








Smart Ecomine Hub: Standardization Working Group

Introduction

Within task 5.5 of **Mastermine project**, “Clustering with the EU mining R&I community and **Standardization**”, **ITA** oversees the work towards Standardization of the project by monitoring relating Standards and making suggestion to improve.

Schedule

| | |
|---|----------------------|
|  ita Instituto Tecnológico de Aragón Introduction | 9:30 - 9:35 |
|  mastermine | 9:35 - 9:55 |
|  MINE.IO | 9:55 - 10:15 |
|  DINAMINE | 10:15 - 10:35 |
|  NETHELIX | 10:35 - 10:55 |
| Questions-Discussion | 11:00 – 12:00 |



mastermine

Smart Ecomine Hub: Standardization Working Group

Index

1. *METHODOLOGY*
2. *FIRST ACTIONS*
3. *REGISTRATION IN TECHNICAL COMMITTEES*
4. *ESTABLISHMENT OF A WORKGROUP*
5. *MONITORIZATION OF RELATING STANDARDS. WORKFLOW*
6. *EXAMPLE*
7. *NEXT ACTIONS*

1. Methodology



- Contacting Consortium
- Build panel of Standards
- Studying ISO/TCs

- Registration in TCs
- Reviewing the methodology
- Establishment of a workflow

- Launching the WSI
- **Monitoring Standards**
- **Notifying partners**
- Making suggestions to improve

2. First Actions

EXPLORATION

| Topic of Action | Actions | Lead Partner |
|---|--|--------------|
| MONITORING RELATING STANDARDS AND MAKING SUGGESTION TO IMPROVE | - Contact Consortium to check their belonging to National and/or European Technical Committees for Standardization concerning MASTERMINE | ITA |
| | - Contact Consortium to build the panel with the Standards to be used in every MASTERMINE module | ITA |
| | - Collect the Standards to be monitored, at least ISO/TC 82 , and study this Technical Committee | ITA |

PREPARATION

| TECHNICAL COMMITTEE (TC/SC) |
|-----------------------------|
| ISO/TC 82/SC 8 |
| ISO/TC 82/SC 7 |
| ISO/TC 82 |
| ISO/TC 345 |
| ISO/TC 298 |
| ISO/TC 27/SC 5 |
| ISO/TC 27/SC 4 |
| ISO/TC 27/SC 3 |
| ISO/TC 27/SC 1 |
| ISO/TC 27 |
| ISO/TC 183 |
| ISO/TC 127/SC 4 |
| ISO/TC 127/SC 3 |
| ISO/TC 127/SC 2 |
| ISO/TC 127/SC 1 |
| ISO/TC 127 |
| ISO/TC 263 |
| CEN/TC 321/WG 6 |
| CEN/TC 321/WG 4 |
| CEN/TC 321 |
| CEN/TC 317 |
| CEN/TC 246 |
| CEN/TC 196 |
| CEN/TC 178/WG 5 |
| CEN/TC 178/WG 4 |
| CEN/TC 178/WG 2 |
| CEN/TC 151/WG 11 |
| CEN/TC 151 |



PREPARATION

[illegible]

4. Establishment of a Workgroup

WORKGROUP FOR STANDARDIZATION ISSUES

Relate each reference topic to a partner according to the expertise and “launch the Workgroup”:

