electromagnetic compatibility (EMC)
- Adoption of ISO Standards as European Standards under the Vienna Agreement which
 - describe requirements for basic, safety-relevant items
 - describe significant, safety-relevant test procedures
 - include basis terminology

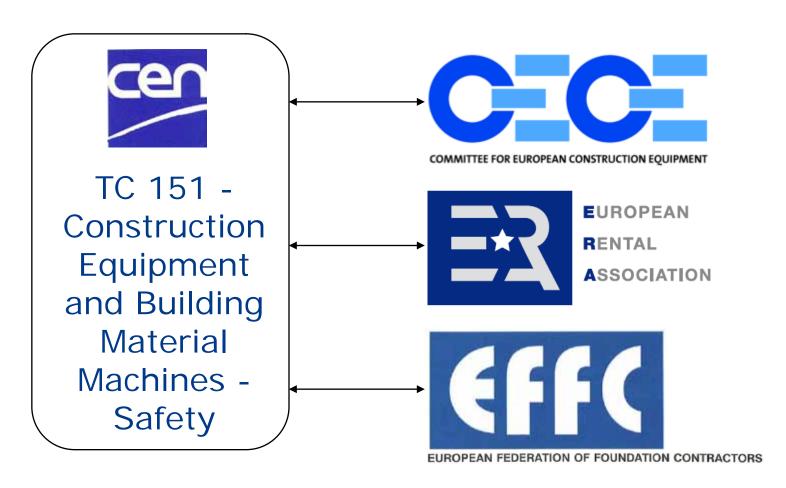


CEN/TC 151 Liasions with ISO committees





CEN/TC 151 Liasions with other committees/associations





CEN/TC 151 working groups

CEN/TC 151/WG 1 Earth-moving machinery - Safety

CEN/TC 151/WG 2 Piling equipment - Safety

CEN/TC 151/WG 3 Drilling equipment - Safety

CEN/TC 151/WG 4 Tunnelling machines - Safety

CEN/TC 151/WG 5 Road construction machines - Safety

CEN/TC 151/WG 6 Machines and equipment to process building materials - Safety

CEN/TC 151/WG 8 Concrete preparation and handling equipment - Safety

CEN/TC 151/WG 9 Machines and plants for the production of cement, lime, and gypsum, including crushing, screening, sizing and recycling - Safety

CEN/TC 151/WG 10 Machines and plant for the production of stones, slabs, pipes,

prefabricated elements of concrete and calcium-silicate - Safety

CEN/TC 151/WG 11 Machines and plants for mining and tooling of natural stone - Safety

CEN/TC 151/WG 12 Machines and plants for manufacture of fine, heavy clay and refractory ceramics - Safety

CEN/TC 151/WG 13 Machines and plants for the production, treatment and processing of flat,

hollow and special glass - Safety

CEN/TC 151/WG 14 Demolition machines - Safety

(CEN/TC 151/WG 15 Electromagnetic compatibility)

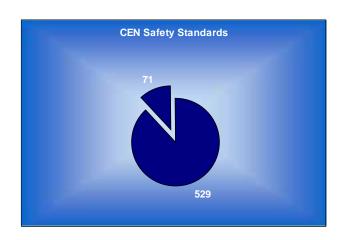
CEN/TC 151/WG 16 Winter service machines and highway maintenance machines



CEN/TC 151 update

Review - Update to Machinery Directive 2006/42/EC

- ca. 600 standards total CEN
- 71 standards CEN/TC 151
- 70 CEN/TC 151 standards updated + published
- 95 % of CEN/TC 151 standards
 cited in the Official Journal of the EU (OJEU)





CEN/TC 151/WG 1 Earth-moving machinery – Safety

28 standards published (thereof 11 EN ISO standards)

- EN 474-1:2006+A1:2009
- EN 474-2:2006+A1:2008
- EN 474-3:2006+A1:2009
- EN 474-4:2006+A1:2009
- EN 474-5:2006+A1:2009
- EN 474-6:2006+A1:2009
- EN 474-7:2006+A1:2009
- EN 474-8:2006+A1:2009
- EN 474-9:2006+A1:2009
- EN 474-10:2006+A1:2009
- EN 474-11:2006+A1:2008
- EN 474-12:2006+A1:2008

