EUROPEAN COMMISSION
ENTERPRISE AND INDUSTRY DIRECTORATE-GENERAL

Chemicals, metals, mechanical, electrical and construction industries; Raw materials
Construction, Pressure Equipment, Metrology

Brussels, 2nd September 2010
M/136 rev.2 EN

REVISED MANDATE M/136 TO CEN/CENELEC

CONCERNING THE EXECUTION OF STANDARDISATION WORK

FOR HARMONIZED STANDARDS ON

CONSTRUCTION PRODUCTS in contact with water intended for human consumption

RELATED TO THE FOLLOWING END USE:

Transportation, storage and distribution up to, and including the consumer tap of the water intended for human consumption.

FOREWORD

This mandate is issued by the Commission to CEN/CENELEC within the context of the Council Directive of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (89/106/EEC), hereafter referred to as "the CPD", and of the Council Directive of 3 November 1998 on the quality of water intended for human consumption (98/83/EC), hereafter referred to as "the DWD".

In May 2001, the Commission issued a first text of this mandate to CEN which was revised on 6 April 2006. This second revision takes account of adjustments needed with regard to procedures and to some technical content.

Water intended for human consumption is hereafter referred to as "Drinking Water", but it means the entire definition given at Article 2(1) of the DWD. The construction products in contact with this drinking water are hereafter referred to as "the CPDW". Their intended use is to be incorporated in works of fixed public, private and/or domestic supply and distribution – as far as the tap – of water for drinking, cooking, food preparation or other domestic purposes, of drinking water to be put into tankers, bottles, or containers, or of water used in any food-production undertaking for the manufacture, processing, preservation or marketing of products or substances intended for human consumption. Products placed on the market for the specific intended use in drinking water extraction, production and/or treatment by the water supplier, in installations for putting drinking water into tankers, bottles, or containers, or in any food-production undertaking for the manufacture, processing, preservation or marketing of products or substances intended for human consumption, are excluded from this mandate.

One of the aims of the CPD being the removal of technical barriers to trade in the construction field, in so far as they cannot be removed by means of mutual recognition among Member States.

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This mandate is related to the preparation of both product and supporting standards that will be needed for harmonised product standards for construction products in contact with water intended for human consumption and the general principles for the development of covering this specific issue of ER 3 (Essential Requirement no 3 of the CPD) in harmonised product standards.

CHAPTER I: GROUNDS

This mandate falls within the framework of the general policy of the Commission with respect to technical harmonisation and standardisation, as well as within the scope of the CPD, in connection with the DWD. It replaces any previous mandate on the same products formerly issued on a provisional base by the Commission.

This mandate is based on article 7 of the CPD and has taken into consideration the Interpretative Documents[1] that serve as reference for the establishment of the harmonised standards (see article 12 of the CPD). It is also based on article 10 of the DWD and on the implementation of its annexes.

It serves to ensure the quality of the harmonised standards for the CPDW, provided that barriers to trade in these products exist and that the products fall within the scope of article 2.1 of the CPD;

Levels or classes of regulatory requirements for the works are under the responsibility of Member States and are not covered by the present mandate. As a consequence, regulatory classes are not expected to be defined in the harmonised standard.

Levels or classes of technical requirements for the products may be proposed by the relevant technical committee(s). However their development by CEN is subject to endorsement by the Commission.

CHAPTER II: BACKGROUND OF THE WORK

For the time being, Member States have different National Acceptance Schemes for products and materials intended for contact with drinking water, which cover most CPDW. This creates barriers to trade and increases the certification expenses of the industry.

