

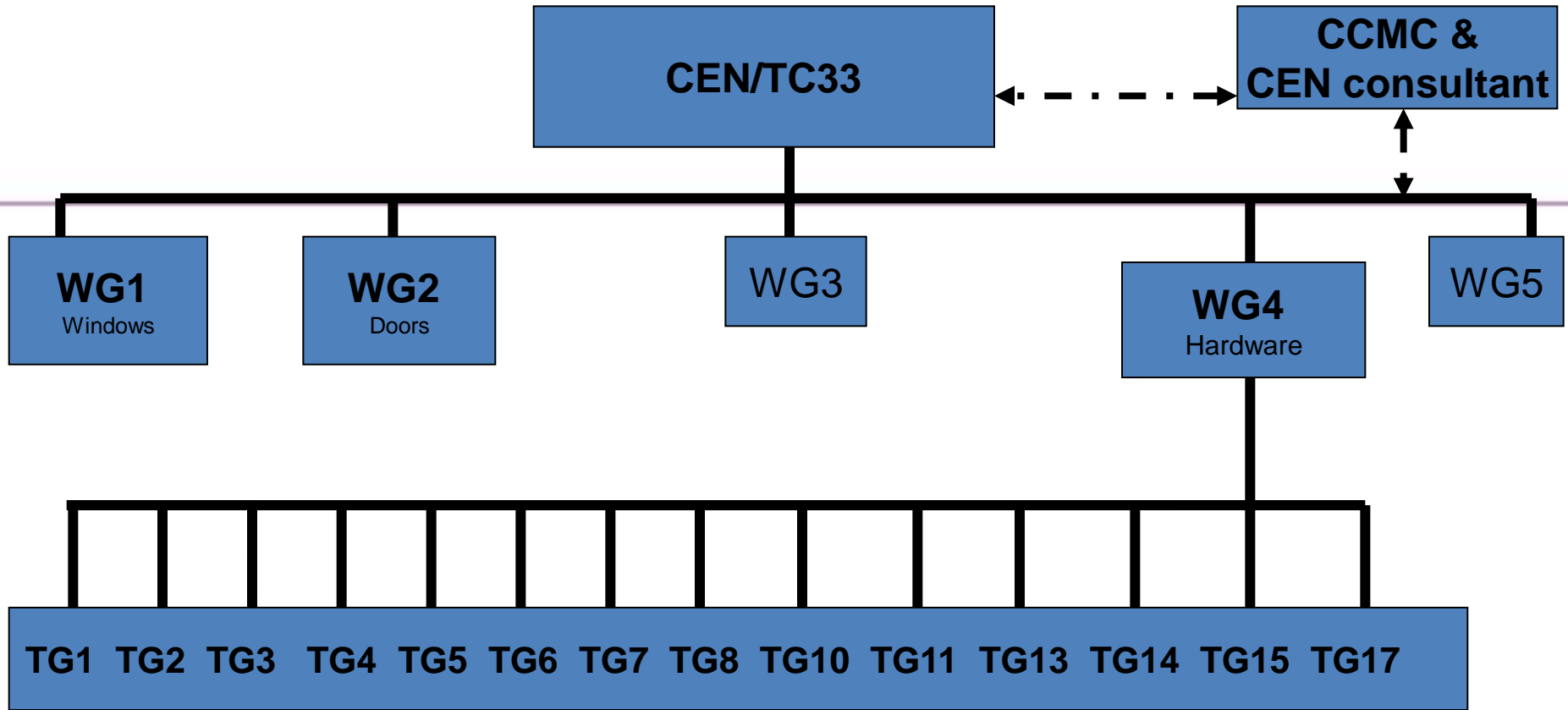
Update on European hardware standards
by
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convenor of CEN/TC33/WG4

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- 2) The Task Groups responsible for the standards
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- 4) The current issues with Harmonised standards

- The origin of European standards within CEN/TC33



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- The Task Groups responsible for the standards

• European standards covered by CEN/TC33/WG4

- TG2 = Corrosion to EN 1670
- **TG3** = Mechanically operated locks to EN 12209
= Electro operated locks to EN 14846
= Multipoint locks to prEN 15685
- TG4 = Cylinders to EN 1303
= Mechatronic cylinders to prEN 15684
- **TG5** = Single axis hinges to EN 1935

