TECHNICAL BOARD

CENELEC/BT by correspondence		**Agenda item:**	7.4.1
For vote		**Issue date:**	2012-02-08
Simultaneous circulation to CEN/BT	☒	**Deadline:**	2012-03-06

SUBJECT

Mandate M/500 – Ecodesign requirements for fans – Acceptance

BACKGROUND

See Annex 1.

A corresponding proposal is being submitted to CEN/BT for acceptance.

PROPOSAL(S)

BT examined the terms of the EC Mandate M/500 'Mandate to CEN, CENELEC and ETSI for standardisation in the field of fans driven by motors with an electric input power between 125 W and 500 kW'.

BT noted that while the work to be carried out falls mainly under the remit of CEN/TC 156 'Ventilation for buildings' the mandate requests the collaboration of CLC/TC 22X 'Power electronics'.

BT accepted Mandate M/500.

Pending the acceptance of M/500 by CEN/BT, BT requested CLC/TC 22X to ensure its collaboration with CEN/TC 156 for the execution of M/500.

2012-02-07 – AFL

CEN Reference: Annex 1 to BT N 8835
CENELEC Reference: Annex 1 to BT141/DG8653/DV

Background

Under the framework Directive 2005/32/EC, replaced by ***Directive 2009/125/EC*** *of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products*, the European Commission has been developing a number of Implementing Regulations setting mandatory technical ecodesign requirements for various energy-related product groups. The aim is to reduce and limit the energy consumption of those products, therefore contributing to the longer-term achievement of Horizon 2020.

The EC addressed a series of individual mandates requesting the development of European Standards supporting the Implementing Regulations for specific product groups. As the EC published in April 2011 the ***Commission Regulation (EU) No 327/2011*** *of 30 March 2011 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for fans driven by motors with an electric input power between 125 W and 500 kW*, it addressed to the three ESOs **M/500** 'Mandate to CEN, CENELEC and ETSI for standardisation in the field of fans driven by motors with an electric input power between 125 W and 500 kW' (see Annex 2), by letter dated 2012-01-11.

NOTE This product (fans) does not fall under the new horizontal Ecodesign Mandate M/495 (accepted by CEN and CENELEC in November 2011 and covering all product groups). Although M/495 puts an end to the development of *new* individual ecodesign mandates, M/500 was developed before the issuance of M/495 and is therefore one of the few individual ecodesign mandates that still have to be issued.

M/500 requests the development of European Standards in two phases:

- Phase 1: a European Standard describing procedures and methods for measuring the energy efficiency and associated characteristics of electric mains operated fans; this phase has to be finalised within 20 months.

- Phase 2: (a) European Standard(s) establishing system efficiency metrics; this phase has to be finalised within 36 months.

In February 2011, CCMC received from the EC a provisional draft mandate. CCMC identified two Technical Committees whose scopes covered the subject of the mandate, namely CEN/TC 156 'Ventilation for buildings' and CLC/TC 22X 'Power electronics'. The document was sent to them for comments. Comments were received only from

CLC/TC 22X and forwarded to the EC on 2011-02-23. As to CEN/TC 156, it confirmed by email dated 2012-02-07 that it is willing to undertake standardization work under this mandate as the lead TC.

The final mandate now specifically requires that the work should be inspired from, a.o., EN ISO 5801:2008, 'Industrial fans - Performance testing using standardized airways (ISO 5801:2007 including Cor 1:2008)' and EN ISO 13349:2010, 'Fans - Vocabulary and definitions of categories (ISO 13349:2010)', two standards under the responsibility of CEN/TC 156. The mandate requests as well that the work should be carried out with the collaboration of CLC/TC 22X, in particular for Phase 2.