EMEE Ex. 10

Determination of the quantity of goods exchanged in the ES for customers of categories C and D with type "C" measurement (integral).

Objective: To determine the quantity of exchanged goods in 1 day.

Basic information:

- Under market conditions, the product is exchanged between at least two parties, between the supplier and the consumer.
- In a market economy, these parties meet in a market.
- The place where the shift takes place is the connection of the collection / delivery (coupling) points - CP.
- The customer must always be able to define how many goods he wants to buy. In the case of the ES, these goods are power electricity, the quantity of which is defined by the Load Diagram for the specified consumption time T [hours].
- Category "C" measuring devices are electricity meters that are able to continuously measure only the amount of delivered / consumed work passing through the CP.
- The vast majority of electricity suppliers / customers at the LV level are equipped with these devices.
- Therefore, an alternative method of LD detection is used, which is the method of Typical LD connection points on LV.
- Nevertheless, these diagrams must be measured - standardized for groups of customers with approximately the same nature of consumption / delivery.
- The measured diagrams must be corrected by the trend component of this time series, which is the real average daily temperature on the day of TDD application.

Example:

1. ***Display the TTD3 type diagram for the selected month.***
2. ***Calculate the temperature coefficients for the selected month.***
3. ***Calculate the temperature coefficients for the selected month.***

2. **Solution:**
   - The solution can be implemented using the website of the Electricity Market Operator for CZ (OTE), which organize market with electricity: https://www.ote-cr.cz/ - English.
   - The methodology is also available on this site:
     i. Utilisation of TDD,
     ii. Recalculation of TDD on outside temperature (only Czech),
   - This methodology are enclosed to this exercise.
     i. TTD.doc
     ii. Metodika_teplotnich_prepoctu_TDD.doc

ESF II project of the University of West Bohemia in Pilsen, reg. number: CZ.02.2.69/0.0/0.0/18_056/0013239