- **European standards covered by CEN/TC33/WG4 (con't)**

- **TG6**
 - = Door closing devices to EN 1154
 - = Door Hold open devices to EN 1155
 - = Door Coordinators to EN 1158
 - = Un-controlled door closing devices prEN 15887
- TG7
 - = Door lever furniture or knobs to EN 1906
- TG8
 - = Door and window bolts to EN 12051.
- **TG10**
 - = Panic exit devices to EN 1125
 - = Emergency exit devices to EN 179
 - = Electromechanical exit systems to prEN 13637

- **European standards covered by CEN/TC33/WG4 (con't)**

- TG11 = Hardware for sliding door gear to EN 1527
- TG13 = Hardware for windows to EN 13126
There are 19 parts covering items such as Finger catches, tilt & turn hinges, restrictors, rollers, espagnolettes, etc.
- TG14 = Gaskets and weather stripping to EN 12365
- TG15 = Padlocks & fittings to EN 12320
- TG17 = Fittings for use by Children, Elderly and disabled to TR EN 15894

- Update on each hardware standard.

- Corrosion to EN 1670

- A revision to this standard was published in 2008, the only major change was adding a new grade 5, which now allows for 480 hours exposure.



- **TG3** = Mechanically operated locks to EN 12209
 - = Electromechanically operated locks to EN 14846
 - = Multipoint locks to prEN 15685

EN 12209 was published in 2003 and is currently under revision.

EN 14846 was published in 2008 and “CE” marking within Europe should be possible 2012?

prEN 15685 is current in draft form and hope for publication in 2012.

Lock durability



- TG4 = Cylinders to EN 1303
= Mechatronic cylinders to prEN 15684
- EN 1303 was published in 2005, there are plans for a revision to this standard.
- prEN 15684 is currently drafted and is with BSI for editing

- Chisel test



- Drill test

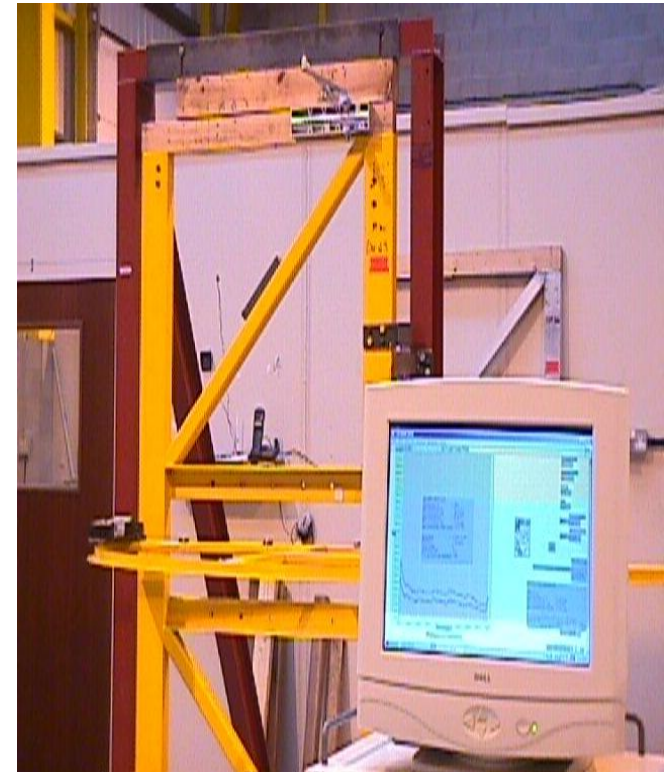


- **TG5** = Single axis hinges to EN 1935

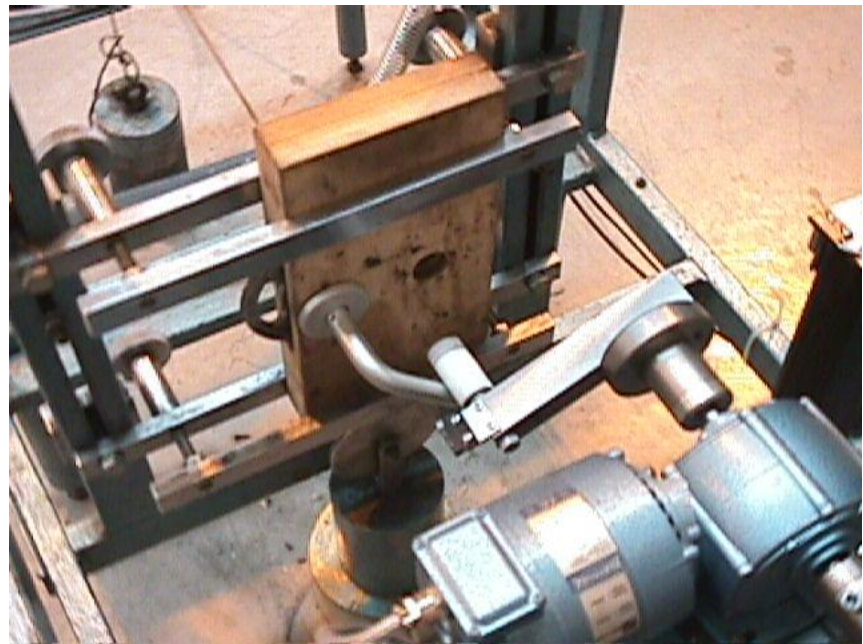
- Currently with the CEN consultant in draft form after a revision. Hoping for publication early 2012.
- Major changes,
- removing the shear test
- adding extra door mass
- grades 15 = 200kg,
- 16 = 250kg and 17 = 250kg+