As far as the standardisation work is concerned, a difference shall be made, in the attached Annex 2, between the mechanical characteristics (Crushing strength, Internal and external pressure strength, Load bearing capacity, Longitudinal bending strength, Mechanical resistance of support, Maximum load for admissible deformation, Dimensional tolerances, Impact resistance, Tightness, Effectiveness, Protection against backflow, Effectiveness of safety, leakage alarm system and/or of overfill prevention devices), for which the CEN already received a Mandate in March 1999 (M131), the release of dangerous substances (since 2005 covered by mandate M366), and the DWD-related hygiene and health characteristics that are the additional requests of the present

[1] O.J. No. C 62, 28.02.1994

Mandate. It shall be noted that some products may not have been covered by M131 (e.g. water meters, membranes, etc.), but are covered by the present Mandate, or vice-versa (e.g. conduits, ducts). Mechanical properties that are related to the fulfilment of ER3 have also to be taken into consideration in this mandate (if not covered sufficiently in M131).

CHAPTER III: SUPPORTING STANDARDS AND HARMONISED PRODUCT STANDARDS

The supporting and harmonised product standards shall be prepared to allow those products listed in Annexes 1 and 2 to be able to demonstrate by way of declaration of performance of their effect on drinking water, that they fulfil the regulatory requirements for information for being placed on the market.

The supporting standards will contain:

- A list of materials/products to which the test method shall apply; and
- A clear distinction between the regulatory and standardisation aspects; where appropriate, information on regulatory topics to be taken account of (e.g. sampling method, conditions of test, acceptance criteria, etc.) will be transmitted by the Commission; and
- A clear definition of the test. In particular, specific information could be added in the informative part of the standard; and
- Any further subjects that need to be addressed, in particular details regarding test waters and methods of calculating uncertainty;

The harmonised product standards will contain :

- A detailed description of the product or family of products covered; and
- A detailed scope and field of application; and
- A definition of the characteristics of the products listed in Annex 2 of the mandate (expressed in performance terms, as far as practicable) that are relevant to the satisfaction of the CPD Essential Requirements concerning mechanical characteristics, and of DWD-related characteristics; and
- As far as the aspects regarding “Effect on drinking water” are concerned, a clear reference to the supporting standards, without any change in its contents; and
- Guidance on the characteristics that have to be stated within the labelling that will accompany the CE marking and on the way of expressing the determined values, if any, of these characteristics; the CPD Guidance Paper on CE Marking shall be taken into consideration; and

- The system for attestation of conformity as required in annex 3 of the mandate and the corresponding specific provisions for the evaluation of conformity.

Whenever possible, a construction product in contact with drinking water shall be covered by one single standard as far as all characteristics (CPD-related mechanical and DWD-related characteristics) are concerned. In cases where the same product can also be for an intended use not in contact with drinking water, CEN-TCs may choose to cover the products of the different intended uses in separate product standards or in one single product standard that foresees the choice of not determining the product performance in contact with drinking water.

It should be clearly understood that the treatment of mechanical characteristics under this mandate shall be, where possible, identical to the same characteristics related to the Pipes, Tanks and ancillaries not in contact with Drinking water, expressed in the Mandate to CEN (M131). It is assumed, that in general, products for which the CE Marking results from the compliance with harmonised product standards developed under Mandate M131, will only have to undertake and provide the additional information on the harmonised tests related to drinking water requirements (see above).

The relevant systems for attestation of conformity, according to Article 13.3 and Annex III of the CPD, are listed in annex 3. For the establishment of the corresponding specific provisions of evaluations of conformity, the harmonised product standard shall take into account:

- The recommendations of paragraph 3 of Annex 3.

- The information accompanying the CE marking will refer to all the characteristics to be declared according to drinking water related requirements. In order to take into account existing regulations on products where performance for one or more characteristics may not be required, the label should allow the manufacturer the application of the "No performance determined" case for that or those characteristics.

CHAPTER IV: WORK PROGRAMMES

The need for a close, proactive co-operation between the authorities responsible for national regulations and the specifications writers has been recognised by all the parties concerned.

Consequently, CEN/CENELEC will present the Commission with two revised detailed work programmes:

- a revised work programme related to the supporting standards (test methods), that will be prepared by the horizontal TCs (water supply and water analyses). This work programme shall be delivered to the Commission, the latest three months after the reception by CEN of this Revised Mandate.
- a revised work programme related to the product standards, that will be prepared by the product/material TCs. This work programme shall be delivered to the Commission, the latest nine months after the reception by CEN of this Revised Mandate.

