



THE EUROPEAN FEDERATION OF ASSOCIATIONS OF LOCK AND BUILDERS HARDWARE MANUFACTURERS
ARBEITSGEMEINSCHAFT DER VERBANDE DER EUROPÄISCHEN SCHLOSS - UND BESCHLAGINDUSTRIE
FEDERATION EUROPEENE DES ASSOCIATIONS DE FABRICANTS DE SERRURES ET FERRURES

6/23/04

Update on European standards

ARGE Conference, Helsinki, 11 June 2004
WG C – Standardization
Tony Collingwood, Security Products UK

Content of presentation

- European building hardware standards work
- Other European standards work - related to building hardware
- Other related standards work (ARGE, ABHM, LPCB, ODPM etc)

Major new WG4 publication

EN 12209:2003 – Mechanical locks and latches

- EN 12209 published in December 2003
- Conflicting local standards to be withdrawn (Sept 05)
- 11 classification boxes: up to 15 grades in each box
- Harmonised standard

Other new WG4 publications

TS's 13126-1 to 17 Window fittings

- 17 parts covering fittings for virtually all types of window
- Published in some Member States (but not UK)
- Much still wrong with them, hence TS's rather than EN's
- Work in hand on selected revisions
- Likely to be issued piecemeal – starting with Parts 1 & 8

EN 12365-1 to 4 Gaskets & weatherstripping

- EN 12365 published in October 2003
- 4 parts covering tests for linear compression, deflection, recovery, and ageing

Important WG4 publication due out soon

EN 1303:2004 Cylinders for locks (1st revision)

- Currently in latter stages of UAP: Main changes: -
- Key security, and physical security attributes separated (now 6 key security grades and 3 physical security grades)
- Additional key security grade for 5 pins with 30,000 differs (new key security grade is grade 4: previous grades 4 & 5 move up one to become grades 5 & 6)
- Temperature and corrosion resistance requirements now combined (option now with no temperature requirement)
- Publication estimate for EN 1303:2004 – Q4 2004

Other WG4 standards work in progress...!!!

- prEN 179 REV Emergency exit devices (h)
- prEN 1125 REV Panic exit devices (h)
- prEN 1670 REV Corrosion resistance
- prEN 1906 REV Lever handle & knob furniture (h)
- prEN 1935 REV Single axis hinges (h)
- prEN 12650 Automatic door gear (h)
- prEN 13633 Elect. controlled panic systems (h)
- prEN 13637 Elect. controlled emerg. systems (h)
- prEN 14637 Elect. powered hold open systems (h)
- prEN 14648 Hardware for shutters
- prEN 14846 Electromechanical locks (h)
- WI 33/250 Multipoint locks (h)
- WI 33/273 Hardware for the disabled
- WI 33/290 Uncontrolled door closers (h)
- WI 33/xxx “Mechatronic” cylinders for locks

(h) = candidate for harmonisation

Other WG4 standards work in progress

prEN 14846 - Electromechanical locks and latches

- Recently passed 2nd CEN Enquiry with only the UK voting “No”
- WG4 Resolution to remove “emags” and electric strikes from Scope
- Meeting to discuss Enquiry comments in July
- Formal Vote start – Feb 2005*; publication – August 2005*
- Harmonised standard

WI 33/250 – Multipoint locks and latches

- Similar to EN 12209 but clenching, anti-separation, no.of locking pts.
- Preliminary draft now virtually completed
- To be circulated to “mirror” committees for comment (very soon)
- CEN Enquiry start – June 2004*; publication – June 2006*
- Likely to be a harmonised standard

WI 33/xxx – “Mechatronic” cylinders for locks

- Covers electromechanical and electronic cylinders for locks
- Draft in preparation: completion estimate - October 2004
- CEN Enquiry start – May 2005*; publication – May 2007*

* = estimate

Other WG4 standards work in progress

prEN 1125 & 179 REV – Panic/emergency exit devices

- Reviewing comment following CEN Enquiry. Main changes: -
- Removal of upper limits on size and mass
- More fire resistance grades
- More stringent requirements for outside access devices (OAD's)
- Provision for inward opening EN 179 applications
- Formal Vote start – October 2004*; publication – April 2005*

prEN 1906 REV – Lever handle and knob furniture

- Draft for CEN Enquiry in preparation. Main changes: -
- More fire resistance grades
- Consideration of lockable handles, forcing torques etc
- Harmonisation amendments
- CEN Enquiry start – Nov 2004*; publication – Nov 2006*

prEN 1670 REV – Corrosion resistance

- Work started in April 2004, feedback invited (additional grade?)
- CEN Enquiry start – January 2005*; publication – January 2007*

* = estimate

Other WG4 standards work in progress

prEN 14637 – Electrically powered hold open systems

- Draft being prepared for Formal Vote
- Formal Vote start – June 2004*; publication – December 2004*
- Intended to be harmonised, but not in Mandate. To issue without