- **TG6** = Door closing devices to EN 1154
 - = Door Hold open devices to EN 1155
 - = Door Coordinators to EN 1158
 - = Un-controlled door closing devices prEN 15887
- TG6 are looking to revise the following standards during 2012
- EN 1154, EN 1155 & EN 1158
- prEN 15887 is currently in draft form
- and waiting for the CEN
- Consultant's review.

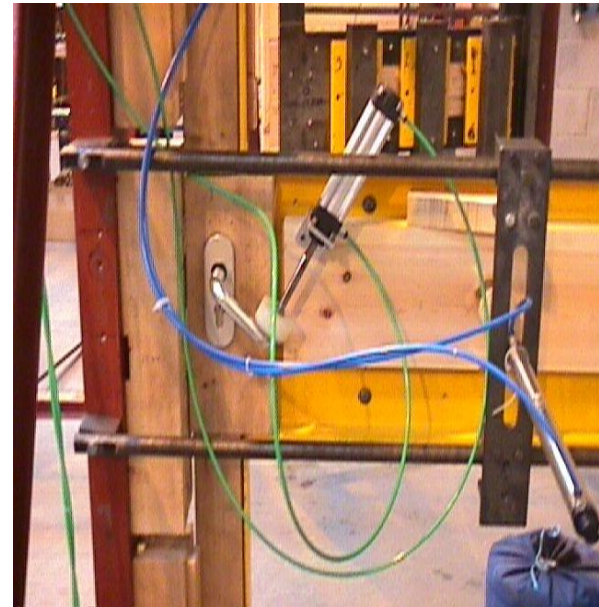
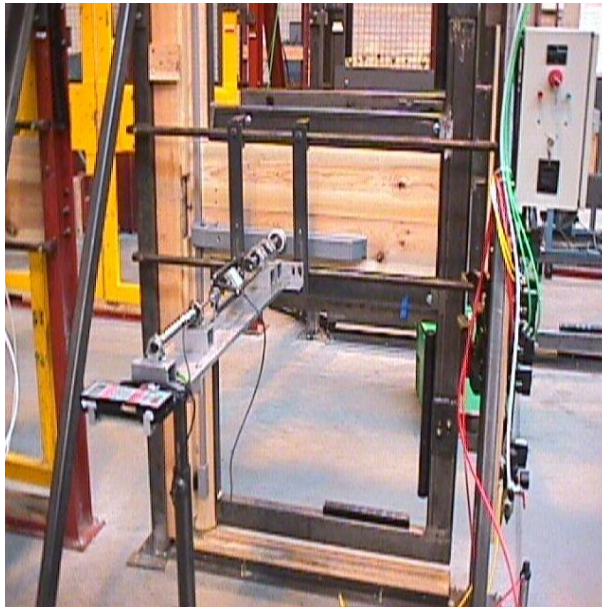


- TG7 = Door lever furniture or knobs to EN 1906,
- EN 1906 was published May 2010, but is currently under revision and should be published early 2012.



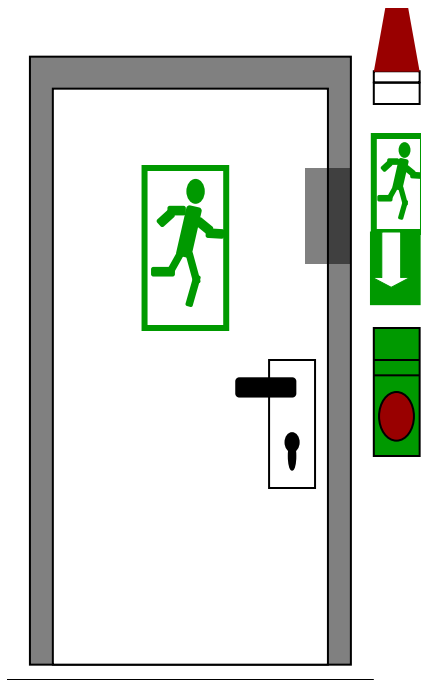
- **TG10** = Panic exit devices to EN 1125
= Emergency exit devices to EN 179

- The revisions to EN 1125 and EN 179 were published in 2008.