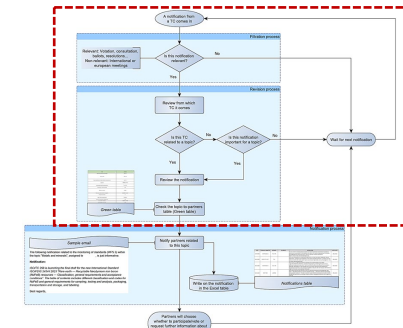
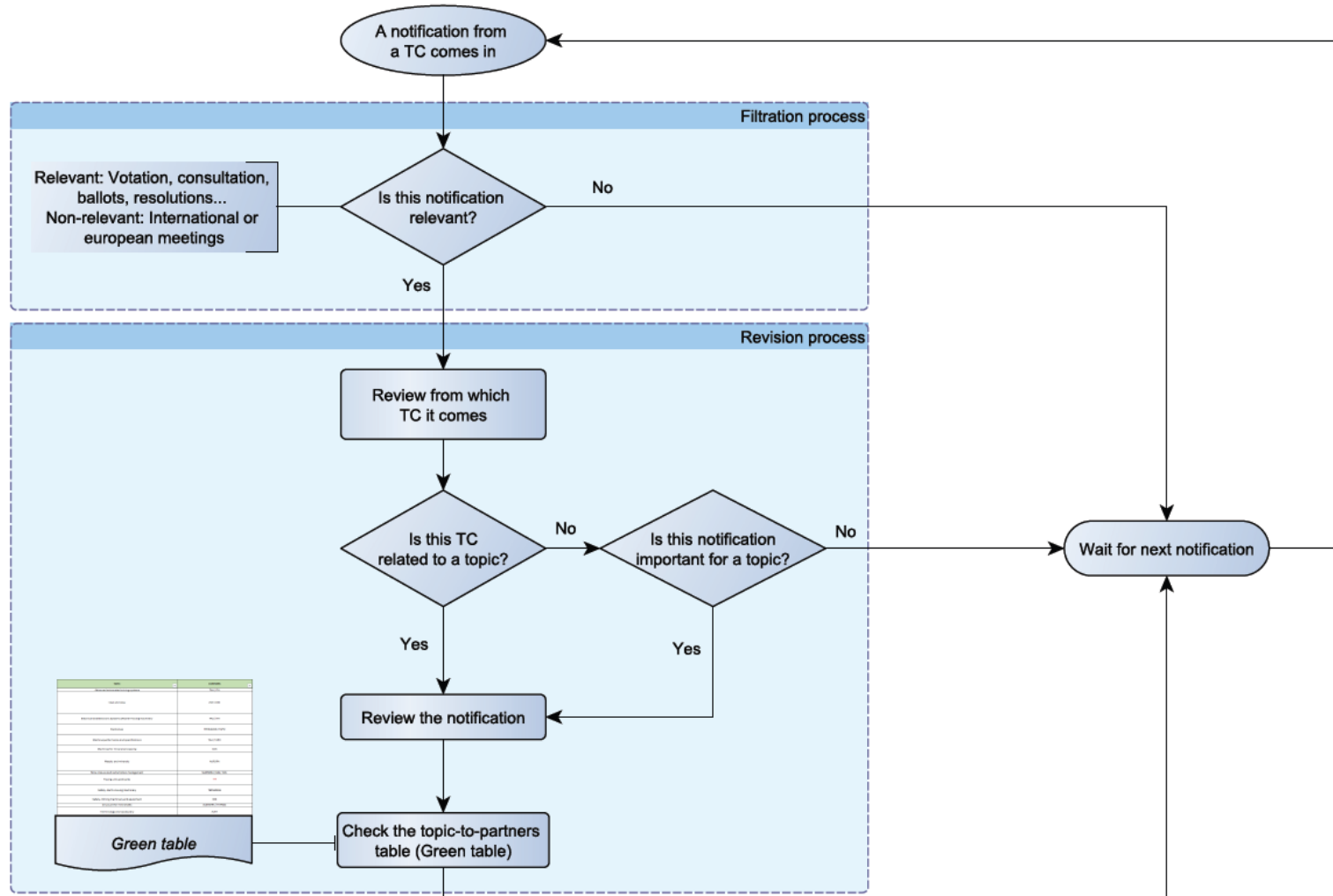
| --- Workgroup for standardization issues --- | | | |
|---|---|--|--------|
| TOPIC | PARTNERS | CONTACT | NOTIFY |
| Advanced automated mining systems | TAU / ITA | mtlazaro@ita.es, lmontano@ita.es, jussi.aaltonen@tuni.fi | |
| Coal and coke | <p>Dear partners,</p> <p>Attached you will find a proposal of topics to be addressed by each partner concerning the generation of a workgroup for standardization issues. This workgroup will be in charge of monitoring the changes in the different Standards that are in this document. ITAINNOVA will be monitoring the topics on the top table, which relates topics with partners; the bottom table contains the standards or family of standards that will be monitored directly by the interested partners if necessary.</p> <p>The work flow will be launched from ITA as responsible of this task, which will be in charge of the monitoring the scope of TC (Technical Committees) that was tailored from your feedback. Every time a notification appears, ITA will preanalyse the info and will resend it to the corresponding partner in the workgroup if the changes are within a topic.</p> <p>Therefore, Could you confirm your interest in adresssing the assigned topic? If not, Could you suggest where you would like to be assigned?</p> <p>Do not hesitate to contact us for any doubt or comment,</p> <p>Best regards, Jesús Martín</p> | | |
| Electrical and Electronic Systems of Earth-moving machinery | | | ▶ |
| Explosives | | pojarvi.fi, | |
| Machine performance and specifications | | pojarvi.fi | ▶ |
| Machines for mineral processing | | | ▶ |
| Metals and minerals | | | |
| Mine closure and reclamation management | | iero@sysstra.com | |
| Paving units and kerbs | | | |
| Safety - Earth-moving machinery | | | ▶ |
| Safety - Mining machinery and equipment | | | |
| Structure for mine shafts | | @tharsismining.com | |
| Terminology and vocabulary | AUTH | vpsomiadis@csd.auth.gr, mfoumalis@geo.auth.gr | |