WI 33/290 – Uncontrolled door closers

- Draft being prepared for CEN Enquiry, but running late
- Test data required by May for June meeting of TG6
- CEN Enquiry start – December 2004*; publication – Dec 2006*
- Harmonised standard

prEN 1935 REV – Single axis hinges

- Draft being prepared for CEN Enquiry: Main changes: -
- Shear strength test taken out
- Provision for door masses of 200kg and 250kg
- CE marking (only) on product
- Wider interpretation of “families” of hinges
- CEN Enquiry start – April 2004*; publication – March 2006*

* =estimate

Other WG4 standards work in progress

prEN 13633 – Electrically-controlled panic systems

prEN 13637 – Electrically-controlled emergency systems

- Drafts being prepared for Formal Vote
- Formal Vote start – March 2005*; publication – September 2005*
- Harmonised standards

prEN 12650 – Automatic door gear

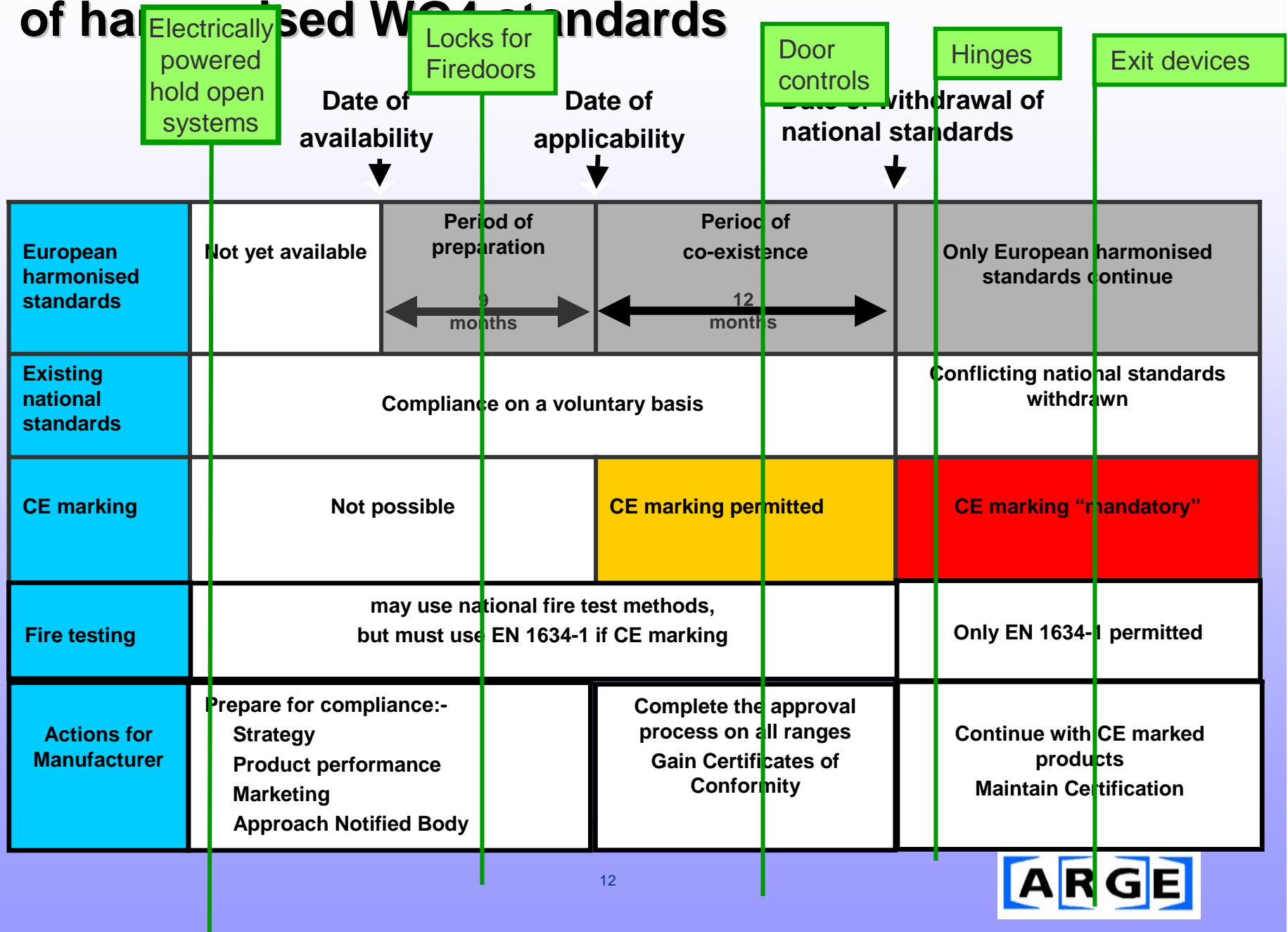
- Draft being prepared for Formal Vote
- Formal Vote start – September 2004*; publication – March 2005*
- Harmonised standard

