

Economic Commission for Europe

Inland Transport Committee

25 October 2022

Working Party on the Transport of Perishable Foodstuffs

English

Seventy-ninth session

Geneva, 25-28 October 2022

Item 3 (c) of the provisional agenda

**Activities of other international organizations dealing
with issues of interest to the Working Party:****Standardization organizations**

**Report of the European Committee for Standardization
(CEN) activities****Transmitted by the Government of Germany****I. CEN/TC 413 WG 2**

Experts of Belgium, France, Italy, Ireland, Netherland, United Kingdom and Germany with other informal European Nations had few virtual meetings during the last 6 months.

EN 16440 – 1:2015-01: Testing methodologies of cooling equipment for insulated means of transport — Part 1: Mechanical refrigeration devices with forced air circulation evaporator with or without heating devices.
The final version was published in January 2015.

Following additional part is still under consideration:

Part 2: Eutectic Systems

The actual working draft is still under consideration for sending the modified version to a second CEN enquiry after the revision of the draft. Especially the test provisions for cooling capacities and consumption for new equipment's with eutectic systems as well equipment's in daily operation sequences were adopted and revised.

Draft and project will send for a new ballot after the re-activation to finalize the draft version of prEN 16440-2 and CEN Enquiry.

An additional part x: Special requirements on multitemp systems – is scheduled as a further project.

II. CEN/TC 413 WG 1

Experts of Belgium, France, Finland, Italy, Ireland, Netherland, United Kingdom and Germany with other informal European Nations had few virtual meetings during the last 6 months.

The scope of the project committee will be a standard with the title: “Insulated means of transport for temperature sensitive goods – requirements and testing”. The standard applies to thermally insulated means of transport used for temperature sensitive goods in order to limit the heat exchange to the external conditions. If certain temperatures have to be maintained, they could be additionally provided with a cooling and/or heating source. The actual decisions taking into account inside temperatures between – 30°C and + 25°C and ambient conditions between -30°C and +43°C

The standard is projected with different parts as:

EN 17066 Part 1: Container - Insulated means of transport for temperature sensitive goods – Requirements and testing to define the terminology, the specific requirements, test provisions, dimensioning of insulated bodies including evaluation of k value.

Final version is published Oct., 2019

prEN 17066 Part 2: Equipment - Combination of insulated bodies and their cooling and/or heating devices including verification of cooling and heating capacities for long distance transport as well distribution.

The actual working draft will send within the next months to an additional first CEN enquiry, looking for at least 5 participating nations.

prEN 17066 Part 3: Small containers for multiple use with an internal volume not more than 2 m³ - The special combination of smaller insulated bodies and their cooling and/or heating devices including verification of cooling and heating capacities.

The actual working draft will send within the next months to an additional first CEN enquiry, looking for at least 5 participating nations.

An additional part: Special requirements on multitemp systems – is scheduled as a further project.

The additional new

prEN 17893:2022: Thermal Road Vehicles - Safety Standard for temperature-controlled systems **using flammable refrigerants** for the transport of goods – Requirements

The actual working draft of this new work item is in the 1st CEN inquiry at the moment.

After the inquiries the related working groups of CEN/TC 413 will take in account the results of votes and received comments to each draft and they will be taken into consideration during the next meetings on Dec., 2022 /Jan. 2023 for finalization.

III. Revision of EN 12830

EN 12830:2018-10 - Temperature recorders for the transport, storage and distribution of temperature sensitive goods – Tests, performance, suitability.

The final version was published in October 2018.

IV. Revision of EN 13485 & EN 13486

The prEN 13485:2022 - Thermometers for measuring the ambient or internal temperature for the transport, storage and distribution of temperature sensitive goods - Tests, performance, suitability

The 1st CEN inquiry ended at Oct. 13th with positive results.

AND

prEN 13486:2022 - Temperature recorders and thermometers for measuring the ambient or internal temperature for the transport, storage and distribution of temperature sensitive goods - **Periodic verification**

The 1st CEN inquiry ended at Sept. 28th with positive results.

The CEN TC 423 will discuss and adopt received comments to both drafts at the next online meeting at Nov. 28th & 29th, 2022.

V. Further Activities

Information on Korean projects in ISO/TC 122 "Packaging"

The two Korean projects within ISO/TC 122/WG 16 "Temperature controlled product packaging", (Convenorship: Korea) are published:

• **ISO 22982-1:2021-03**: - Transport packaging — Temperature-controlled transport packages for parcel shipping — Part 1: General requirements

and

• **ISO 22982-2:2021-03**: - Transport Packaging — Temperature controlled transport packages for parcel shipping — Part 2: General specifications of testing.

Information on the NEW Japanese project in ISO/TC 315 "Cold chain logistics"

The new Japanese projects within ISO/TC 315 will develop a new ISO standard with the title "General requirements and temperature validation methods of temperature-controlled storages and road vehicles",

See INF 6