



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

GENERAL SITUATION OF EUROPEAN STANDARDIZATION **UNDER THE CONSTRUCTION PRODUCTS DIRECTIVE**

2007-11-08

1 BACKGROUND

The Construction Sector is the biggest single area of work in CEN with +/- 3000 work items, both product standards and test methods. Of these about 600 standards will be harmonized under the Construction Products Directive (89/106/EEC) along with about 1500 supporting standards (test methods/Evaluation of Conformity).

2 MANDATES SITUATION

Since February 1995, CEN has received about 30 mandates (+ relevant amendments) under the CPD, covering 30 families of products and another 2 mandates covering reaction and resistance to fire, and 1 covering dangerous substances.

CEN is still awaiting the mandate M/140 on “Sealants for non-structural joints in buildings and pedestrian walkways”, the amendment to the mandate M/117 on “resistance to fire” and the amendment to the mandate M/115 on “reinforcing steel”, all agreed beginning 2007.

3 CEN/TCs WORKING UNDER THE CPD

Following the 30 mandates received under the Construction Products Directive, the following CEN and ECISS Technical Committees are presently busy drafting/amending candidate harmonized product standards and the relevant supporting standards. Besides these, CEN/TC 38 “Durability of wood and derived materials”, CEN/TC 89 “Thermal performance of buildings and building components”, CEN/TC 126 “Acoustic properties of building elements and of buildings”, CEN/TC 127 “Fire safety in buildings”, CEN/TC 351 “Construction products- assessment of release of dangerous substances” are involved with the elaboration of the relevant horizontal test methods.

MANDATE N°	PRODUCTS COVERED	TCs INVOLVED
M/100	PRECAST CONCRETE PRODUCTS	CEN/TC 229 'Precast concrete products CEN/TC 177' Prefabricated reinforced components of autoclaved aerated concrete or lightweight aggregate concrete with open structure'
M/101	DOORS, WINDOWS	CEN/TC 33 "Doors, windows, shutters and building hardware'
M/102	MEMBRANES	CEN/TC 254 'Flexible sheets for waterproofing"
M/103	THERMAL INSULATION PRODUCTS	CEN/TC 88 'Thermal insulating materials and products'
M/104	STRUCTURAL BEARINGS	CEN/TC 167 'Structural bearings'
M/105	CHIMNEYS	CEN/TC 62 'Independent gas-fired space heaters' CEN/TC 180 'Domestic and non-domestic gas-fired air heaters and non-domestic gas-fired overhead radiant heaters' CEN/TC 166 'Chimneys, flues and specific

MANDATE N°	PRODUCTS COVERED	TCs INVOLVED
		products' CEN/TC 297 'Free-standing industrial chimneys'
M/106	GYPSUM PRODUCTS	CEN/TC 241 'Gypsum and gypsum based products'
M/107	GEOTEXTILES	CEN/TC 189 'Geotextiles and geotextile-related products'
M/108	CURTAIN WALLING	CEN/TC 33 "Doors, windows, shutters and building hardware"
M/109	FIXEX FIRE-FIGHTING EQUIPMENT	CEN/TC 72 'Automatic fire detection systems' CEN/TC 191' Fixed firefighting systems' CEN/TC 192 'Fire service equipment'
M/110	SANITARY APPLIANCES	CEN/TC 163 'Sanitary appliances'
M/111	CIRCULATION FIXTURES	CEN/TC 50 'Lighting columns and spigots' CEN/TC 226 'Road equipment'

MANDATE N°	PRODUCTS COVERED	TCs INVOLVED
M/112	STRUCTURAL TIMBER PRODUCTS AND ANCILLARIES	CEN/TC 124 'Timber structures'
M/113	WOOD-BASED PANELS	CEN/TC 112 'Wood-based panels'
M/114	CEMENT	CEN/TC 51 'Cement and building limes'
M/115	REINFORCING STEEL	ECISS/TC 19 'Concrete reinforcing steel- Qualities, ,dimensions and tolerances'
M/116	MASONRY	CEN/TC 125 'Masonry'
M/118	WASTE WATER ENGINEERING	CEN/TC 155 'Plastic piping systems and ducting systems' CEN/TC 165 'Waste water engineering'
M/119	FLOORINGS	CEN/TC 67 'Ceramic tiles' CEN/TC 129 'Glass in buildings' CEN/TC 134 'Resilient and textiles floor coverings' CEN/TC 175 'Round and sawn timber' CEN/TC 178 'Paving units and curbs' CEN/TC 217 'Surfaces for sports areas'

MANDATE N°	PRODUCTS COVERED	TCs INVOLVED
		CEN/TC 229 'Precast concrete products' CEN/TC 246 'Natural stones'
M/120	STRUCTURAL METALLIC PRODUCTS	CEN/TC 121 'Welding' CEN/TC 132 'Alluminium and alluminium alloys' CEN/TC 133 'Copper and copper alloys' CEN/TC 135 'Execution of steel structures and alluminium structures' CEN/TC 185 'Threaded and non-threaded mechanical fasteners and accessories' ECISS/TC 10 'Structural steels – Qualities' ECISS/TC 13 'Flat products for cold working-qualities, dimensions, tolerances and specific tests' ECISS/TC 19 'Concrete reinforcing steel – Qualities, dimensions and tolerances' ECISS/TC 23 'Steels for heat treatment, alloy steels and free-cutting steels-qualities' ECISS/TC 29 'Steel tubes and fittings for steel tubes' ECISS/TC 31 'Steel castings'
M/121	WALL AND CEILING FINISHES	CEN/TC 67 'Ceramic tiles' CEN/TC 99 'Wallcoverings' CEN/TC 128 'Roof covering products for discontinuous laying and products for wall cladding' CEN/TC 175 'Round and sawn timber'

