**Economic Commission for Europe**

Inland Transport Committee

**6 October 2016**

**Working Party on the Transport of Perishable Foodstuffs**

**Seventy-second session**
Geneva, 4-7 October 2016
Item 3 (c) of the provisional agenda
**Activities of other international organizations dealing with issues of interest to the Working Party:**
**European Committee for Standardization (CEN)**

# Report of the CEN activities

## Transmitted by the CEN/TC 413 WG 1&2 & CEN/TC 423 "Insulated means of transport for temperature sensitive goods — Equipment"

## I. CEN/TC 413 WG 2

Experts of France, Italy, United Kingdom and Germany with other informal European Nations had several meetings and working group meetings during the last 12 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 witout heating devices.

The final version was published in January 2015.

Following additional parts will be under consideration:

Part 2: Eutectic Systems

The actual working draft is still under consideration for the final version, especially the test provisions for cooling capacities and consumption for new equipment's with eutectic systems as well equipment's in daily operation sequences.

Part 3: Transport refrigeration systems with dry ice

Part 4: Controlled gas refrigeration systems with direct evaporation.

This part of should be rejected because there are no market for those.

Part 5: Controlled gas refrigeration systems with indirect evaporation

An additional part 6: Special requirements on multitemp systems – is scheduled as a further project.

## II. CEN/TC 413 WG 1

Experts of France, Finland, Italy, Slovak Republic, United Kingdom and Germany with other informal European Nations had started the business in Dec. 2011 followed by several meetings and working group meetings during the year.

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 a 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:

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.

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.

Part 3: Small containers for multiple use with an internal volume not more than 2 $m^3$

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

The actual business will be taken into consideration during the next meeting end of Oct. 2016 in Berlin.

# III. Revision of EN 12830

Revision of the EN 12830:1999 – Temperature recorders for the transport, storage and distribution of chilled, frozen, deep-frozen/quick-frozen food and ice cream – Tests, performance, suitability. The CEN/TC 423 PC Means of measuring and/or recording temperature in the cold chain is working on the adoption of the standard to the actual state of art on the market. Several meetings were held in Madrid, Padua, Berlin and Paris with experts from France, Germany, Italy and Spain with others interested nations. It should take into account actual technical developments and requirements. The scope of the revised standard should be increased to the temperature range from – 80 to + 85°C for temperature sensitive goods in the cold chain. The draft version was published for commenting in August 2016. Within the next meetings the received comments will be discussed and adopted to the revised version.