Supporting standards

The revised work programme for supporting standards should clearly identify the list of standards already available or still to be finalised or to be developed, taking into consideration all the products and materials listed in the attached Annex 1 and the provisions of Annex 4.

Furthermore, for each supporting standard (test method), it should:

- indicate the materials/products for which it applies; and
- indicate the CEN work item reference; and
- differentiate the regulatory and voluntary issues/topics; and
- justify the timetable foreseen for its finalisation; and
- identify the technical committee responsible for its preparation.

CEN/TC(s) must give a technical answer for the determination of the test methods, taking into account the wishes of the authorities responsible for national regulations that are expressed either in this Mandate, or in relevant documents transmitted by the Commission services.

Any proposal(s) for the addition of test method(s) not included in the present Revised Mandate, but considered relevant by the TC(s), should be presented in a special chapter of the work programme on supporting standards, for further analysis by the Commission services.

Product standards

The work programme on product standards should identify clearly the list of standards already available or still to be finalised or to be developed, taking into consideration all the products and materials listed in the attached Annex 1. It should also mention product standards resulting from other mandates issued in application of the CPD, in particular mandate M131. If the intended use of these products can be in contact with drinking water, or can be extended to the latter, and should therefore be included in the work, the work programme, where applicable, should indicate an amendment of the product standard needed to this end.

Furthermore, for each harmonised product standard concerning a CPDW, it should:

- indicate the name(s) of the product(s)/product family to be covered; and
- indicate the CEN work item reference; and
- define the forms and materials to be covered (in accordance with Annexes 1, 2, 3 and 4 of this mandate); and
- list of supporting standards, in compliance with the work programme on supporting standards defined above; and
- justify the timetable foreseen for its finalisation; and
- identify the Technical Committee(s) responsible for the work.

Any proposal(s) for the addition of characteristics and durability aspects not included in the Mandate, but considered relevant by the TC(s), should be proposed in a special chapter of the work programme on supporting standards, for further analysis by the Commission services.

Any proposal(s) for the addition of products and/or materials and/or forms not included in the present Mandate, but considered relevant by the TC(s), should be presented in the work programme for further analysis by the Commission services. In addition to the provisions of article 4.1 of the CPD, it must be taken into account that all the products to which the present mandate refers have a system of attestation of conformity in accordance with the relevant Commission Decision.

CHAPTER V: EXECUTION OF THE MANDATE

After examination of the work programmes and, as far as needed, consultation with the relevant CEN-TCs, the Commission services will endorse the timetable and the list of standards or parts/amendments of standards which meet the terms of this mandate and which will be recognised as harmonised supporting or product standards.

The terms of reference of this mandate may be subject to modification or addition, if necessary. Successive amendments to this Mandate would then be addressed to CEN.

The Commission may participate in standardisation activities as observer and has the right to receive all relevant documents.

The CEN will immediately inform the Commission of any problem relating to the carrying out of the mandate. Furthermore, the CEN will, once per year, submit to the Commission a progress report on work within the framework of this Mandate. This progress report will include a description of work carried out and information on any difficulties being met, whether political or technical. If requested, the progress report will be accompanied by the latest drafts of each standard under the mandate and by updated reports on any subcontracted work. In the case of insufficient reporting, the Commission may revoke the present Mandate.

CEN will acknowledge to the Commission its acceptance of this Revised Mandate. However, this acceptance can take place only after the above-mentioned two revised work programmes have been endorsed by the Commission services.

The acceptance of the original mandate by CEN initiates the standstill procedure referred to in article 7 of Council Directive 83/189/EEC of 28 March 1983 modified by Council Directive 88/182/EEC of 22 March 1988 and the European Parliament and the Council Directive 94/10/EC of 23 March 1994.

CEN Members will publish the standards transposing the harmonised European standards at the latest 6 months after a positive vote in CEN. National standards covering the same scope will continue to be applicable until the date agreed between CEN and the Commission.