MANDATE N°	PRODUCTS COVERED	TCs INVOLVED
		CEN/TC 246 'Natural stones' CEN/TC 249 'Plastics' CEN/TC 277 'Suspended ceilings' BT/TF/119 'Stretched ceilings'
M/122	ROOF COVERINGS	CEN/TC 128 'Roof covering products for discontinuous laying and products for wall cladding'
M/124	ROAD CONSTRUCTION PRODUCTS	CEN/TC 127 'Road materials' CEN/TC 336 'Bituminous binders'
M/125	AGGREGATES	CEN/TC 154 'Aggregates'
M/126	AMENDMENTS TO M/100, M/101, M/102, M/103	
M/127	ADHESIVES	CEN/TC 67 'Ceramic tiles' CEN/TC 193 'Adhesives'
M/128	CONCRETE MORTAR AND GROUT	CEN/TC 104 'Concrete' CEN/TC 298 'Pigments and extenders'

MANDATE N°	PRODUCTS COVERED	TCs INVOLVED
M/129	SPACE HEATING APPLIANCES	CEN/TC 46 'Oil stoves' CEN/C 130 'Space heating appliances without integral heat sources' CEN/TC 295 'Residential solid fuel burning appliances'
M/130	AMENDMENTS TO M/100, M/101, M/102, M/105, M/106, M/109	
M/131	PIPES, TANKS NOT IN CONTACT WITH DRINKING WATER	CEN/TC 69 'Industrial valves' CEN/TC 92 'Water meters' CEN/TC 155 'Plastic piping systems and ducting systems' CEN/TC 164 'Water supply' CEN/TC 193 'Adhesives' CEN/TC 203 'Cast iron pipes, fittings and their joints' CEN/TC 208 'Elastomeric seals for joints in pipework and pipelines' CEN/TC 221 'Shop fabricated metallic tanks and equipment for storage and for service stations' CEN/TC 235 'Gas pressure regulators and associated safety shut-off devices for use in gas transmission and distribution' CEN/TC 236 'Non-industrial manually operated shut-off valves for gas and particular combinations valves and other products'

MANDATE N°	PRODUCTS COVERED	TCs INVOLVED
		CEN/TC 266 'Thermoplastic static tanks'
M/132	AMENDMENT TO M/104, M/111, M/109	CEN/TC 241 "Gypsum products" CEN/TC 340 'Anti-seismic devices'
M/135	GLASS	CEN/TC 129 'Glass in buildings'
M/136	CONSTRUCTION PRODUCTS IN CONTACT WITH DRINKING WATER	CEN/TC 69 'Industrial valves' CEN/TC 92 'Water meters' CEN/TC 155 'Plastic piping systems and ducting systems' CEN/TC 164 'Water supply' CEN/TC 193 "Adhesives" CEN/TC 203 'Cast iron pipes, fittings and their joints' CEN/TC 235 'Gas pressure regulators and associated safety shut-off devices for use in gas transmission and distribution' CEN/TC 236 'Non-industrial manually operated shut-off valves for gas and particular combinations valves and other products' CEN/TC 266 'Thermoplastic static tanks'
M/138	AMENDMENT TO M/103	CEN/TC 88 "Thermal insulating materials and products"

MANDATE N°	PRODUCTS COVERED	TCs INVOLVED
M/139	AMENDMENTS TO M/100, M/106, M/109, M/110, M/125	
M/367	ADDENDUM TO M/103	CEN/TC 88 "Thermal insulating materials and products"
M/368	AMENDMENT TO M/110	CEN/TC 163 'Sanitary appliances'
M/369	AMENDMENT TO M/129	CEN/TC 312 "Thermal solar systems and components"
M/386	AMENDMENT TO M/107	CEN/TC 189 'Geotextiles and geotextile-related products'
M/387	AMENDMENT TO M/124	CEN/TC 227 'Road materials'

OTHER MANDATES (For test methods)

MANDATE	TEST METHODS	TCs INVOLVED
M/88	Reaction to fire test methods	127 'Fire safety in buildings'

M/117	Resistance to fire	127 'Fire safety in buildings'
M/123	Amendment to M/88	127 'Fire safety in buildings'
M/133	Amendment to M/88	127 'Fire safety in buildings'
M/134	Amendment to M/117	127 'Fire safety in buildings'
M/137	Amendment to AoC fire	127 'Fire safety in buildings'
M/385	Amendment to M/88	127 'Fire safety in buildings'
M/366	Development of horizontal standardized assessment methods for harmonized approaches relating to dangerous substances under the CPD	351 'Construction products -Assessment of release of dangerous substances

4 HARMONIZED PRODUCT STANDARDS:

GENERAL PROGRESS

	SITUATION	
	2007 APRIL (SCC)	2007 DEC (SCC)
Total number of drafts having reached CMC for Formal Vote/UAP	370	387
Total number of standards approved	328	357
ENs made available to CEN Members	319	352
ENs cited in OJEU	304	304
Drafts having completed FV/UAP (awaiting voting reports)	4	1
Drafts having failed FV/UAP	-	6
Drafts undergoing FV/UAP	8	9
Drafts in CMC for FV/UAP	30	14
Drafts having passed the CEN Enquiry stage and progressing at the level of CEN/TCs for Formal Vote	53	46
Drafts undergoing CEN Enquiry	3	11
Drafts in CMC for CEN Enquiry	9	4
Drafts under preparation at TC level for CEN Enquiry	36	23

The figures shown in the table (Situation 2007-11-09) do not cover the amendments and the corrigenda to the harmonized European product standards shown in the table.

CEN has finalized so far 353 standards out of a current total of +/- 471 candidate harmonized product standards, of which 304 have been cited in the OJEU. Unfortunately, there has been a delay in the citations of the titles, the last citation being that of 2006-12-13.