CHOOSE
CTN/SC/WG -->

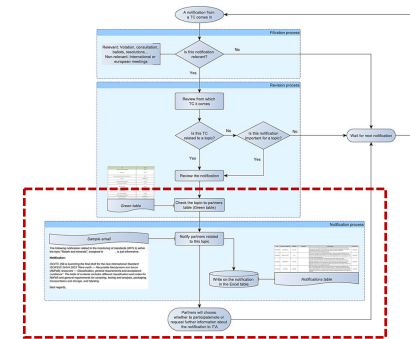
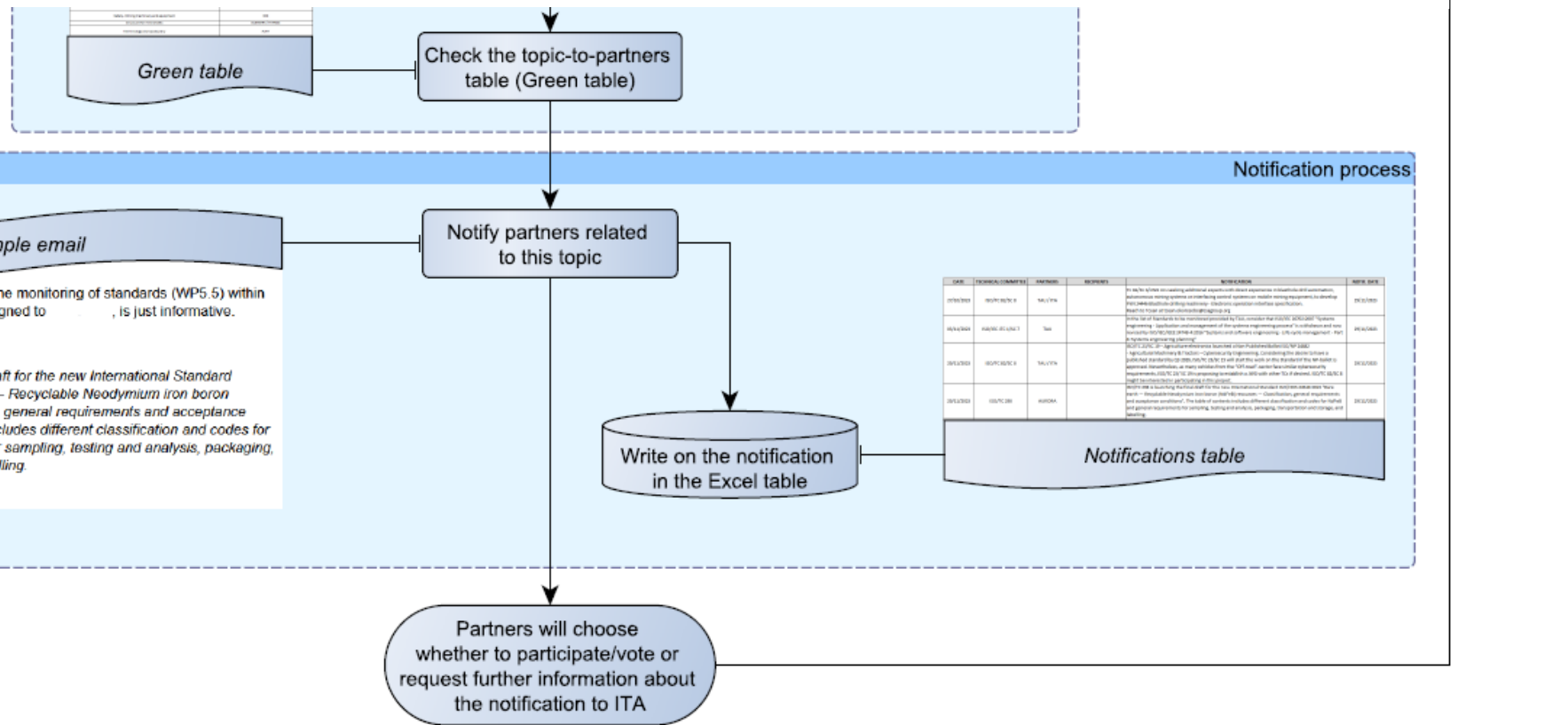
CEN/TC 151