ANNEX 1

FIELD OF APPLICATION *****

CONSTRUCTION PRODUCTS

IN CONTACT WITH

WATER INTENDED FOR HUMAN CONSUMPTION

LIST OF PRODUCTS INCLUDED IN THE MANDATE

TO BE USED IN:

SUPPLY OF HOT AND COLD WATER
STORAGE FIXTURES

FORMS	MATERIALS	PRODUCTS FOR CONSIDERATION
Kits (Piping systems, storage systems)	As indicated below for components	**Kits,**. Including pipes, tanks, fittings, safety devices, adhesives, joints, valves, taps, meters, pumps, membranes, water conditioning equipment and possibly special components, including their supports, to be used for the transport, storage and/or distribution of the water intended for human consumption.
Rigid components Flexible components	**Cementitious materials** : (e.g. reinforced/fibred/ unreinforced/prestressed precast concrete, cement mortar lining with or without seal coat, polymer modified, fibre cement, …) **Metallic materials** : (e.g. steel, aluminium, copper, alloys, cast/ductile/grey/ malleable cast iron, …) **Organic materials** : (e.g. plastics, polymers, rubbers, elastomers, PVC, PE,…) **Glassy, glass-like and ceramic materials** : (e.g. glass, vitrified clay, vitreous enamel, …) **Composite** (e.g. glass fibre reinforced polyester, carbon fibre reinforced epoxy resins,…)	**Pipes** (coated or uncoated).

*** Under the provisions of both Council Directives 89/106 (CPD) and 98/83 (DWD), it is of the competence of the Member States to fix <u>from which place</u> the networks carry Drinking Water (e.g. from the point of abstraction or the alst point of treatment). The DW distribution goes up to, and includes the consumer taps. Products specifically placed on the market for the purpose of being used in drinking water extraction, production and/or treatment by the water supplier, in installations for putting drinking water into tankers, bottles, or containers, or in any food-production undertaking for the manufacture, processing, preservation or marketing**

of products or substances intended for human consumption, are excluded from the field of application.

Cont.

FORMS	MATERIALS	PRODUCTS FOR CONSIDERATION
Components	**Cementitious materials** : (e.g. reinforced/fibred/ unreinforced/prestressed precast concrete, in situ concrete with or without organics, polymer modified, fibre cement, …) **Metallic materials** : (e.g. coated/mild/lined/stainless steel, aluminium, copper, alloys, ductile iron, cast iron, …) **Organic materials** : (e.g. plastics, rubber, …) **Glassy, glass-like and ceramic materials** : (e.g. glass, vitrified clay, enamel, …) **Composite** (e.g. glass fibre reinforced polyester, admixtures,…)	**Tanks** (including closed and vented hot water storage units) used in fixed installation for supply or storage of water intended for human consumption
Components	Metals Rubber Plastics Glass, ceramics, enamels Composite Cast iron	**Valves, taps, pumps, water meters, protection and safety devices** *Coated or uncoated.*
Components Constituents	Metals Rubber Plastics Chemical compounds Cementitous	**Fittings, adhesives, joints, joint sealings and gaskets** **Cement, additions, aggregates, admixtures, fibres**
Malleable	Composite	**Coatings,** including linings.
Malleable	Composite	**Lubricants, greases**

ANNEX 2

TECHNICAL TERMS OF REFERENCE

Note : not all of the characteristics shown in the following tables will be relevant for every product in a particular family or sub-family. CEN should select the subset of characteristics applicable to a particular product from the full set provided.

CONSTRUCTION PRODUCTS
IN CONTACT WITH
WATER INTENDED FOR HUMAN CONSUMPTION

TO BE USED IN:

SUPPLY OF HOT AND COLD WATER, AND STORAGE FIXTURES

1. KITS (Piping and/or Storage Systems)

Used for water intended for human consumption, pressurised or unpressurised, inside or outside (both underground and above ground) buildings. Including pipes, tanks, fittings, safety devices, adhesives, joints, valves, taps, meters, pumps, membranes, water conditioning equipment and possibly special components.