Today, CEN has made available candidate harmonized product standards covering products from the major construction product families. The table below gives the list of products covered by candidate/harmonized product standards having been voted positively.

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
M/100	PRECAST CONCRETE PRODUCTS	Elements for fences (EN 12839); Prefabricated reinforced components of lightweight aggregate concrete (EN 1520); Special roof elements (EN 13693); Hollow core slabs (EN 1168); Precast concrete garages (EN 13978-1); Floor plates for floor systems (EN 13747); Linear structural elements (EN 13225); Ribbed floor elements (EN 13224); Foundation piles (EN 12794); Masts and poles (EN 12843); Precast concrete products - Box culverts (EN 14844); Precast concrete products - Foundation elements (EN 14991); Precast concrete products - Wall elements (EN 14992)	Prefabricated reinforced components of autoclaved aerated concrete (prEN 12602); Beam-and-block floor systems - Part 2: Concrete blocks (prEN 15037-2); Beam-and-block floor systems - Part 3: Clay blocks (prEN 15037-3); Beam-and-block floor systems - Part 4: Polystyrene blocks (prEN 15037-4); Beam-and-block floor systems - Part 5: Lightweight blocks (prEN 15037-5);

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		Precast concrete products - Bridge elements (EN 15050); Precast concrete products – Stairs (EN 14843); Floor slats for livestock (EN 12737); Beam-and-block floor systems - Part 1: Beams (EN 15037-1);	Retaining wall elements (prEN 15258); Normal weight and lightweight concrete shuttering blocks - Product properties and performance (prEN 15435); Wood-chip concrete shuttering blocks - Product properties and performance (prEN 15498)
M/101	DOORS, WINDOWS AND RELATED PRODUCTS	Building hardware (EN 179); Panic exit devices (EN 1125); Controlled door closing devices (EN 1154); Electrically powered hold-open devices (EN 1155); Door coordinator devices (EN 1158); Industrial, commercial and garage doors and gates (EN 13241-1); External blinds (EN 13561); shutters (EN 13659); Single-axis hinges (EN 1935); Locks and latches (EN 12209) Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets without resistance to fire and/or smoke leakage characteristics (EN 14351-1)	Multipoint locks and their locking plates (prEN 15685); Single swing spring hinge closing devices (WI 00033327); Electrically controlled panic exit systems for use on escape routes (prEN 13633); Electrically controlled emergency exit systems for use on escape (prEN 13637); Lever handles and knob furniture (prEN 1906); Internal pedestrian doors - Part 2: Internal pedestrian doorsets without resistance to fire characteristics (prEN 14351-2); Windows and doors - Part 3:

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
			<p>Windows and pedestrian doorsets with resistance to fire and/or smoke leakage characteristics (prEN 14351-3); Industrial, commercial and garage doors and gates - Product Standard - Part 2:Products with fire resistance or smoke control characteristics (prEN 13241-2); Building hardware - Locks and latches - Electromechanically operated locks and striking plates - Requirements and test methods (prEN 14846)</p>
M/102	MEMBRANES	<p>Reinforced bitumen sheets for roof waterproofing (EN 13707); Flexible sheets for waterproofing- Plastic and rubber vapour control layers (EN 13984);</p> <p>Bitumen water vapour control layers (EN 13970); Bitumen damp proof sheets including bitumen basement tanking sheets (EN 13969); Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheets (EN 13967); Underlays for walls (EN 13859-2);</p>	Completed

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		<p>Underlays for discontinuous roofing (EN 13859-1); Plastic and rubber sheets for roof waterproofing (EN 13956) Flexible sheets for waterproofing - Plastic and rubber damp proof courses - Definitions and characteristics (EN 14909) Flexible sheets for waterproofing - Bitumen damp proof courses - Definitions and characteristics (EN 14967)</p>	
M/103	THERMAL INSULATION PRODUCTS	<p>Factory made mineral wool (EN 13162); Factory made products of expanded polystyrene (EPS) (EN 13163); Factory made products of extruded polystyrene foam (XPS) (EN 13164); Factory made rigid polyurethane foam (PUR) products (EN 13165); Factory made products of phenolic foam (PF) (EN 13166); Factory made cellular glass (CG) products (EN 13167); Factory made wood wool (WW) products (EN 13168); Factory made products of expanded perlite (EPB) (EN 13169); Factory made products of expanded cork (ICB) (EN 13170); Factory made wood fibre (WF) products (EN 13171);</p>	<p>Specification for the loose-fill products before installation (prEN 14064-1); Factory made mineral wool (MW) products (prEN 14303); Factory made flexible elastomeric foam (FEF) products (prEN 14304); Factory made cellular glass (CG) products (prEN 14305); Factory made calcium silicate (CS) products (prEN 14306); Factory made extruded polystyrene foam (XPS) products (prEN 14307); Factory made rigid polyurethane foam (PUR) and</p>

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		<p>In-situ formed expanded clay lightweight aggregate products (LWA) (EN 14063-1); In-situ thermal insulation formed from expanded perlite (EP) products (EN 14316-1); In-situ thermal insulation formed from exfoliated vermiculite (EV) products (EN 14317-1); Factory made products of expanded polystyrene (EPS) (EN 14933); Factory made products of extruded polystyrene foam (XPS) (EN 14934);</p>	<p>polyisocyanurate foam (PIR) products (prEN 14308); Factory made products of expanded polystyrene (EPS) (prEN 14309); Factory made polyethylene foam (PEF) products (prEN 14313); Specification for the rigid foam spray system before installation (prEN 14315-1); Specification for the rigid foam dispensed system before installation (prEN 14318-1); Specification for the rigid foam dispensed system before installation (prEN 14319-1); Specification for the rigid foam spray system before installation (prEN 14320-1); Specification for the foam system before installation (prEN 15100-1); Specification for the products before installation (prEN 15101-1); Expanded clay lightweight aggregate products (prEN 15732);</p>