- EN 12643:1997+A1:2008
- EN 13531:2001+A1:2008
- EN 15573:2008
- CEN/TS 15730:2008

- EN ISO 2860:2008
- EN ISO 2867:2008
- EN ISO 3164:2008
- EN ISO 3411:2007
- EN ISO 3449:2008
- EN ISO 3450:2008
- EN ISO 3457:2008
- EN ISO 5353:1998
- EN ISO 6682:2008
- EN ISO 6683:2008
- EN ISO 7096:2008
- EN ISO 7096:2008/AC:2009



CEN/TC 151/WG 1 Earth-moving machinery – Safety

Active work items

1. EN 474-1:2006/prA3

- "new" Annex H on demolition machinery
- based on CEN/TS 13778
 "Mobile demolition machinery Safety requirements"
- first draft available
- Submission to CEN enquiry 2010-10-08
- Publication expected 2013-01-10



Active work items

2. EN 474-4/prA2 and EN 474-5/prA2

- Pending formal objection
- Standards so far not cited in the OJEU
- New requirement:
 "...shall be equipped boom(s) and arm(s) cylinder(s) with: "a boom lowering control device on the raising)."
- Submission to UAP (unique acceptance procedure) latest by 2011-04-06, publication latest by 2011-12-26



Active work items under the Vienna agreement (ISO lead)

- 3. prEN ISO 3450 Earth-moving machinery Wheeled or high-speed rubber-tracked machines – Performance requirements and test procedures for brake systems
 - revision in progress
 - to address hydrostatic braking, electronic braking,
 - to provide suitable criteria for underground mining applications
- 4. prEN ISO 2867 Earth-moving machinery Access systems
 - revision in progress
 - update of performance criteria for access, maintenance and moveable platforms, machine servicing and repairs
 - update of requirements for access systems from the ground



Future work items

1. EN 474-1/prA2

- formal objection against EN 474-1 in 2007
- Annex B (requirements for attachment brackets) of EN 474-1 does not address the hazard present when the operator fails to insert the safety pin
- work item to be reactivated at the next plenary level
- Ad hoc group requested to provide proposal
- Publication can be expected beginning 2012



Future work items

2. EN 474-5/prA3

- Reference to ISO 12117-2 "Roll-over protective structures (ROPS) for excavators of over 6 t"
- Machinery Directive 2006/42/EC: Where,...., there is a risk of rolling or tipping over, the machinery must be fitted with an appropriate protective structure,...
- 3. EN 12643 Earth-moving machinery Rubber-tyred machines Steering requirements
- to be withdrawn
- In future reference to (EN)ISO 5010



Future work items

4. EN 474 Parts 1-12

- Revision of EN 474 parts 1-12 required
- Decision at plenary meeting for creation of preliminary new work items
- Establishment of a revision group to prepare a detailed work plan, timeframe, milestones, etc.
- Inclusion of rollers as a new part 13
- Coordination with ISO/TC 127 regarding (parallel) revision of ISO 20474 necessary