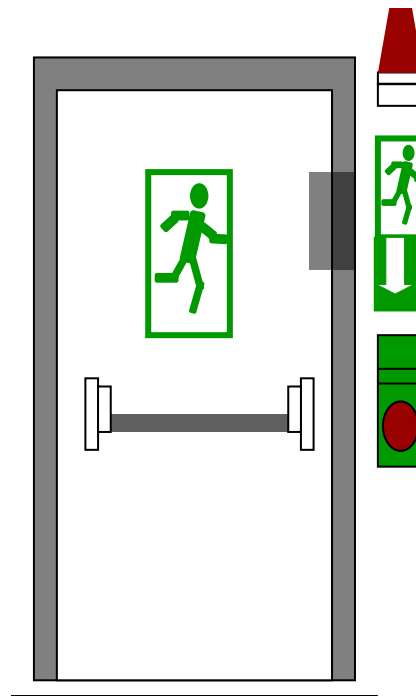


- **TG10** = PrEN 13637
- Electromechanical exit systems.

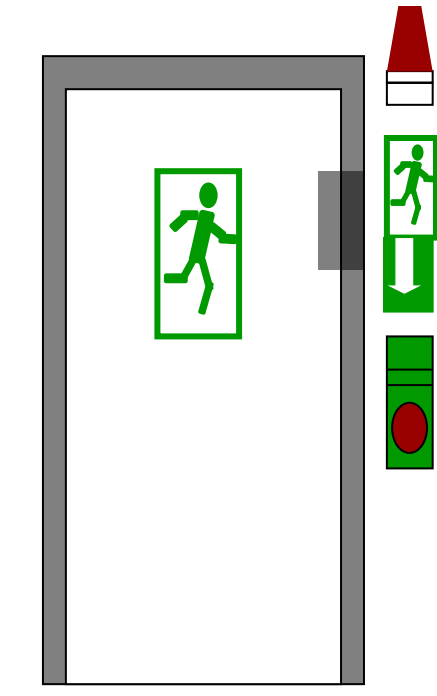
Central control unit with CCTV →



Lever handle or push pad



Cross-bar or Touch-bar



sensitive bar or push plate

- **TG11 = Hardware for sliding door gear to EN 1527**
- Published
-
- **TG13 = Hardware for windows to EN 13126- (19 parts)**
- There are 19 parts covering items such a Finger catches, tilt & turn, restrictors, rollers, espagnolettes, etc. 12 of the 19
- EN 13126 standards have been published or about to be, the other 7 are at various stages from drafting, enquiry and ready for publication.
- **TG14 = Gaskets and weather stripping to EN 12365**
- Work has recently started within this group

- **TG15 = Padlocks & fittings to EN 12320**
 - EN 12320 is currently under revision.
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- **TG17 = Fittings for use by Children, Elderly and disabled to TR EN 15894**
 - This document is not a standard it is a technical report EN as it is for guidance only, it covers operating forces and a lot of these have been taken from the main European standards and incorporated into this guidance document.

- The current issues with Harmonised standards

Issues with harmonised hardware standards under Attestation level 1

Mandate M101 and revised answer to the mandate N2021

- TG3**
 - = Mechanically operated locks to EN 12209
 - = Electro operated locks to EN 14846
 - = Multipoint locks to prEN 15685

- TG5**
 - = Single axis hinges to EN 1935

- TG6**
 - = Door closing devices to EN 1154
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 - = Door Coordinators to EN 1158
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- TG10**
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The above standards either carry or will carry an Annex ZA so as to be able to CE mark the product.

- **Addition by Stephan:**
 - **Where the music is playing:**
 - **EN 14351-1**
 - **EN 14351-2**
 - **EN 16034 “FIRE”**
 - **EN 16035 “HPS”**
 - **EN 1634-1,-2,-3 “Fire/Smoke Testing”**

- **EN 1191**
- **EN 15269 “EXAPs”**
- **EN 1627 – EN 1630**

- **And much more**

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- **The End**
- **Thank you for your time**

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