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
			<p>Thermal insulation products for building equipment and industrial installations - In-situ thermal insulation formed from exfoliated vermiculate (EV) products - Part 1: Specification for bonded and loose-fill products before installation (prEN 15600-1);</p> <p>Thermal insulation products for building equipment and industrial installations - In-situ thermal insulation formed from expanded perlite (EP) products - Part 1: Specification for bonded and loose-fill products before installation (prEN 15599-1);</p> <p>Urea formaldehyde (building equipment and industrial applications) - Part 1: Specification for the cellulose before installation (WI 00088197)</p>
M/104	STRUCTURAL BEARINGS	Spherical and cylindrical PTFE bearings (EN 1337-7); Roller bearings (EN 1337-4); Rocker bearings (EN 1337-6); Elastomeric bearings (EN 1337-3); Pot bearings (EN 1337-5);	Complete

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		Structural bearings - Part 8: Guide Bearings and Restraint Bearings (EN 1337-8)	
M/105	CHIMNEYS, FLUES AND SPECIFIC PRODUCTS	<p>Chimneys components-Concrete outer wall elements (EN 12446); Clay/ceramic flue terminals (EN 13502); Clay/ceramic flue liners (EN 1457); Metal chimneys (EN 1856-1; EN 1856-2); Concrete flue liners (EN 1857); Concrete flue blocks (EN 1858); System chimneys with clay/ceramic flue liners (EN 13063-1; EN 13063-2); Clay/ceramic outer walls for system chimneys (EN 13069); Free-standing chimneys-Material for brick liners (EN 13084-5); System chimneys with plastic flue liners (EN 14471) Free-standing chimneys - Cylindrical steel fabrications for use in single wall steel chimneys and steel liners (EN 13084-7:2005). Chimneys - Clay/ceramic flue blocks for single wall chimneys - Requirements and test methods (EN 1806:2006) Vertical air/flue terminals for C6-type appliances (EN 14989-1); Requirements and test methods for air flue system chimneys (EN 13063-3);</p>	<p>Non-domestic gas-fired forced convection air heaters for space heating (prEN 1020 rev); Domestic gas-fired forced convection air heaters for space heating (prEN 1319 rev); Flue and air supply ducts for individual room sealed appliances (prEN 14989-2); Single burner gas-fired overhead radiant-tube heaters - Part 1: Safety (prEN 416-1); Non-domestic direct gas-fired forced convection air heaters (prEN 525); Non-domestic gas-fired forced convection air heaters (prEN 621); Multi-burner gas-fired overhead radiant tube heater - Part 1: System D, safety (prEN 777-1); System E, safety (prEN 777-2); System F, safety (prEN 777-3); System H, safety (prEN 777-4);</p>

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
			Domestic gas-fired forced convection air heaters (prEN 778);
M/106	GYPSUM PRODUCTS	<p>Gypsum blocks (EN 12859); Gypsum based adhesives for gypsum blocks (EN 12860); Metal framing components for gypsum plasterboard systems (EN 14195); Preformed plasterboard cornices (EN 14209); Gypsum based adhesives for thermal/acoustic insulation composite panels and plasterboards (EN 14496); Gypsum plasterboard thermal/acoustic insulation composite panels (EN 13950) Gypsum plasterboards (EN 520); Jointing materials for gypsum plasterboards (EN13963); Gypsum plasterboard products for reprocessing (EN 14190); Gypsum binders and gypsum plasters (EN 13279-1); Metal lath and beads- Internal plastering (EN 13658-1)-External plastering (EN 13658-2) Fibrous gypsum plaster casts - Definitions, requirements and test methods (EN 13815) Gypsum elements for suspended ceilings - Definitions, requirements and test methods (EN 14246);</p>	<p>Gypsum boards with mat reinforcement (prEN 15283-1) Gypsum boards with fibrous reinforcement - Part 2: Gypsum fibre boards (prEN 15283-2)</p>

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		<p>Prefabricated gypsum plasterboard panels with a cellular paperboard core (EN 13915); Metal beads and feature profiles for use with gypsum plasterboards (EN 14353); Mechanical fasteners for gypsum plasterboard systems - (EN 14566);</p>	
M/107	GEO-TEXTILES	<p>Geo-textiles and geo-textile-related products for use in the construction of roads and other trafficked areas (excluding railways and asphalt inclusion (EN 13249); For use in the construction of railways (EN 13250); For use in earthworks, foundations and retaining structures (EN 13251); For use in drainage systems (EN 13252); For use in the construction of reservoirs and dams (EN 13254); For use in the construction of canals (EN 13255); For use in the construction of tunnels and underground structures (EN 13256); For use in solid waste disposals (EN 13257); For use in erosion control works (EN 13253); Characteristics required for use in liquid waste containment projects (EN 13265); Geo-synthetic barriers (EN 13361; EN 13362; EN 13491; EN 13492; EN 13493)</p>	<p>Requirements for use in pavements and asphalt overlays (prEN 15381); Geosynthetic barriers - Characteristics required for use in transportation infrastructure (prEN 15382);</p>

