



Brussels, 7.09.1994

MANDATE TO CEN/CENELEC
CONCERNING THE EXECUTION OF STANDARDISATION WORK
ON CONSTRUCTION PRODUCTS INTENDED TO BE USED FOR
EXTERNAL AND INTERNAL DOORS AND WINDOWS, ROOF OPENINGS
AND ROOF LIGHTS (INCLUDING FIRE DOORS AND SHUTTERS)

A. DESCRIPTION OF SPECIFIC MANDATES

I. FOREWORD

This mandate details the scope of one of the standardisation mandates issued by the Commission to CEN/CENELEC within the context of the Council Directive 89/106/EEC of December 21, 1988 concerning construction products, hereafter referred to as "the Directive".

The main aim of the Directive is the removal of technical barriers to trade in the construction field, to the extent that they cannot be removed by mutual recognition of equivalence among all the Member States. Therefore, in a first phase, the standardisation mandates will refer to products for which all of the two following conditions are fulfilled :

.../...

For the remaining part of the text of this mandate, please refer to mandate 1/33 and replace the relevant annexes with the following pages.

LIST OF PRODUCTS COVERED BY MANDATE 9/33

FAMILIES OF PRODUCTS		PRODUCTS FOR CONSIDERATION (INCLUDING PRODUCTS INTENDED TO BE INCORPORATED IN SYSTEMS / INSTALLATIONS)
FORM	MATERIALS	
H Section, bars (For construction on site)	i wood o glass n plastic, rubber (glazing bead)	<p>Frames: Aluminium, steel, plastics, timber Glazing: glass or plastics Types of windows: fixed, openable, casement, louvre, sash, pivoting, sliding, tilt and turn Types of rooflights: skylights, roof windows, domelights, barrel lights, laylights, northlights</p> <p>Types of doors: fire doors and shutters, smoke stopping doors, lift loading doors, locked doors in escape routes, swing doors, automatic doors, industrial, industrial fire, side hung, revolving, sliding and folding, half, garage, roller shutter, up and over, sliding partitions, hatches.</p> <p>Associated products : Automatic opening/ closing devices Control and sliding gear Safety devices on doors Locks and catches Panic bars Glazing bars Ventilators Sills, thresholds, weatherbars, linings, subframes, architraves and surrounds Draft strip Awnings, shutters, blinds Glazing beads</p>
X Prefabricated components	* h metal * i wood * n plastics, rubber * o glass	

TECHNICAL TERMS OF REFERENCE FOR THE MANDATE

Mandate 9

PRODUCTS USED FOR EXTERNAL AND INTERNAL DOORS AND WINDOWS, ROOF OPENINGS AND ROOF LIGHTS (INCLUDING FIRE DOORS AND SHUTTERS)

Form	Materials	Title	Related charact.
X Prefabricated components	h metal i wood n plastics o glass	<p>DOORS AND WINDOWS WITH RELATED PRODUCTS: Windows with or without incorporated shutters and blinds</p> <p>Characteristics covered by the harmonised standard will be: rate of release of dangerous substances and thermal resistance (<i>only for uses where thermal insulation performance is required</i>).</p> <p>N.B. - shutters and blinds (placed on the market as such)</p> <p><i>For fire compartmentation uses:</i> resistance to fire E, I, smoke leakage S (<i>only for applications where limitation of smoke spread is required</i>)</p> <p>Additional characteristics for specific products: - External windows including French windows water tightness, resistance to wind load, direct airborne sound insulation index (<i>only for uses where acoustic performance is required</i>), air permeability (<i>only for uses where thermal insulation performance is required</i>) as well as the durability of water tightness and air permeability against UV action, weathering and ageing/degradation.</p>	<p>34f, 61a</p> <p>only 43g applies</p> <p>+ 22b, 22c, 22f</p> <p>+ 33a, 43g, 51b, 61b, D4, D6, D8</p>

Characteristics to be in the harmonised standards	
22b	- Resistance to fire E <i>(only for fire compartmentation uses)</i>
22c	- Resistance to fire I
22f	- Smoke leakage S (<i>only for applications where limitation of smoke spread is required</i>)
23a	- Self closing C <i>(only for self closing fire doors)</i>
23b	- Ability to release <i>(only for locked doors in escape routes)</i>
33a	- Water tightness
34f	- Rate of release of dangerous substances (<i>only for indoor impact</i>)
42a	- Operating forces (safety in use) <i>(only for automatic devices)</i>
43c	- Impact resistance (<i>only for glazed doors with injury risks</i>)
43g	- Resistance to wind load
47c	- Height
51b	<i>(only for uses where acoustic performance is required)</i> - Direct airborne sound insulation index
61a	<i>(only for uses where thermal insulation performance is required)</i> - Thermal resistance
61b	- Air permeability
D4	- Durability of (33a), (61a) and (61b) against: * UV action (<i>only for plastic products and joints</i>)
D6	* weathering
D8	* ageing/degradation
D8	- Durability of (23a), (23b) and (42a) against: * ageing/degradation

