

CENELEC TC 59X	Secretariat Germany	Date 2020-12-09
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**CLC/TC 59X 'Performance of household and similar electrical appliances'****A Background**

The Technical Committee 59X prepares European Standards on methods of measurement of characteristics which are of importance to determine the performance of household and similar electrical appliances such as energy or water consumption, the efficiency of the appliance, noise emission etc.. These characteristics are of interest to the consumers, users, regulators and stakeholders.

A great proportion of the standards are Harmonised European Standards based on Standardization Requests from the EU Commission on energy labelling and ecodesign regulations.

Moreover, TC 59X is dealing with aspects related to the use of the appliances and aspects such as classification, accessibility and usability of appliances, ergonomic characteristics and information to be provided at the point of sale.

**B Business Environment****B.1 General**

TC 59X is structured in working groups and subworking groups (in total 34).

TC 59X is driven by national participants and experts, mainly from manufacturers, environmental and consumer organisations.

The work is subject to regulations and programmes of the EU Commission, especially in the field of energy labelling, ecodesign, climate and energy targets and EU policies such as the Green Deal. There are direct contacts to the desk officers, consultants and other responsible persons of the EU Commission.

Main work of TC 59X is generated at international IEC level (IEC/TC 59) thanks to the provisions of the Frankfurt Agreement between CENELEC and IEC. However, very often standards and other documents from TC 59X are transferred to IEC also.

Due to the fact that almost all work is related to measurement methods on regulated parameters the outcome of TC 59X work has big importance for the market access of manufacturers, the EU Commission and Member States.

**B.2 Market demand**

Standards from TC 59X are satisfying the needs of manufacturers, regulators, test houses and other stakeholders. Almost all standards are Harmonized European Standards following the needs of European legislation.

The European market requests test methods which are consumer relevant (i.e. reflect daily use), reliable, accurate and reproducible.

Attention is on commercial appliances as they are targeted for regulations also.

Material efficiency aspects are coming up and need to be adequately covered as well.

**B.3 Trends in technology**

Increasing usage of electronic components and software for control of the processes in the appliances is more and more influencing the work and creating maintenance work on existing standards.

More and more focus is on digitalization of economy and society. Smart technologies and interoperability of appliances are on the rise. Appliances are becoming more and more integrated in systems..

New interest is on battery-operated appliances and household robots where TC 59X is following up carefully the related work at international level.

## **B.4 Market trends**

Energy efficiency is the most important market trend. In this context, climatic change is an important factor. TC 59X is preparing reliable, accurate and reproducible methods. In this respect, procedures are to be prepared which reflect the normal use of appliances in the households.

The durability of the products or parts of the products is a new topic which has to be addressed by the standardisation. Measurement methods have to be developed to follow the requirements of the regulators.

## **B.5 Ecological environment**

Nearly all standardisation work of TC 59X has political focus and is subject to regulation in Europe.

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

Involved stakeholders are: Manufacturers, EU Commission, environmental and consumer organisations, test and research institutes, market surveillance authorities, manufacturer associations.

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

Household appliance industry is driven by companies operating at global scale. Nevertheless, small and medium enterprises are also involved in the work of TC 59X more and more. National committees are encouraged to consider increasing the involvement of SMEs.

## **C System approach aspects**

TC 59X is open for cooperation with other technical committees, associations, stakeholders etc. as this guarantees success in standardisation. Initiatives and requirements from the EU Commission, consumer organizations and stakeholders are welcome.

TC 59X has established several liaisons with other technical committees.

New tools for more efficient standardisation work are used in order to support system approach aspects also.

Coordination with other technical committees is necessary concerning new challenges on material (resource) efficiency aspects.

TC 59X collaborates with CEN-CENELEC Ecodesign Coordination Group.

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

Main objectives are

- Following the regulation activities of the EU Commission; preparation of Harmonized European Standards according to the Standardization Requests
- Integration of smart technologies / smart household appliances, battery-operated appliances and household robots
- Steadily improve measurement accuracy and reproducibility; systematic round robin testing
- Improve measurement methods to better fit to the real use and to avoid possible test circumventions
- Integrate material efficiency aspects

## **E Action plan**

- Points mentioned under D are to be integrated in work program of working groups
- Continue cooperation with CEN-CENELEC Ecodesign Coordination Group
- Assess present structure and work mode of the technical committee and its working groups and restructure if needed

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

[http://www.cenelec.eu/dyn/www/f?p=104:7:2536608616847001::::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:1257245,25](http://www.cenelec.eu/dyn/www/f?p=104:7:2536608616847001::::FSP_ORG_ID,FSP_LANG_ID:1257245,25)

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