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
M/108	CURTAIN WALLING	Curtain walling (EN 13830)**	Completed
M/109	FIRE ALARM/DETECTION, FIXED FIRE-FIGHTING, FIRE AND SMOKE CONTROL AND EXPLOSION SUPPRESSION PRODUCTS	Fixed fire-fighting systems-components for gas extinguishing systems (EN 12094-1; EN 12094-2; EN 12094-3; EN 12094-4; EN 12094-5; EN 12094-6; EN 12094-7; EN 12094-9; EN 12094-10; EN 12094-11; EN 12094-12; EN 12094-13); Smoke and heat control systems (EN 12101-1; EN 12101-2; EN 12101-3; EN 12101-6; EN 12101-10); Powder systems (EN 12416-1; EN 12416-2); Hose systems (EN 671-1; EN 671-2); Components for sprinklers (EN 12259-1; EN 12259-2; EN 12259-3; EN 12259-4; EN 12259-5); Automatic sprinkler systems; foam systems (EN 13565-1); Fire alarm devices (EN 54-3); Powder supply equipment (EN 54-4); Heat detectors (EN 54-5); Smoke detectors (EN 54-7; EN 54-12); Flame detectors-Point detectors (EN 54-10); Fire detection and fire alarm systems-Manual call points (EN 54-11); Fire detection and fire alarm systems -Short-circuit isolators (EN 54-17); Fire detection and fire alarm systems-Input/output devices (EN 54-18);	Components for gas extinguishing (prEN 12094-20) Smoke control ducts (prEN 12101-7); Specification for smoke control dampers (prEN 12101-8); Control panels (prEN 12101-9) Components for sprinkler and water spray systems - Part 12: Pumps (prEN 12259-12) Pressure switches(prEN12259-8) Deluge valve assemblies (prEN 12259-9) Point detectors using a combination of detected fire phenomena (prEN 54-15) Voice alarm control and indicating equipment (prEN 54-16); Line type heat detectors (prEN 54-22); Visual alarms (prEN 54-23); Loud speakers (prEN 54-24); Components using radio links

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		Underground fire hydrants (EN 14339); Pillar fire hydrants (EN 14384); Smoke alarm devices (EN 14604); Fire detection and fire alarm systems - Part 20: Aspirating smoke detectors (EN 54-20); Fire detection and fire alarm systems - Part 21: Alarm transmission and fault warning routing equipment (EN 54-21); Fixed firefighting systems - Components for gas extinguishing systems - Part 8: Requirements and test methods for connectors (EN 12094-8); Fire detection and fire alarm systems - Part 2: Control and indicating equipment (EN 54-2);	and system requirements (prEN 54-25);
M/110	SANITARY APPLIANCES	Kitchen sinks (EN 13310); WC pans and WC suites with integral trap (EN 997); Shower enclosures (EN 14428); Whirlpool baths (EN 12764); Bidets (EN 14528); Communal washing troughs (EN 14296) Wall-hung urinals - Functional requirements and test methods (EN 13407) Wash basins - Functional requirements and test methods (EN 14688)	WC pans and urinals flushing cisterns (prEN 14055); Shower tray for domestic purposes (prEN 14527); Baths for domestic purposes (prEN 14516);
M/111	CIRCULATION	Anti-glare systems for roads (EN 12676-1);	

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
	FIXTURES	<p>Drop on materials for road markings (EN 1423); Lighting columns in steel (EN 40-5:2002), aluminium (EN 40-6:2002), fibre reinforced polymer (EN 40-7:2002); reinforced and pre-stressed concrete (EN 40-4:2005) Retro-reflecting road studs (EN 1463-1); Variable message traffic signs (EN 12966-1); Traffic control equipment - Warning and safety light devices (EN 12352) Traffic control equipment - Signal heads (EN 12368) Road traffic noise reducing devices (EN 14388) Road restraint systems - Part 5: Product requirements and evaluation of conformity for vehicle restraint systems (EN 1317-5); Fixed, vertical road traffic signs - Part 1: Fixed signs (EN12899-1); Trans-illuminated traffic bollards (TTB) (EN 12899-2); Delineator posts and retro-reflectors (EN 12899-3);</p>	<p>Road marking materials - Physical properties (prEN 1871); Preformed road markings (prEN 1790); Road restraint systems - Part 6 : Pedestrian road restraint system (prEN 1317-6)</p>
M/112	STRUCTURAL TIMBER PRODUCTS AND ANCILLARIES	<p>Prefabricated structural members assembled with punched metal plate fasteners (EN 14250); Structural laminated veneer lumber (EN 14374); Glued laminated timber (EN 14080) Strength graded structural timber with rectangular</p>	<p>Wood poles for overhead lines – Requirements (prEN 14229); Structural timber with round cross-section (prEN 14544); Prefabricated wall, floor and roof</p>

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		cross section (EN 14081-1)	elements (prEN 14732); Finger jointed structural timber (prEN 15497); Dowel-type fasteners (prEN 14592); Connectors (prEN 14545);
M/113	WOOD-BASED PANELS	Wood-based panels for use in construction (EN 13986**)	Completed
M/114	CEMENT, BUILDING LIMES AND OTHER HYDRAULIC BINDERS	Common cements (EN 197-1); Building lime (EN 459-1); Very low heat special cements (EN 14216); Low early strength blast furnace cements (EN 197-4); Masonry cement (EN 413-1); Calcium aluminate cement (EN 14647)	Hydraulic road binders - Composition, specifications and conformity criteria of normal hardening hydraulic road binders (prEN 13282-2); Hydraulic binder for non-structural applications: definition, specifications and conformity criteria (prEN 15368);
M/115	REINFORCING AND PRESTRESSING STEEL (FOR CONCRETE)	Steel strip sheaths for prestressing tendons (EN 523);	Corrosion resistant reinforcing steels (WI EC019025); Prestressing steels - Part 1: General requirements (prEN 10138-1);