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Form	Materials	Title	Related charact.
X Prefabricated components	h metal	DOORS AND WINDOWS WITH RELATED PRODUCTS: Doors with or without incorporated shutters and blinds	34f, 43c, 47c, 51b
	i wood		
	n plastics		
	o glass		
		<p>Characteristics covered by the harmonised standard will be: rate of release of dangerous substances (<i>only for indoor impact</i>), impact resistance (<i>only for glazed doors with injury risk</i>), height and the direct airborne sound insulation index (<i>only for uses where acoustic performance is required</i>).</p> <p>N.B.- shutters and blinds (placed on the market as such)</p> <p><i>For fire compartmentation uses:</i> Characteristics covered by the harmonised standard will be: resistance to fire E, I, smoke leakage S (<i>only for applications where limitation of smoke spread is required</i>), self closing C (<i>only for self closing fire doors</i>), ability to release (<i>only for locked doors in escape routes</i>) as well as the durability of self-closing C and ability to release against ageing/degradation.</p> <p>Additional characteristics for specific products:</p> <ul style="list-style-type: none"> - Internal landing communication doors and doors for special uses operating forces (safety in use) (<i>only for automatic devices</i>) as well as its durability against ageing/degradation. - External doors water tightness, resistance to wind load, thermal resistance and air permeability (<i>only for uses where thermal insulation performance is required</i>) as well as the durability of water tightness, thermal resistance and air permeability against UV action, weathering and ageing/degradation. 	<p>only 43g applies</p> <p>22b, 22c, 22f, 23a, 23b, D8</p> <p>+42a, D8</p> <p>+ 33a, 43g, 61a, 61b, D4, D6, D8</p>

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Form	Materials	Title	Related charact.
X Prefabricated components	h metal i wood n plastics o glass	<div style="border: 1px solid black; padding: 5px;"> <p>DOORS AND WINDOWS WITH RELATED PRODUCTS: Industrial, commercial, garage doors and gates</p> </div> <p>Characteristics covered by the harmonised standard will be: water tightness, rate of release of dangerous substances, resistance to wind load, thermal resistance and air permeability (<i>only for uses where thermal insulation performance is required</i>) as well as the durability of water tightness, thermal resistance and air permeability against UV action, weathering and ageing/degradation.</p> <p><i>For fire compartmentation uses:</i> Characteristics covered by the harmonised standard will be: resistance to fire E, I, smoke leakage S (<i>only for applications where limitation of smoke spread is required</i>), self closing C (<i>only for self closing fire doors</i>), ability to release (<i>only for locked doors in escape routes</i>) as well as the durability of self-closing C and ability to release against ageing/degradation.</p> <p>Additional characteristics for specific products: - Power operated products (including automatic movement) operating forces (safety in use) (<i>only for automatic devices</i>)</p>	33a, 34f, 43g, 61a, 61b, D4, D6, D8 22b, 22c, 22f, 23a, 23b, D8 +42a

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TECHNICAL TERMS OF REFERENCE FOR THE MANDATE

Mandate 9

PRODUCTS USED FOR EXTERNAL AND INTERNAL DOORS AND WINDOWS, ROOF OPENINGS AND ROOF LIGHTS (INCLUDING FIRE DOORS AND SHUTTERS)

Form	Materials	Title	Related charact.
X Prefabricated components	h metal n plastics	BUILDING HARDWARE:	23b, D8
<p>Characteristics covered by the harmonised standard will be: ability to release (<i>only for locked doors in escape routes</i>) and its durability against ageing/degradation.</p>			

Characteristics to be in the harmonised standards	
22b 22c 22f	<p><i>(only for fire compartmentation uses)</i></p> <ul style="list-style-type: none"> - Resistance to fire E - Resistance to fire I - Smoke leakage S <i>(only for applications where limitation of smoke spread is required)</i>
23a 23b	<ul style="list-style-type: none"> - Self closing C <i>(only for self closing fire doors)</i> - Ability to release <i>(only for locked doors in escape routes)</i>
33a 34f	<ul style="list-style-type: none"> - Water tightness - Rate of release of dangerous substances <i>(only for indoor impact)</i>
42a 43c 43g 47c	<ul style="list-style-type: none"> - Operating forces (safety in use) <i>(only for automatic devices)</i> - Impact resistance <i>(only for glazed doors with injury risks)</i> - Resistance to wind load - Height
51b	<p><i>(only for uses where acoustic performance is required)</i></p> <ul style="list-style-type: none"> - Direct airborne sound insulation index
61a 61b	<p><i>(only for uses where thermal insulation performance is required)</i></p> <ul style="list-style-type: none"> - Thermal resistance - Air permeability
D4 D6 D8 D8	<ul style="list-style-type: none"> - Durability of (33a), (61a) and (61b) against: <ul style="list-style-type: none"> * UV action <i>(only for plastic products and joints)</i> * weathering * ageing/degradation - Durability of (23a), (23b) and (42a) against: <ul style="list-style-type: none"> * ageing/degradation

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ANNEX 3

Product family : Doors, windows, shutters, gates and related building hardware (1/3)
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1. Levels and classes for product performances

- 1.1 According to article 3.2 of the CPD and Clause 1.2.1 of the IDs, a classification of product performance has been identified as the means of expressing the range of requirement levels of the works in respect of **resistance to fire**. The relevant classification system is indicated in the interpretative document n°2 for each product.

