

## BUSINESS PLAN

<b>CENELEC/TC</b>	Secretariat	Date
<b>23BX</b>	Italy	2018-07-26

TC title: **TECHNICAL COMMITTEE 23BX: SWITCHES, BOXES AND ENCLOSURES FOR HOUSEHOLD AND SIMILAR PURPOSES, PLUGS AND SOCKET OUTLETS FOR DC**

### A Background

To prepare standards for electrical accessories for household and similar purposes, the word “similar” including locations such as offices, commercial and industrial premises, hospitals, public buildings, etc.

The standards prepared by CLC/TC 23BX are in the frame of the applicable European Directives.

The electrical accessories:

- are intended for fixed installations, or for use in or with appliances and other electrical or electronic equipment, and may include electronic components;
- are normally installed by instructed or skilled persons and are normally used by ordinary persons.

In particular, CLC/TC 23BX prepares standards for:

- switches including electronic switches, time-delay switches, remote control switches, isolating switches and Fireman's switches,
- switches and related accessories for use in Home and Building Electronic Systems (HBES),
- DC plugs and socket-outlets for ICT equipment installed in data and telecom centres,
- cable reels,
- devices for the Connection of Luminaires (DCLs),
- general purpose boxes and enclosures for household devices, boxes and enclosures with provision for suspension means, connecting boxes and enclosures, floor boxes and enclosures, enclosures for housing protective devices and similar power consuming devices,
- cord extension sets,
- indicator light units.

CLC/TC 23BX has:

- a) to examine the comments submitted by the National Committees during the Enquiry, UAP and Voting procedure on reference documents: IEC 60669-1, IEC 60669-2-1, IEC 60669-2-2, IEC 60669-2-3, IEC 60669-2-4, IEC 60669-2-5, IEC 60669-2-6, IEC 60670-1, IEC 60670-21, IEC 60670-22, IEC 60670-23, IEC 60670-24, IEC 61242, IEC 61995-1, IEC 61995-2 and to prepare remarks on these comments;
- b) to study proposals for amendments concerning EN 60669 series, EN 60670 series, EN 61242, EN 61995 series and EN 62094-1 on the basis of CLC/TC 23BX decisions;
- c) to discuss a standard for requirements, tests and standard sheets for a plug and socket-outlet system for DC intended to be used by ordinary persons in data-centres only where the value of the DC voltage distribution system, with or without battery, does not exceed 400 V

DC between live conductors and where the voltage value between each live conductor and earth does not exceed 200 V DC;

- d) to prepare a standard for requirements and tests for cord extension sets
- e) to analyse the situation concerning accessibility and the impact CLC/TC 23BX standards.

## **B Business Environment**

The demand for safety, comfort and reliable performances in a country is closely linked with the relevant economical and technological development. As a consequence, the need for standards ensuring safe and reliable performances of the devices is necessary in all countries. This is definitely the case for devices to be used by uninstructed persons, like those dealt with by CLC/TC 23BX.

The demand for direct current application especially in data centres and telecom centres has recently popped up for e.g. reducing power consumption. As consequence, the need for standards ensuring safe and reliable performances of the devices is necessary.

The demand of reduction of energy consumption by the EU (20-20-20) required appropriate standards to ensure that electrical systems are “energy efficient”. Electronic devices including those to be used in HBES systems are contributing substantially to energy saving.

### **B.2 Market demand**

The demand of safety, comfort and reliable performances, in the frame of Eco Design, Energy Efficiency, Ambient Assisted Living, Smart Grid, Renewable Energy, together with the ever-growing European and worldwide trade involves the need of qualified standards having the largest possible acceptance in order to ease the circulation of products.

The customers of the issued standards are manufacturers, testing stations, electricity supplier and installers.

DC Socket outlets: the customers are manufacturers, testing stations, electricity supplier, installer and appliances manufacturers in the field of telecom and data centres.

### **B.3 Trends in technology**

Home and building electronic systems which have influence on accessories related to control imply some extensions of existing standards. In particular to take into account the presence of electronics in accessories and the subsequent electromagnetic compatibility.

Data centres and telecom centres are requesting the use of DC application for which is foreseen the need for appropriate standards.

### **B.4 Market trends**

In the market there is more and more a trend to ask for more sophisticated products with appropriate functionalities to cope with the different demands of safety, comfort and reliable performances, in the frame of Eco Design, Energy Efficiency, Ambient Assisted Living, Smart Grid, Renewable Energy.

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## **B.5 Ecological environment**

It is acknowledged that electronic devices stand alone or part of Energy Management System contribute to the reduction of the energy consumption in installations.

## **B.6 Involvement of societal stakeholders**

CLC/TC 23BX is in direct contact with Manufacturer Associations, Installer Associations and Certification Bodies so as to guarantee the high applicability of the standards issued.

## **B.7 Involvement of SMEs**

CLC/TC 23BX is open to the contribution coming from any source in particular the participation of SME is welcome. SMEs are represented through the National Committees.

## **C System approach aspects**

For CLC/TC 23BX, the system approach is very important in order to achieve a consistent set of standards. In order to achieve this, CLC/TC 23BX Chairman and Secretary directly follow the evolution of the standardization and the link with CCMC, especially in respect to the mandates relevant to CLC/TC 23BX. A report is given constantly to TC23BX and decision how to manage particular subjects are taken case by case.

## **D Objectives and strategies (3 to 5 years)**

### **D1 Objectives**

- To keep CLC/TC 23BX standards up to date to reflect new/changing technologies and user requirements both in the marketplace and customer IEC and ISO Technical committees.
- To prepare prompt answers to new legislation and the Mandates issued by the EU Commission.
- To keep CLC/TC 23BX standards in line with the essential requirements of the directives.
- To ensure development times for deliverables are achieved within the time scales set by the market.
- To fully support the market requests for comprehensive standards and respond to the need of all stakeholders in the frame of interpretation if any.

### **D2 Strategy**

- To create and or activate liaisons in order to be kept up to date about horizontal committees, component committees, end product committees and system committees evolutions.
- To coordinate the work between the different WGs in order to arrive at a consistent set of standards responding to the market need.
- To ensure that CLC/TC 23BX is represented in the different relevant coordination groups set up at CEN/CENELEC/ETSI level to ensure a follow up the evolution of legislation and mandates and the impact on CLC/TC 23BX standards.
- To follow closely the work done on IEC level in order to align as much as possible the evolution of European standards with the international ones in order to ensure easy market access in market outside the EU/CENELEC member countries.

## **E Action plan**

- CLC/TC 23BX has set up different WGs in order to have exchange of views on the major new topics.
- CLC/TC 23BX to coordinate the work by delegating the creation of product standards by the WGs responsible for the relevant product standards.

## **F Useful links to CENELEC web site**

TC home page giving access to Membership, TC/SC Officers, Scope, Publications, Work programme [password-protected area].

[http://www.cenelec.eu/dyn/www/f?p=104:7:225022383248841::::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:101,25](http://www.cenelec.eu/dyn/www/f?p=104:7:225022383248841::::FSP_ORG_ID,FSP_LANG_ID:101,25)

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