NOTE: Kits will be fit for contact with Drinking Water only if all the components they are composed of have been tested and assessed for their affect to drinking water.

Characteristics of PIPING/STORAGE KITS/SYSTEMS to be covered by the harmonised standard will be:

E R	PERFORMANCE CHARACTERISTICS	Durability[(1)]
1		**Y** *(against corrosion, freeze-thaw, abrasion, UV, variation of temperature,… as relevant)*
2		
3 + **4**	Crushing strength Internal and external pressure strength Longitudinal bending strength Mechanical resistance of support Maximum load for admissible deformation **FITNESS for contact with Drinking Water** Impact resistance Tightness Effectiveness of safety devices Release of dangerous substances (NOT into drinking water but the immediate environment – covered under mandate M/366)	
5	Noise level	
6	Thermal properties	

Note: All the “unbold” characteristics are also being developed under the Mandate M131

2. PIPES

Rigid or flexible or malleable tubes used for the conveyance of water intended for human consumption. For pressured or unpressured systems, inside or outside buildings, underground or above ground installations.

Characteristics of Pipes to be covered by the harmonised standard will be:

E R	PERFORMANCE CHARACTERISTICS	Durability[1]
1		**Y** *(against corrosion, freeze-thaw, abrasion, UV, variation of temperature,… as relevant)*
2		
3 + 4	Crushing strength Internal and external pressure strength Longitudinal bending strength Maximum load for admissible deformation Dimensional tolerances Impact resistance **FITNESS for contact with Drinking Water** Tightness Permeability Release of dangerous substances (NOT into drinking water but the immediate environment – covered under mandate M/366)	
5		
6	Thermal properties	

Note: All the "unbold" characteristics are also being developed under the Mandate M131

3. TANKS

Tanks used in fixed installation, underground or above ground, pressurised or not, including closed and vented hot water storage units, used for storage and/or supply of water intended for human consumption.

Characteristics of the TANKS to be covered by the harmonised standard, besides those already covered by other above mentioned Directives, will be:

E R	PERFORMANCE CHARACTERISTIC	Durability[1]
1	Mechanical resistance and stability	**Y** *(against internal and external corrosion,…, when relevant)*
2		
3 + 4	Crushing resistance Internal pressure Load bearing capacity Impact resistance **FITNESS for contact with Drinking Water** Tightness Permeability Release of dangerous substances (NOT into drinking water but the immediate environment – covered under mandate M/366)	
5		
6		

Note: All the "unbold" characteristics are also being developed under the Mandate M131

4. PROTECTION AND SAFETY DEVICES

This family of products includes in particular leakage alarm systems and/or overfill prevention devices for tanks, pre or post installed, including mechanical and/or electrical devices.

The Directives 73/23/EEC, 89/336/EEC and 94/9/EEC shall be taken into account, when appropriate.

Characteristics of PROTECTION AND SAFETY DEVICES to be covered by harmonised standards, besides those already covered by the above mentioned Directive, will be:

E R	PERFORMANCE CHARACTERISTIC	Durability
1		**Y**
2		
3 + 4	Effectiveness of leakage alarm system and/or of overfill prevention devices **FITNESS for contact with Drinking Water**	
5		
6		

Note: The above "unbold" characteristic is also being developed under the Mandate M131

5. FITTINGS, ADHESIVES, JOINTS, JOINT SEALINGS AND GASKETS

Elements for connecting one component to another, providing tightness to the system. For rigid, flexible and/or malleable pipes, for all tanks; for pressurised or unpressurised systems inside buildings or outside buildings, underground or above ground. Definition of these elements must indicate material, diameter and thread step if relevant.

