



TECHNICAL BOARD

CEN/BT by correspondence

For vote	Issue date:	2017-07-26
	Deadline:	2017-10-24

SUBJECT

Creation of a new CEN Technical Committee on ‘Stirring and mixing industrial equipment’

BACKGROUND

On 23 June 2017, AFNOR submitted a proposal to CCMC for the creation of a new Technical Committee to work on European Standards for stirring and mixing industrial equipment (see Annex).

The proposed Technical Committee would develop harmonised standards in support of the Machinery Directive 2006/42/EC.

Where relevant, the new Technical Committee will liaise with existing CEN and ISO Technical Committees, e.g. CEN/TC 197 ‘Pumps ‘ and ISO/TC 115/SC 2 ‘Pumps - Methods of measurement and testing’.

By Resolution BT C75/2009, BT decided that both of the following criteria are to be met for acceptance of such a proposal for new work (in a new area):

- A two-thirds majority of the votes cast (abstentions not counted) are in favour of the proposal (or more);
- At least 5 members express commitment to participate.

As a consequence, BT Members are requested to state explicitly, by means of the commenting field provided in the BT-balloting tool, whether or not they are committed to participate in the work.

PROPOSAL(S)

BT,

- having considered the proposal for a new field of technical activity (Form A) submitted by AFNOR as included in BT N 10851;
- considering that the following members have expressed commitment to participate:
 - <members>
- decides to create a new CEN/TC xxx with the following preliminary title and scope:

Title:

CEN/TC xxx ‘Stirring and mixing industrial equipment’

Scope:

‘Standardization in the field of stirring and mixing industrial equipment as dynamic agitators, where the continuous phase is a liquid, excluding domestic equipment, static mixers, agitators used for kneading, aerators and pumps.’

- allocates the Secretariat of CEN/TC xxx to AFNOR;
- asks the new CEN/TC xxx to submit its final title and scope for BT approval by April 2018.

2017-07-19 – JF



PROPOSAL for a NEW FIELD OF TECHNICAL ACTIVITY	
Date of circulation	CEN/TC / SC N (where appropriate)
Secretariat	CENELEC/TC / SC (Sec) (where appropriate)
Type of technical body proposed (TC / SC / BTF)

IMPORTANT NOTE: Incomplete proposals risk rejection or referral to originator.

The proposer has considered the guidance given in Annexes 1 and 2 during the preparation

Proposal (to be completed by the proposer)

<p>Title of the proposed new subject (The title shall indicate clearly and unambiguously, yet concisely, the new field of technical activity which the proposal is intended to cover.)</p> <p>Stirring and mixing industrial equipment</p>
<p>Scope statement of the proposed new subject (The scope shall precisely define the limits of the new field of technical activity. Scopes shall not repeat general aims and principles governing the work of the organization but shall indicate the specific area concerned.)</p> <p>Standardization in the field of stirring and mixing industrial equipment as dynamic agitators, where the continuous phase is a liquid, excluding domestic equipment, static mixers, agitators used for kneading, aerators and pumps.</p> <p>The main objective is to develop a complete set of standards dealing with in the field of dynamic agitators and including different concerns like vocabulary, performances, test procedures, design, environmental aspects, safety aspects, quality parameters, etc.</p>
<p>Purpose and justification for the proposal.</p> <p>Stirring and mixing equipment is widely used in several sectors such as the chemical industry, food and beverage, general blending, oil and gas, water treatment, pharmaceutical industry, cosmetics, etc. Adding liquids in industrial processes involves highly technical engineering. The control of flows, temperatures, physical behaviour, chemical reactions, density, viscosity, concentration, granulometry, the sedimentation rates of the products present are all parameters to take into account.</p> <p>A stirrer makes it possible to mix and homogenise several types of product:</p> <ul style="list-style-type: none"> - Maintaining the solid elements in liquids in suspension, - Modifying the consistency of a thixotropic product (product whose viscosity changes when it is agitated), - Optimising the yield in terms of heat exchange of a mixture in a vessel, - Dissolving gas in liquid, - Dispersing powder in liquid, - ... <p>Users of dynamic agitators are involved in stirring and mixing processes which are more and more dependent of cost production, quality, energy efficiency and performances. This requires optimizing the design of dynamic agitators using new measures and analysis devices and Computational Fluid Dynamics (CFD) simulation.</p> <p>In this large evolving field, stakeholders do not have specific and relevant standards at their disposal concerning dynamic agitators and really need such documents.</p>

Is the proposed new subject actively, or probably, in support of European legislation or established public policy?