WI 33/273 – Door fittings for use by children, elderly and disabled people in domestic and public buildings

- Preliminary draft in preparation
- Draws on experience embodied in existing national standards/regs
- Will result in guidance document with product specific annexes
- CEN Enquiry start – September 2004*; publication – Sept. 2006*

* = estimate

Timescales associated with the introduction of harmonised WC4 standards



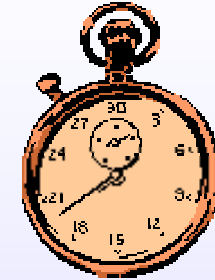
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CE marking update (WG4)

- EN 1125 Panic exit devices
- EN 179 Emergency exit devices
- EN 1935 Single axis hinges



All have finished their transition period, which means:-

COMPLIANCE WITH ESSENTIAL REQUIREMENTS OF CPD NOW MANDATORY

Whilst CE marking is not yet mandatory in some member states, it is the most practical way of demonstrating compliance

If not CE marked, products will need to have some other means of demonstrating compliance (e.g. ETA)

All conflicting national standards are effectively withdrawn



CE marking update (WG4)

- EN 1154 Controlled Door Closers
- EN 1155 EP Hold Open Devices
- EN 1158 Door Coordinators



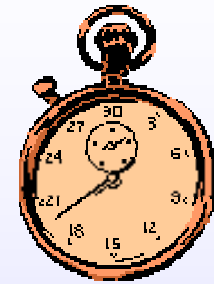
All are in their transition period, which means: -

CE marking is now possible

Compliance with the Essential Requirements of the CPD will become mandatory on 1st October 2004

CE marking demonstrates this compliance

CE marking update (WG4)



EN 12209 Mechanical locks and latches

will start its transition period on 1st September 2004, which means that for products intended for fire/smoke door use: -

CE marking will be possible from 1st September 2004

Compliance with the Essential Requirements of the CPD will become mandatory on 1st September 2005

CE marking demonstrates this compliance



Other related European standards work

- prEN's 1627 - 1630 Burglary resistance standards
- EN 1634 (3 parts) Fire resistance tests
- EN 13724:2002 Private letter boxes and letterplates
- prEN 14351/14600 Windows and pedestrian doorsets standards.
- prENV's 14383/1-4 Urban crime prevention standards

Other related European standards work

Burglary resistance standards (TC33)

prEN 1627 - Requirements and classification

prEN 1628 - Static loading

prEN 1629 - Dynamic loading

prEN 1630 - Manual burglary attempts

- Issued as ENVs in 1999
- “Unacceptable” to WG4 for having human intervention testing
- Now being developed as “full” EN’s
- Drafts for CEN Enquiry in preparation
- Input required from industry
- Publication date far from certain at this stage.

Other related European standards work

Fire resistance tests (TC127)

EN 1634-1:2000 Fire doors and shutters

- Published standard – no revisions planned

prEN 1634-2 Fire door hardware

- Issued as a Draft for Public Comment – 16th March 2004
- Deadline for national comments 30th June 2004
- Estimated publication date – December 2005

EN 1634-3:2001 Smoke control doors & shutters

- Published standard – no revisions planned

Other related European standards work

Windows and pedestrian doorsets standards

prEN 14600 Requirements and classification

- Deadline for Formal Vote has passed (result unknown)
- Much controversy (German comments not answered?) – could fail FV
- Publication estimate (assuming FV pass) – October 2004
- Cross-referred to by product standards below

prEN 14351-1 Windows & ext. doors no fire requirement

prEN 14351-2 Internal doors no fire requirement

prEN 14351-3 Windows & ext. doors with fire requirement

- Current status unclear – but all are dependant on prEN 14600
- Part 1 to FV (Jun 03) but rejected by CEN consultant – re-submitted
- Publication estimate (dependant on prEN 14600)
- Harmonised standards (will enable whole door to be CE Marked)

Other related European standards work

Urban crime prevention standards (TC 325)

prENV 14383-1 Terminology

- Work not yet started – awaiting publication of parts 2, 3 and 4

prENV 14383-2 Urban planning

- Passed Formal Vote by very small margin
- Published in UK as DD ENV 14383-2:2003 with effect from 10/2/03

prENV 14383-3 Dwellings

- CEN Enquiry believed to be imminent – FV estimate February 2005

prENV 14383-4 Shops and offices

- CEN Enquiry believed to be imminent – FV estimate February 2005

Other standards planned: warehouses, car-parks, petrol stations and schools



Other standards work

- CEA GEV3 - Burglary resistant locksets
 - Document developed by European Insurance Association
 - Destructive and Surreptitious attacks
 - Results of Round Robin Testing need to be concluded
 - Results to be studied by ARGE WGC and CEA GEV 3
 - CEA Publishing Date – Est Sept 2004

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Thank you