Characteristics of FITTINGS, ADHESIVES, JOINTS, JOINT SEALINGS AND GASKETS to be covered by harmonised standards will be:

E R	PERFORMANCE CHARACTERISTIC	Durability[(1)]
1		**Y**
2		
3 + 4	Crushing strength Internal pressure Maximum load for admissible deformation Dimensional tolerances Tightness **FITNESS for contact with Drinking Water** Release of dangerous substances (NOT into drinking water but the immediate environment – covered under mandate M/366)	
5		
6		

Note: All the "unbold" characteristics are also being developed under the Mandate M131

6. VALVES and TAPS

Device of the nature of a flap, lid, plug, etc., applied to a pipe and/or a tank to control or to release the passage of water intended for human consumption. Definition of the valve/tap must indicate material, diameter and thread step if relevant.

Characteristics of VALVES and TAPS to be covered by harmonised standards will be:

E R	PERFORMANCE CHARACTERISTIC	Durability[(1)]
1		**Y**
2		
3 + 4	Dimensional tolerances Internal pressure Tightness Effectiveness **FITNESS for contact with Drinking Water** Protection against backflow Release of dangerous substances (NOT into drinking water but the immediate environment – covered under mandate M/366)	
5	Noise level	
6		

Note: All the "unbold" characteristics are also being developed under the Mandate M131

7. PUMPS, WATERMETERS and WATER CONDITIONING EQUIOMENT

The metrology of the water meters and pumps is not considered here (see: Measuring Instruments Directive 2004/22/EC).

Characteristics of PUMPS and WATER METERS to be covered by harmonised standards will be:

E R	PERFORMANCE CHARACTERISTIC	Durability[(1)]
1		**Y**
2		
3+4	**FITNESS for contact with Drinking Water** Release of dangerous substances (NOT into drinking water but the immediate environment – covered under mandate M/366)	
5		
6		

8. MEMBRANES, RESINS, COATINGS, LININGS, LUBRICANTS, GREASES

CEN shall determine whether and how specific product standards will be developed for these products. The coated products shall be tested as such, but the coatings may need to be CE Marked. Lubricants and greases could only be used in very specific conditions to be defined. Factory made and in-situ products shall be considered.

Characteristics of MEMBRANES, RESINS, COATINGS, LININGS, LUBRICANTS, GREASES to be covered by harmonised standards will be:

E R	PERFORMANCE CHARACTERISTIC	Durability[(1)]
1		**Y**
2		
3+4	**FITNESS for contact with Drinking Water**	
5		
6		

ATTESTATION OF CONFORMITY

Note: for products having more than one of the intended uses specified in the following families, the tasks for the approved body, derived from the relevant system of attestation of conformity, do not need to be repeated.

Product family:
CONSTRUCTION PRODUCTS
IN CONTACT WITH
WATER INTENDED FOR HUMAN CONSUMPTION

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 to give rise to the need of a classification system for products.

1.2. 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 provisions set in the Chapter I para 2 and 3 of this Mandate apply.

2. SYSTEMS OF ATTESTATION OF CONFORMITY

For the product(s) and intended use(s) listed below, CEN/CENELEC are requested to specify the following system(s) of attestation of conformity in the relevant harmonized standards:

Product(s)	Intended use(s)	Level(s) or class(es)	Attestation of conformity system(s)
- Kits (Piping and storage systems) **- Pipes** **- Tanks** **- Valves, taps, pumps, watermeters, protection and safety devices.** **- Fittings, adhesives, joints, joint sealings and gaskets** **- Membranes, resins** **- Coatings** **- Lubricants, greases**	In installations for the transport/distribution/storage of water intended for human consumption, up to, and including, the consumer taps.	-----	**1+**
System 1+: see CPD Annex III. 2.(i), with 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 Article 2.1 of the CPD and, where applicable, 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 products under system 1+, regarding the initial type testing of the product [see Annex III.1.a of the CPD], the task for the approved laboratory will be limited to the assessment of the following characteristics:

- Fitness for contact with Drinking Water

(All other characteristics of the products will be dealt with using the system enforced in the Commission Decision 1999/472/EC)

3.3. For products under system 1+, for the continuous surveillance, assessment and approval of the factory production control [see Annex III.1.g of the CPD], only parameters related to the following characteristic shall be of interest of the approved body:

- Fitness for contact with Drinking Water

(All other characteristics of the product will be dealt with using the system enforced in the Commission Decision 1999/472/EC)

3.4. For products under system 1+, for the initial inspection of the factory production control [see Annex III.1.f of the CPD], only parameters related to the following characteristic shall be of interest of the approved body:

- Fitness for contact with Drinking Water

(All other characteristics of the product will be dealt with using the system enforced in the Commission Decision 1999/472/EC)

ANNEX 4

FITNESS FOR CONTACT WITH DRINKING WATER

Product family:
CONSTRUCTION PRODUCTS
IN CONTACT WITH
WATER INTENDED FOR HUMAN CONSUMPTION

1. SCOPE OF APPLICATION

All the products and materials and forms set out in Annex 1 of this Mandate shall be dealt with.

It is the intention of the Commission to use European Standards wherever possible to specify the methods to be used in the various tests required by EU and national legislation. Some already exist as ENs or prENs, there are items under development, but many new work items are likely to be identified.

This mandate covers aspects of the content in, or the release of substances from construction products into drinking water which, whether directly or indirectly, either reduce the protection of human health provided for in the DWD or are detrimental to drinking water quality. Other regulatory requirements related to the content or release of dangerous substances *not* into drinking water but into the immediate environment (i.e. REACH, EU or national chemicals legislation) are covered under mandate M/366 and will not be part of mandate M/136.

2. SUPPORTING STANDARDS – TEST METHODS

It is the intention of the Commission to use European Standards wherever possible to specify the test methods required by EU and national legislation. Test method standards are only required where at least one MS has a notified regulation for a performance characteristic that requires the product's effect on DW to be determined and declared and as such a specific method needs to be adopted by all the testing bodies.

Under the provisions of previous versions of this Mandate a work programme on test methods has been agreed, and is being carried out by CEN (TC164/WG3).

The standards to be revised or produced are:

Odour and flavour assessment	Revision of EN1420
Colour and turbidity assessment	Revision of EN 13052
Organoleptic assessment	Revision of EN 14395

(ENs 13052 and 14395 will be consolidated with EN 1420 when the revision of that standard has been completed)

Migration non-metallic, non-cementitious	Revision of EN 12873-1

Dynamic rig test for assessment of metal release		
Design and operation	EN 15664-1	
Test waters	prEN 15664-2	
Assessment of nickel release from nickel/chrome or nickel plated products		New item
Method to evaluate the passive behaviour of stainless steel		New item
Determination of the amount of lead on the surface of copper alloys		New item
Factory-made cementitious products		
Influence of migration on organoleptic parameters		EN 14944-1
Migration of substances		EN 14944-3
Enhancement of microbial growth		New item
Unsuspected organic substances (GCMS)		New item

The Commission may request CEN to develop additional test methods, or provide guidance on current work, following consultation with Member States on the requirements of their testing practices

3. HARMONISED PRODUCT STANDARDS

The notified regulatory requirements of Member States determine the testing requirements for specific products having regards to the materials employed in their production and the level of risk to drinking water that they pose.

The Commission will consult with Member States on their requirements with the aim of developing harmonised approaches to specifying test requirements for products. These will then be passed to CEN as regulatory guidance on the drafting of the harmonised product standards.

This guidance is expected to include some or all of the following elements in the product assessment process, depending on the nature and function of the product and the materials used in its production.

Establishing compliance of the constituent substances and ingredients in the product with Positive Lists for organic materials, with Composition Lists for metallic materials and with Constituent Lists and Additive Positive Lists for cementitious materials.

Determining the tests to be applied, having regard to the nature and function(s) of the product and the material used in its production. The extent of testing will also have regard to any prior approvals given to constituent materials and components

Selecting and preparing product and material samples.

Making reference to the EN test methods to be used when standard methodology is required.

Providing guidance on the interpretation of test results, including the use of conversion factors.

Making the required declarations of the test results. (See also Chapter III (3) Bullet 5 and Commission Guidance on the use of levels and classes.)