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
			<p>Zinc and zinc alloy coated prestressing steel wires and strands (prEN 10337); Galvanized reinforcing steel (prEN 10348);</p> <p>Steel for the reinforcement of concrete - Weldable reinforcing steel – General (prEN 10080);</p>
M/116	MASONRY AND RELATED PRODUCTS	<p>Clay units (EN 771-1); Calcium silicate units (EN 771-2); Aggregate concrete(EN 771-3); Autoclave aerated concrete (EN 771-4); Manufactured stone masonry units (EN 771-5) Natural stone masonry units (EN 771-6) Ties, tension straps, hangers and brackets (EN 845-1); Lintels (EN 845-2); Bed joint reinforcement (EN 845-3); Rendering and plastering mortar (EN 998-1); Masonry mortar (EN 998-2);</p>	Specifications for Mortar for Masonry - Part 3: Products for external rendering and internal plastering based on organic binders (prEN 998-3)
M/118	WASTE WATER ENGINEERING PRODUCTS	<p>Wastewater lifting plants for buildings and sites (EN 12050-1; EN 12050-2; EN 12050-3; EN 12050-4); Anti-flooding devices for buildings (EN 13564-1);</p>	Gully tops and manhole tops for vehicular and pedestrian areas (prEN 124);

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		<p>Drainage channels for vehicular and pedestrian areas (EN 1433); Concrete manholes and inspection chambers (EN 1917); Fibre cement manholes and inspection chambers (EN 588-2); Small wastewater treatment systems (EN 12566-1; EN 12566-3); Fixed ladders for manholes (EN 14396); Grease separators (EN 1825-1); Vitrified clay pipes and fittings (EN 295-10); Separator systems for light liquids (EN 858-1); Air admittance valves for drainage systems (EN 12380); Steps for underground man entry chambers (EN 13101); Septic tanks assembled in situ from prefabricated kits (EN 12566-4);</p>	<p>Prefabricated treatment units for septic tank effluent (prEN 12566-6); Prefabricated tertiary treatment units (prEN 12566-7); Manholes and inspection chambers (prEN 14636-2); Vitrified clay pipes and fittings and pipe joints for drains and sewers (prEN 295-1 rev); Requirements for special fittings, adaptors and compatible accessories (prEN 295-4); Requirements for perforated vitrified clay pipes and fittings (prEN 295-5); Requirements for vitrified clay manholes (prEN 295-6); Requirements for vitrified clay pipes and joints for pipe jacking (prEN 295-7);</p> <p>Plastics piping systems for renovation of underground water supply networks - Part 3: Lining with close fit-pipes (prEN 14409-3); Plastics piping systems for</p>

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
			<p>drainage and sewerage - Glass-reinforced thermosetting plastics (GRP) based on polyester resin (UP) - Manholes and inspection chambers (prEN 15383);</p> <p>Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 2: Lining with continuous pipes (prEN 13566-2);</p> <p>Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 3: Lining with close-fit pipes (prEN 13566-3);</p> <p>Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 7: Lining with spirally-wound pipes (prEN 13566-7);</p> <p>Plastics piping systems - Piping systems for non-pressure underground drainage and sewerage - Performance requirements for thermoplastics manholes and inspection</p>

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
			chambers (prEN 15229); Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes (prEN 13566-4);
M/119	FLOORINGS	Concrete paving blocks (EN 1338); Flags (EN 1339); Kerb units (EN 1340); Slabs of natural stone (EN 1341); Kerbs of natural stone (EN 1343); Setts of natural stone for external paving (EN 1342); Clay pavers (EN 1344); Screed material (EN 13813); Natural stone modular tiles (EN 12057); Natural stone slabs for floors and stairs (EN 12058); Terrazzo tiles for internal and external use (EN 13748-1; EN 13748-2) ; Binders for magnesite screeds (EN 14016-1); Resilient textile and laminate floor coverings (EN 14041); Ceramic tiles (EN 14411); Wood flooring (EN 14342); Surfaces for sports areas - Indoor surfaces for multi-	Agglomerated stone - Modular tiles for flooring (internal and external) (prEN 15285) Slabs and cut to size products for floor and stairs (WI 00246073)

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		sports use – Specification (EN 14904); Glass blocks and glass pavers (EN 1051-2);	
M/120	STRUCTURAL METALLIC PRODUCTS AND ANCILLARIES	Hot rolled products of structural steels (EN 10025-1); Welding consumables – Filler metals for fluxes for fusion welding (EN 13479); High strength structural bolting assemblies for preloading (EN 14399-1) Aluminium and aluminium alloys - Structural products for construction works (EN 15088) Cold formed welded structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions (EN 10219-1) Hot finished structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions (EN 10210-1) Non-preloaded structural bolting assemblies - Part 1: General requirements (EN 15048-1); Steel castings for structural uses (EN 10340); High-strength structural bolting assemblies for preloading (EN 14399-7); System HV - Hexagon fit bolt and nut assemblies (EN 14399-8);	Stainless steels - sheet/plate and strip of corrosion resisting steels for construction purposes (prEN 10088-4); Stainless steels - bars, rods, wire, sections and bright products of corrosion resisting (prEN 10088-5); Hot-rolled steel sheet piling (prEN 10248-1); Cold formed steel sheet piling (prEN 10249-1); Steels for quenching and tempering (prEN 10343); Steel and aluminium structural components (prEN 1090-1);

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
M/121	INTERNAL AND EXTERNAL WALL AND CEILING FINISHES	Suspended ceilings (EN 13964); Natural stone slabs for cladding (EN 1469); High-pressure decorative laminates (EN 438-7); Stretched ceilings (EN 14716); Slate and stone products (EN 12326-1); Fully supported metal sheet and strip for roofing, external cladding and internal lining - Product specification and requirements (EN 14783); Solid wood panelling and cladding - Characteristics, evaluation of conformity and marking (EN 14915); Decorative wall-coverings - Roll and panel form (EN 15102);	Plastics - Profiles for internal and external wall and ceiling finishes (prEN 13245-2); Agglomerated stone - Slabs and tiles for wall finishes (internal and external) (prEN 15286);
M/122	ROOF COVERINGS, ROOF LIGHTS, ROOF WINDOWS AND ANCILLARY PRODUCTS	Fibre-cement flat sheets (EN 12467); Fibre-cement slates and fittings (EN 492); Permanently fixed roof ladders (EN 12951); Fibre-cement profiled sheets and fittings (EN 494); Clay roofing tiles and fittings (EN 1304); Concrete roofing tiles and fittings (EN 490); Individual roof lights of plastics (EN 1873) Bitumen shingles with mineral and/or synthetic (EN 544) Prefabricated accessories for roofing-walkways, treads and steps (EN 516) Prefabricated accessories for roofing- Roof safety hooks (EN 517)	Light transmitting single skin profiled plastics sheeting for internal and external roofing, wall cladding and ceiling finishes - Part 1: General requirements and test methods (prEN 1013-1);