CEN/TC 151/WG 3 Drilling and Foundation Equipment – Safety

published standards

EN 996:1995+A3:2009 Piling equipment – Safety requirements

EN 791:1995+A1:2009 *Drill rigs – Safety*

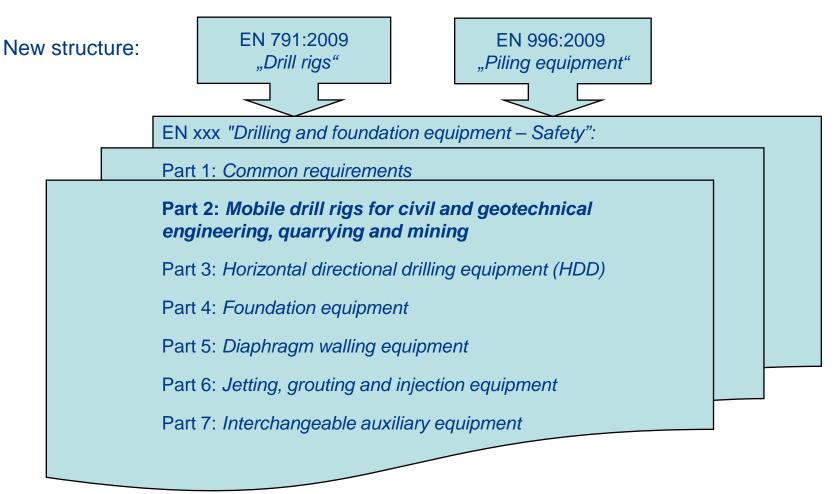
Active work items

1. Merger of EN 791 + EN 996

- adoption of preliminary new work item in 2007
- activation of work item 2009
- most critical and extensive discussion: guarding of drill rigs and stability
- 13 active ad hoc groups to deal with specific safety aspects (e.g. guarding, noise/vibration, access, terminology, etc.)
- Submission to CEN enquiry 2010-10-08
- publication latest by 2012-10-10



CEN/TC 151/WG 3 Drilling and Foundation Equipment – Safety





CEN/TC 151/WG 9 Machines and plants for the production of cement, lime, and gypsum, including crushing, screening, sizing and recycling - Safety

New activities planned for re-establishing work to:

- prEN 1009-1 Machines for mechanical processing of minerals and similar solid materials Safety Part 1: General
- prEN 1009-2 Machines for mechanical processing of minerals and similar solid materials - Safety - Part 2: Feeding machinery
- prEN 1009-3 Machines for mechanical processing of minerals and similar solid materials - Safety - Part 3: Crushing and milling machinery
- prEN 1009-4 Machines for mechanical processing of minerals and similar solid materials - Safety - Part 4: Sizing and sorting machinery



CEN/TC 151/WG 15 Electromagnetic compatibility

Active work items

- 1. Revision of EN 13309:2000 Construction machinery Electromagnetic compatibility of machines with internal power supply
- update to actual EMC directive 2004/108/EC
- Final draft FprEN 13309:2010 approved
- Definitive text available (dav) 28 July 2010
- Date of withdrawal of national standards (dow) 31 January 2011



CEN/TC 151/WG 15 Electromagnetic compatibility Active work items

2. Joint working group with ISO/TC 127, ISO/TC 195

- New work item EN ISO standard on EMC based on revised EN 13309
- EN 13309 and ISO 13766 to be replaced by this "new" EN ISO standard
- "New" EN ISO standard for "Construction machinery", 2 parts
 - Part 1: "General EMC requirements under typical EMC environmental conditions"
 - Part 2: "Additional EMC requirements for Functional Safety" (exceptional EMC environmental conditions)



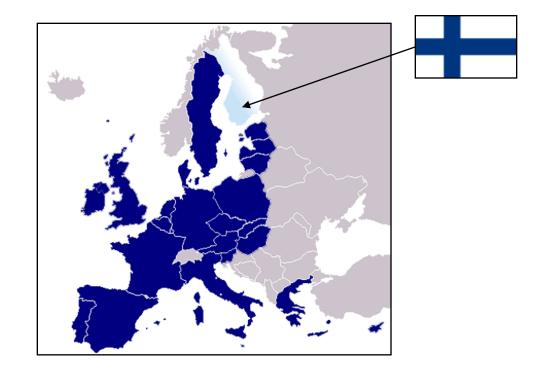
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CEN/TC 151 update

CEN/TC 151 plenary meeting

- 26/27 October 2010
- Helsinki, Finland









TC 195 Building construction Machinery and equipment



ISO/TC 195 update

- 22 published standards
- 16 P-members, 15 O-members
- nomenclature, classification, ratings, technical requirements, test methods
- and safety requirements

TC 195/SC 1 Machinery and equipment for concrete work

TC 195/WG 1 Classification

TC 195/WG 5 Road construction and maintenance equipment – Terminology and commercial specifications

TC 195/WG 6 Hand-held machinery and equipment

TC 195/WG 7 Pedestrian controlled compaction equipment

TC 195/WG 8 Aggregate processing



ISO/TC 195 WG 8 update

Published standards

- ISO 21873-1:2008 Building construction machinery and equipment Mobile crushers Part 1: Terminology and commercial specifications
- ISO 21873-2:2009 Building construction machinery and equipment Mobile crushers Part 2: Safety requirements

Active work items

• ISO/WD 21873-3 Building construction machinery and equipment – Mobile crushers – Part 3: Performance tests



Thank you for your attention

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