CEN/CENELEC are requested to follow the interpretative document guidance and make reference to the standard(s) to be prepared under Commission mandate "Horizontal complement to the 33 mandates in respect of resistance to fire" in dealing with resistance to fire in the specific harmonised product standards to be developed under this mandate.

- 1.2 Resistance to fire is the only risk for which the need for a classification system for products has been identified for the time being.

Further needs may be identified on the basis of differences specified in Article 3 (2) of the CPD, which are justified in conformity with Community law (IDs Clause 1.2.1). Where for such needs it is recognised that a classification of product performance is the means of expressing the range of requirement levels of the works, the Commission will give the appropriate guidance or will request CEN/CENELEC to make the appropriate proposal through a modification to this mandate.

2. Systems of attestation of conformity

- 2.1 For the product and intended use listed below, CEN/CENELEC are requested to specify the following system of attestation of conformity in the relevant harmonised standard/s :

Product	Intended use	Level/s or class/es	Attestation of conformity system
Fire resistant windows, doors and related incorporated hardware	Fire compartmentation	Any	1
System 1: See CPD Annex III.2.(i), without audit-testing of samples			

3. Conditions to be applied by CEN on the specifications of the attestation of conformity system

3.1 The specification for the system should be such that it can be implemented even where performance does not need to be determined for a certain characteristic, because at least one Member State has no legal requirement at all for such characteristic [*see the "no performance determined" case, clause 1.2.3 of the Interpretative Documents*]. In those cases the verification of such a characteristic must not be imposed on the manufacturer if he does not wish to declare the performance of the product in that respect.

3.2 Regarding products fitting under system 1, for the initial type testing of the product [see Annex III.1.a) of the CPD] the task for the approved body will be limited to the following characteristics :

- 22b Resistance to fire E
- 22c Resistance to fire I
- 22f Smoke leakage S
- 23a Self-closing C
- 23b Ability to release (*only for the related hardware*)

Product family : Doors, windows, shutters, gates and related building hardware (2/3)

1. Levels and classes for product performances

1.1 For the time being, the differences specified in Article 3 (2) of the CPD, do not seem to give rise to the need of a classification system for products.

Where for such needs it is recognised that a classification of product performance is the means of expressing the range of requirement levels of the works, the Commission will give the appropriate guidance or will request CEN/CENELEC to make the appropriate proposal through a modification to this mandate.

2. Systems of attestation of conformity

2.1 For the product and intended use listed below, CEN/CENELEC are requested to specify the following system of attestation of conformity in the relevant harmonised standard/s :

Product	Intended use		Attestation of conformity system
Power operated doors and gates	Any		1
System 1: See CPD Annex III.2.(i), without audit-testing of samples			

3. Conditions to be applied by CEN on the specifications of the attestation of conformity system

- 3.1 The specification for the system should be such that it can be implemented even where performance does not need to be determined for a certain characteristic, because at least one Member State has no legal requirement at all for such characteristic [*see the "no performance determined" case, clause 1.2.3 of the Interpretative Documents*]. In those cases the verification of such a characteristic must not be imposed on the manufacturer if he does not wish to declare the performance of the product in that respect.
- 3.2 For the initial type testing of the product [Annex III.1.a) of the CPD] the task for the approved body will be limited to the following characteristics :

- 23a Self closing C

Product family : Doors, windows, shutters, gates and related building hardware (3/3)

1. Levels and classes for product performances

1.1 For the time being, the differences specified in Article 3 (2) of the CPD, do not seem to give rise to the need of a classification system for products.

Where for such needs it is recognised that a classification of product performance is the means of expressing the range of requirement levels of the works, the Commission will give the appropriate guidance or will request CEN/CENELEC to make the appropriate proposal through a modification to this mandate.

2. Systems of attestation of conformity

2.1 For the product and intended use listed below, CEN/CENELEC are requested to specify the following system of attestation of conformity in the relevant harmonised standard/s :

Product	Intended use		Attestation of conformity system
Any other types of doors and windows	Any other		4
System 4: See CPD Annex III. 2;(ii), Third possibility			

3. Conditions to be applied by CEN on the specifications of the attestation of conformity system

- 3.1 The specification for the system should be such that it can be implemented even where performance does not need to be determined for a certain characteristic, because at least one Member State has no legal requirement at all for such characteristic [*see the "no performance determined" case, clause 1.2.3 of the Interpretative Documents*]. In those cases the verification of such a characteristic must not be imposed on the manufacturer if he does not wish to declare the performance of the product in that respect.
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