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		<p>Self-supporting metal sheet for roofing, external cladding and internal lining (EN 14782)</p> <p>Rigid underlays for discontinuous roofing - Definitions and characteristics (EN 14964):</p> <p>Self-supporting double skin metal faced insulating panels - Factory made products – Specifications (EN 14509)</p> <p>Corrugated bitumen sheets - Product specification and test methods (EN 534)</p> <p>Roof coverings - Continuous rooflights of plastics with or without upstands - Classification, requirements and test methods (EN 14963)</p>	
M/124	ROAD CONSTRUCTION PRODUCTS	<p>Joint fillers and sealants (EN 14188-1;EN 14188-2; EN 14188-3);</p> <p>Bitumen and bituminous binders (EN 13808*);</p> <p>Dowels for use in concrete pavements (EN 13877-3)</p> <p>Bituminous mixtures- Asphalt concrete (EN 13108-1)</p> <p>Bituminous mixtures-Asphalt concrete for very thin layers (EN 13108-2)</p> <p>Bituminous mixtures-Soft asphalt (EN 13108-3)</p> <p>Bituminous mixtures-Hot rolled asphalt (EN 13108-4)</p> <p>Bituminous mixtures- Stone mastic asphalt (EN 13108-5)</p> <p>Bituminous mixtures-Mastic asphalt (EN 13108-6)</p> <p>Bituminous mixtures-Porous asphalt (EN 13108-7)</p> <p>Bitumen and bituminous binders - Framework</p>	<p>Slurry surfacing – Specifications (prEN 12273)</p> <p>Bitumen and bituminous binders - Specifications for paving grade bitumens (prEN 12591);</p> <p>Flexible sheets for waterproofing - Reinforced bitumen sheets for waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles (prEN 14695);</p> <p>Bitumen and bituminous binders - Framework for specifying cut-back and fluxed bituminous</p>

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		specification for polymer modified bitumens (EN 14023) Bitumen and bituminous binders - Specifications for hard paving grade bitumens (EN 13924): Awaiting the finalization of package for citation in OJEU. Surface dressing – Requirements (EN 12271)	binders (prEN 15322);
M/125	AGGREGATES	Aggregates for concrete (EN 12620); Bituminous mixtures (EN 13043); Mortar (EN 13139); Lightweight aggregates (EN 13055-1; EN 13055-2), Unbound and hydraulically bound materials (EN 13242); For railway ballast (EN 13450); Armourstone (EN 13383-1);	Completed
M/127	CONSTRUCTION ADHESIVES	Adhesives for tiles (EN 12004); General purpose adhesives for structural assembly - Requirements and test methods (EN 15274); Structural adhesives. Characterisation of anaerobic adhesives for co-axial metallic assembly in building and civil engineering structures (EN 15275);	
M/128	PRODUCTS	Admixtures for concrete, mortar and grout (EN 934-2);	

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
	RELATED TO CONCRETE, MORTAR AND GROUT	Admixtures for grout for prestressing tendons (EN 934-4); Admixtures for masonry mortar (EN 934-3); Surface protection systems for concrete (EN 1504-2); Structural bonding (EN 1504-4); Concrete injection (EN 1504-5); Fly ash for concrete (EN 450-1); Pigments for the colouring of building materials based on cement and/or lime (EN 12878); Silica fume for concrete (EN 13263-1); Protection and repair of concrete structures - Structural and non-structural repair (EN 1504-3); Admixtures for sprayed concrete (EN 934-5); Products and systems for the protection and repair of concrete structures - Part 6: Anchoring of reinforcing steel bar (EN 1504-6); Products and systems for the protection and repair of concrete structures - Part 7: Reinforcement corrosion protection (EN 1504-7); Fibres for concrete - Part 1: Steel fibres - Definitions, specifications and conformity (EN 14889-1); Fibres for concrete - Part 2: Polymer fibres - Definitions, specifications and conformity (EN 14889-2); Ground granulated blast furnace slag for use in concrete, mortar and grout - Part 1: Definitions, specifications and conformity criteria (EN 15167-1); Fly ash for concrete - Part 1: Definition, specifications	

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		and conformity criteria (EN 450-1); Admixtures for concrete, mortar and grout - Part 5: Admixtures for sprayed concrete (EN 934-5);	
M/129	SPACE HEATING APPLIANCES	Ceiling mounted radiant panels (EN 14037-1); Residential independent boilers fired by solid fuel (EN 12809); Residential cookers fired by solid fuel (EN 12815); Inset appliances including open fires fired by solid fuels (EN 13229); Room heaters fired by solid fuel (EN 13240); Radiators and convectors (EN 442-1); Slow heat release appliances fired by solid fuel - Requirements and test methods (EN 15250); Flued oil stoves with vaporizing burners (EN 1:1998/prA1:2007);	Sauna stoves fired by solid fuel - Requirements and test methods (WI 00295016)
M/131	PIPES, TANKS AND ANCILLARIES NOT IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION	Concrete pipes and fittings, un-reinforced, steel fibre and reinforced (EN 1916); Elastomeric seals (EN 681-1;EN 681-2; EN 681-3; EN 681-4; EN 682); Overfill prevention devices for static tanks for liquid petroleum fuels (EN 13616); Thermoplastic static tanks for above ground storage of	Plastics piping systems for non-pressure drainage and sewerage - Polyester resin concrete (PRC) - Part 1: Pipes and fittings with flexible joints (prEN 14636-1); Plastics piping systems for