ISO/TC 82
ISO/TC 345
ISO/TC 298
ISO/TC 27/SC 5
ISO/TC 27/SC 4
ISO/TC 27/SC 3
ISO/TC 27/SC 1
ISO/TC 27
ISO/TC 183
ISO/TC 127/SC 4
ISO/TC 127/SC 3

5. Monitorization of relating standards. Workflow



5. Monitorization of relating standards. Workflow



5. Monitorization of relating standards. Workflow

Throughout this year 2025: 19 notifications sent from 140 notifications received
20% of Useful Notifications compared to the previous 6%
Reason: the partners' interests have been adjusted

After sending a notification, we log it on the “notifications table”:

| | | | | | | |
|-----------|------------|---|--------------------|--|---|------------|
| 51 | 21/02/2025 | ISO/TC 127/SC 4 | AUTH / ITA | Terminology and vocabulary | This notification is related to notification #27 dated 2024-12-17: ISO/FDIS 7334 "Earth-moving machinery — Vocabulary and taxonomy for automation and autonomy" has been registered for the last stage, Standard under publication (Stage 60.00). As told on notification #27, this ISO Standard will probably be published on Target date, March 17, 2025; limit date June. Nevertheless, as members of this TC, we have access to the French version of this Standard. | 10/03/2025 |
| 52 | 25/02/2025 | CEN/TC 477 | MASTERMINE PROJECT | Sustainable production of mineral and metal raw materials | Considering the requirements in CEN-CENELEC Guide 25 'The concept of partnership with European organizations and other stakeholders' and following the first positive assessment by CCMC, members of CEN/TC 477 have approved the participation of Euromines as liaison to CEN/TC 477 with seven (7) votes in favor, twelve (12) abstentions, and none (0) against. | 10/03/2025 |
| 53 | 02/03/2025 | ISO/TC 127/SC 2 | TERNAMAG / ITA | Safety - Earth-moving machinery; and Autonomy and automation | This notification is related to notification #32 dated 2024-12-5 about ISO/PWI 6135 "Earth-moving machinery - Safety of the intended functionality" is now on stage 10.20, new project ballot initiated. This document will establish general principles for the development and evaluation of the safety of the intended functionality (SOTIF) for earth-moving machinery (EMM) as defined in ISO 6165. This document will be applicable to levels of autonomy and automation from L1 to L5 as defined in ISO/DIS 7334 "Earth-moving machinery — Vocabulary and taxonomy for automation and autonomy" - PENDING OF PUBLICATION (March-June 2025). Therefore, 14 in favour out of 15 members have voted to pass this Preliminary Work Item (PWI) to the next stage, Working Draft (WD) and 100% have decided that Stakeholders consultation is the most important part to draw up this Standard. | 10/03/2025 |
| 2025 | | MARCH 2025 SUMMARY: 141 Emails received --> 94 Useful Emails; 19 Notifications sent --> 20% Useful Notifications | | | | |
| 2023-2025 | | OCTOBER 2023 - MARCH 2025 SUMMARY: 973 Emails received --> 646 Useful Emails; 53 Notifications sent --> 8% Useful Notifications ===== Increase of 6 to 8% (30% more useful notifications) | | | | |

6. Example

Checking the “green table”

E-mail received:

Relacionado CEN comités

CEN/TC 151 - Construction equipment and building material machines - Safety

[Ver todos los documentos en línea](#)

para información

| N | Documento |
|---|--|
| 0 | Votación > Resultado de la votación CEN/TC 151/WG 12 - Future of published standards - Result of voting |
| 0 | Votación > Resultado de la votación CEN/TC 151/WG 10 - Future of published standards - Result of voting |

| --- Workgroup for standardization issues --- | | | |
|---|----------------------|--|--------|
| TOPIC | PARTNERS | CONTACT | NOTIFY |
| Advanced automated mining systems | TAU / ITA | mtlazaro@ita.es, Imontano@ita.es, jussi.aaltonen@tuni.fi | |
| Coal and coke | JSW / GIG | sswaczyna@jsw.pl, mawenglorz@jsw.pl, awrana@gig.eu | |
| Electrical and Electronic Systems of Earth-moving machinery | TAU / ITA | mtlazaro@ita.es, Imontano@ita.es, jussi.aaltonen@tuni.fi | ▶ |
| Explosives | TERNAMAG / TAPO | gtsoupas@ternamag.com, kgatos@ternamag.com, Markus.partanen@tapojarvi.fi, seppo.ahola@tapojarvi.fi | |
| Machine performance and specifications | TAU / TAPO | jussi.aaltonen@tuni.fi, Markus.partanen@tapojarvi.fi, seppo.ahola@tapojarvi.fi | ▶ |
| Machines for mineral processing | ICCS | andreas.mourelatos@iccs.gr | ▶ |
| Metals and minerals | AURORA | kostas.botsialas@aurora-geo.com | |
| Mine closure and reclamation management | SUBTERRA / GIG / JSW | awrana@gig.eu, sswaczyna@jsw.pl, mawenglorz@jsw.pl, subterra, gvaquero@systra.com | |
| Paving units and kerbs | ??? | ??? | |
| Safety - Earth-moving machinery | TERNAMAG | gtsoupas@ternamag.com, kgatos@ternamag.com | ▶ |
| Safety - Mining machinery and equipment | GIG | awrana@gig.eu | |
| Structure for mine shafts | SUBTERRA / THARSIS | gvaquero@systra.com, felix.carnero@tharsismining.com, manuel.sevilla@tharsismining.com | |
| Terminology and vocabulary | AUTH | vpsomiadis@csd.auth.gr, mfoumelis@geo.auth.gr | |

CHOOSE
CTH/SC/WG → CEN/TC 151

6. Example

E-mail received:

Relacionado CEN comités

CEN/TC 151 - Construction equipment and building material machines - Safety

[Ver todos los documentos en línea](#)

para información

| N | Documento | Proyecto relacionado (si el gestor del comité así lo ha indicado) |
|---|--|---|
| 0 | Votación > Resultado de la votación CEN/TC 151/WG 12 - Future of published standards - Result of voting | Votación: CEN/TC 151/WG 12 - Future of published standards |
| 0 | Votación > Resultado de la votación CEN/TC 151/WG 10 - Future of published standards - Result of voting | Votación: CEN/TC 151/WG 10 - Future of published standards |

TC

CEN/TC 151/WG 12 - Future of published standards - Result of voting

Download

Share

Alert

View

You are viewing this workspace in your role as National Expert. [Access your related committees](#)

1 de 5

Tamaño automático

Result of voting

jmartin@itainnova.es - 2024-09-02 11:55:27

Ballot Information

Ballot reference

CEN/TC 151/WG 12 - Future of published standards

Ballot type

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

English title

00151290 EN 13367:2005+A1:2008 Ceramic machines – Safety – Transfer platforms and cars
00151302 EN 13102:2005+A1:2008 Ceramic machines – Safety – Loading and unloading of fine clay tiles
00151C13 EN 13367:2005+A1:2008/AC:2009 Ceramic machines – Safety – Transfer platforms and cars

Opening date

2024-06-25

Closing date

2024-08-30

Version

0.2

Last Modified

2024-08-31

Created

2024-08-31

By

E

EB3

Contributors

E

EB3

N Number

0

Title

CEN/TC 151/WG 12 - Future of published standards - Result of voting

Status

Available

Description

CEN/TC 151 WG 12 Machines and plants for the manufacture of fine, heavy clay and refractory ceramics – Safety
00151290 EN 13367:2005+A1:2008 Ceramic machines – Safety – Transfer platforms and cars 00151302 EN 13102:2005+A1:2008 Ceramic machines – Safety – Loading...
[Show more](#)

Type

Ballot

Subtype

Result of voting

Checking the notification

6. Example

E-mail received:

Relacionado CEN comités

CEN/TC 151 - Construction equipment and building material machines - Safety

[Ver todos los documentos en línea](#)

para información

| N | Documento | Proyecto relacionado (si el gestor del comité así lo ha indicado) |
|---|--|---|
| 0 | Votación > Resultado de la votación CEN/TC 151/WG 12 - Future of published standards - Result of voting | Votación: CEN/TC 151/WG 12 - Future of published standards |
| 0 | Votación > Resultado de la votación CEN/TC 151/WG 10 - Future of published standards - Result of voting | Votación: CEN/TC 151/WG 10 - Future of published standards |

E-mail sent:

Asunto [MASTERMINE] WP5.5 Standardisation - Notifications

Good morning,

The following notifications related to the monitoring of standards (WP5.5) within the topic "Safety: Earth-moving machinery; and Mining machinery and equipment" are assigned to TERNAMAG / GIG. Sorry this Committee related to your topic has been so diligent lately.

Notification 1:

The next project, EN 12096:1997 "Mechanical vibration - Declaration and verification of vibration emission values", is an important standard in context of the Machinery Directive (EU) 2023/1230 and must therefore be brought up to date. For this reason, a PWI (Preliminary Work Item) has been activated. Due to comments from Systematic Review and new requirements in the (EU) 2023/1230 a revision is needed, though the scope will not change. Topics to be discussed - most of them in Annex B:

- Declaration of new requirement shocks
- Clarification of values for whole body vibration

The stakeholder categories immediately affected by the proposal are: Industry and commerce, SMEs and Labour. The target dates for the below key stages are: 10.99: 2024-09-20; 20.60: 2025-01-17; 30.99: 2025-05-16; 45.99: 2026-07-03.

| # | DATE | TECHNICAL COMMITTEE | PARTNERS | TOPIC | RECIPIENTS | NOTIFICATION | NOTIF. DATE | FEEDBACK |
|----|------------|---------------------|----------------|--|---|---|-------------|----------|
| 26 | 31/08/2024 | CEN/TC 151 | TERNAMAG / GIG | Safety: Earth-moving machinery; and Mining machinery and equipment | gtsoupas@ternamag.com, kgatos@ternamag.com, awrana@gig.eu | <p>CEN/TC 151 took the next decision about the future of published standards within WG 10:</p> <ul style="list-style-type: none">- Machines and plants for the production of stones, slabs, pipes, prefabricated elements of concrete and calcium-silicate – Safety. Standards EN 12629-4:2001+A1:2010, EN 12629-5-1:2003+A1:2010, EN 12629-5-2:2003+A1:2010, N 12629-5-3:2003+A1:2010, N 12629-5-4:2003+A1:2010, EN 12629-7:2004+A1:2010, EN 12629-8:2002+A1:201 <p>The above mentioned standards have been published between 2002 and 2004 and have been updated (only Annex ZA) in 2010. The corresponding working group 10 has been disbanded now for several years and no expertise is available anymore. It must be decided now, whether or not these standards have to undergo the "GAP" analysis in order to check the relevance of the newly improved or modified requirements by the Machinery Product regulation. For that reason, the CEN/TC 151 took the following decision at their last plenary meeting in June:</p> <p>DECISION 1089 taken by CEN/TC 151 on 2024-06-06 Subject: CEN/TC 151/WG 10 – GAP analysis for the EN 12629 series of standards CEN/TC 151 Construction equipment and building material machines – Safety,</p> <ul style="list-style-type: none">- decides to launch a CIB for all parts of the standard proposing their withdrawal making it clear that if there are no objections, the withdrawal process will be started. The decision was taken by unanimity. Therefore all member bodies are requested to check carefully, whether or not the standards can be withdrawn. In case, the standards are still being used, the member body/bodies which are using the standard(s) will be requested to perform the GAP analysis together with their stakeholders, <p>The standards will probably NOT be withdrawn due to the fact that the result of the votation was 2-2 (18 abstentions).</p> | 02/09/2024 | |

7. Next Actions

| Topic of Action | Actions |
|---|---|
| MONITORING RELATING STANDARDS AND MAKING SUGGESTION TO IMPROVE | - Monitoring Standards from ISO/TC 82 and ISO/TC 127 related to the topics of interest |
| | - Notifying partners about changes in the Standards related to their topics of interest |
| | - <u>When the pilots start</u>, MAKING SUGGESTIONS TO IMPROVE STANDARDS |

Thank you for your attention!

Any questions?