Yes No

If Yes, indicate if the proposal is

- in relation to EC mandate(s):(which one(s))
- in relation to EC Directive(s)/Regulation(s): 2006/42/EC
- in relation to other legislation or established public policy:(give details)

Proposed initial programme of work

The proposed programme of work shall correspond to and clearly reflect the aims of the standardization activities and shall therefore show the relationship between the subject proposed.

Each item on the programme of work shall be defined by both the subject aspect(s) to be standardized (for products, for example, the items would be the types of products, terminology, characteristics, other requirements, data to be supplied, test methods, performance requirements, etc.). Supplementary justification may be combined with particular items in the programme of work (e.g. output from a research project).

The proposed programme of work shall also suggest priorities, target dates and the most appropriate type of deliverable (e.g. EN, TS) for each item .

The program of work schedules starting with two standards:

- Terminology and vocabularies
- Performances of dynamic agitators.

A statement from the proposer as to how the proposed work may relate to or impact on existing work, especially existing CEN, CENELEC, ISO and IEC deliverables.

The proposer should explain how the work differs from apparently similar work, or explain how duplication and conflict will be minimized. If seemingly similar or related work is already in the scope of other committees of the organization, or in other organizations, the proposed scope shall distinguish between the proposed work and the other work. The proposer shall indicate whether his or her proposal could be dealt with by widening the scope of an existing committee or by establishing a new committee.)

For the time being, no relevant TC exists to deal with standards on dynamic agitators and the aim is to develop specific standards on such equipment excluding static mixers, agitators used for kneading, aerators and pumps. The intention is also to establish liaisons with other relevant TCs.

A listing of relevant existing documents at the international, regional and national levels.

Any known relevant documents (such as standards and regulations) shall be listed, regardless of their source, and should be accompanied by an indication of their significance.

NF E 044-601 " Dynamic stirrers - Definitions and hydraulic characterizations "

NF E 044-602 " Dynamic stirrers - Evaluation of the hydrodynamic efficiency "

DIN 28131 "Agitators and baffles for agitators vessels; types, terms and main dimensions "

DIN 28133 "Agitators - Nominal speeds "

DIN 28136 "Agitator vessels "

DIN 28161 "Requirements on agitator drives - Agitator speed and direction, bearing application running accuracy, dis-mounting space for shaft seal "

DIN 28162 "Agitator gear stools for agitator drives with a rotating mechanical seal "

Known patented items

Yes No If "Yes", see CEN-CENELEC Guide 8 and provide full information in an annex

A simple and concise statement identifying and describing relevant affected stakeholder categories (including small and medium sized enterprises) in particular those who are immediately affected from the proposal (see Annexes 1 and 2) and how they will each benefit from or be impacted by the proposed deliverable(s)

All actors from the value chain of industry, Government and Labour (for safety aspects), testing and certifications laboratories, academic and research bodies, organizations representing broad or specific environmental interests,

Liaisons:

A listing of relevant external European or international organizations or internal parties (other CEN, CENELEC, ETSI, ISO and/or IEC committees) to which a liaison should be established (in the case of ISO and IEC committees via the Vienna or Dresden Agreements).

CEN/TC 197 - ISO/TC 115/SC 2

Joint/parallel work:

Possible joint/parallel work with:

- CEN (please specify committee ID)
- CENELEC (please specify committee ID)
- ISO (please specify committee ID)
- IEC (please specify committee ID)
- Other (please specify)

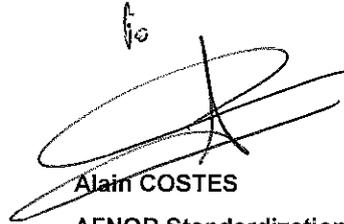
Name of the Proposer

(include contact details)

An expression of commitment from the proposer to provide the committee secretariat if the proposal succeeds.

AFNOR is willing to provide secretariat of this CEN technical committee

Signature of the proposer



Alain COSTES

AFNOR Standardization Director

Annex(es) are included with this proposal (give details)