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		<p>domestic heating oils, kerosene and diesel fuels (EN 13341); Workshop fabricated steel tanks (EN 12285-2); Galvanized steel pipes and fittings with spigot and socket (EN 1123-1); Welded stainless steel pipes with spigot and socket (EN 1124-1); Non-alloy steel tubes and fittings (EN 10224); Joints for the connection of steel tubes and fittings (EN 10311); Welded stainless steel tubes (EN 10312); Leak detection systems (EN 13160); Copper and copper alloys - Seamless, round copper tubes for water and gas in sanitary and heating applications (EN 1057); Non-Alloy steel tubes suitable for welding and threading (EN 10255); Stainless steel pliable corrugated tubing systems in buildings for gas with an operating pressure up to 0,5 bar (prEN 15266); Corrugated safety metal hose assemblies for the connection domestic appliance using gaseous fuels (prEN 14800); Cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings - Requirements, test methods and quality assurance (EN 877); Adhesives for non-pressure thermoplastic piping</p>	<p>renovation of underground water supply networks - Part 3: Lining with close fit-pipes (prEN 14409-3);</p> <p>Ductile iron pipes, fittings accessories and their joints for gas pipelines - Requirements and test methods (prEN 969 rev);</p> <p>Safety gas connection valves for metal hose assemblies used for the connection of domestic appliances using gaseous fuel (prEN 15069);</p>

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		<p>systems – Specifications (EN 14680); Adhesives for thermoplastic piping systems for fluids under pressure – Specifications (EN 14814); Plastics piping systems - Soil and waste discharge systems within the building structure (EN 15012); Buried and above ground systems for water and other fluids under pressure - Performance characteristics for pipes, fittings and their joints (EN 15014); Systems for hot and cold water not intended for human consumption (prEN 15015); Ductile iron pipes, fittings, accessories and their joints for sewerage applications (EN 598);</p>	
M/132	FLOOR SCREEDS	Binders, composite binders and factory made mixtures for floor screeds based on calcium sulphate (EN 13454-1);	Completed
M/135	FLAT GLASS, PROFILED GLASS AND GLASS BLOCK PRODUCTS	<p>Coated glass (EN 1096-4); Thermally toughened soda lime silicate safety glass (EN 12150-2); Chemically strengthened soda lime silicate glass (EN 12337-2); Thermally toughened borosilicate safety glass (EN 13024-2); Basic alkaline earth silicate glass (EN 14178-2); Borosilicate glass (EN 1748-1-2);</p>	<p>Mirrors from silver-coated float glass for internal use - Part 2: Evaluation of conformity/Product standard (prEN 1036-2);</p> <p>Thermally toughened soda lime silicate channel shaped safety glass - Part 2: Evaluation of conformity (prEN 15683-2);</p>

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
		<p>Glass ceramics (EN 1748-2-2); Heat strengthened soda lime silicate glass (EN 1863-2); Basic soda lime silicate glass (EN 572-9); Laminated glass and laminated safety glass (EN 14449); Insulating glass units (EN 1279-5); Heat soaked thermally toughened soda lime silicate safety glass (EN 14179-2); Thermally toughened alkaline earth silicate safety glass (EN 14321-2);</p>	<p>Glass in building - Basic alumino silicate glass products - Part 2: Evaluation of conformity/Product standard (prEN 15681-2);</p> <p>Glass in building - Heat soaked thermally toughened alkaline earth silicate safety glass - Part 2: Evaluation of conformity/Product standard (prEN 15682-2);</p> <p>Glass in Building - Thermally toughened soda lime silicate channel shaped safety glass - Part 2: Evaluation of conformity/Product standard (prEN 15683-2)</p>
M/136	CONSTRUCTION PRODUCTS IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION		NOTE: CEN is awaiting detailed information from EC.

MANDATE	TITLE	FINALIZED/HARMONIZED PRODUCT STANDARDS	OUTSTANDING STANDARDS
M/369	AMENDMENT TO M/129 TO COVER THERMAL SOLAR SYSTEMS		Thermal solar systems and components - Solar collectors - Part 1: General Requirements (prEN 12975-1)

* Not yet for citation

** Standardization work completed

5 MANDATORY CE MARKING

CE marking is now possible on the basis of 304 European harmonized product standards and is mandatory on the basis of 240.

6 MANDATES SITUATION

CEN is awaiting the amended mandates M/115 on reinforcing steel and M/117 on resistance to fire.

ECISS/TC 19/SC1, which has drafted the EN 10080, was expecting to deal with the requirements of the amended mandate already starting 2007 but had to postpone its meetings awaiting the final version of the mandate.

CEN is also awaiting the mandate on “Sealants for non-structural joints in buildings and pedestrian walkways” agreed beginning 2007.

7 MS QUERIES

CEN would like to clarify that the candidate harmonized product standards developed under the CPD are based on the work programmes drafted by CEN Technical Committees in response to the mandates and accepted by the Commission Services.

CEN welcomes close follow-up of the standardization work in response to the mandates under the CPD by the MS representatives and would appreciate receiving any comments during the early stages of the drafting of the standards to allow the relevant Technical Committees to consider them.

CEN was happy to participate at the special meeting held on the 19th October 2007, organized by the Commission Services to go through the MS queries, and of its results.

8 APPEALS:

prEN 12591 “Bitumen and bituminous binders - Specifications for paving grade bitumens” is still the subject of an appeal against ratification. Details of the appeal were given in the CEN report to the April 2007 SCC meeting. The issue will be discussed at the TB level mid December 2007.