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Industry information 04/23: Electric cars without data on energy consumption

This information sheet shows how to deal with electric cars that do not have consumption values in the IVI (Initial Vehicle Information) database. Its aim is to ensure transparent customer information and to guarantee a vehicle's eligibility for registration.

Background

Electric cars without consumption values were first entered in FEDRO's IVI database in December 2022. These are BEV (Battery Electric Vehicle) models of the M1 class (passenger cars with a maximum of eight seats) which, due to their high unladen weight (reference mass >2,610 kg), are homologated in accordance with Regulation (EC) No 595/2009. On the basis of forthcoming launches and the growing electrification of vehicle fleets, it can be assumed that the number of electric cars affected will continue to increase.

Under current EU legislation, models homologated according to Regulation (EC) No 595/2009 do not have to have consumption measured according to the WLTP. On the basis of this legislation, Germany's Federal Motor Transport Authority (KBA), for example, does not allow consumption values for these models to be entered in the official Certificate of Conformity (CoC) documentation. It is therefore not possible for manufacturers to enter consumption values in the CoC documentation as part of the type-approval procedure. This is a known issue in the EU and possible solutions are being discussed.

FEDRO obtains vehicle homologation data from the European database EUCARIS, which shows the official CoC values. The 'Consumption' data field remains empty for models measured under Regulation (EU) No 595/2009. Consumption values cannot be manually adjusted in FEDRO's IVI database.

Objective

This industry information sheet shows how customers can still be provided with transparent information and how vehicles can be approved for circulation. This procedure refers **exclusively** to BEV models homologated according to Regulation (EU) No 595/2009 and for which no consumption values are available in IVI.

Procedure

Provisional values may be used for declaring energy consumption on the basis of No 1.3 of Annex 4.1 of the Energy Efficiency Ordinance (EnEO). These provisional values can then be used to manually create a provisional energy label in accordance with No 4.7.3 in conjunction with No 4.7.2 of Annex 4.1 EnEO.

If the manufacturer determines consumption values according to WLTP, the energy efficiency category must be calculated using these values to create an energy label. An integrated solution is not possible because the SFOE energy label tool obtains the data directly from IVI.

Users have the following options for calculating the energy efficiency category:

- Using an online tool to manually create a **provisional energy label** (only possible with a login, which can be requested from the SFOE at ee-pw@bfe.admin.ch)

- **Calculating** the 2023 energy efficiency category by using the **Excel document** on the SFOE website

The SFOE reserves the right to request the documents containing the consumption values from the importers. This is to ensure that the correct data is used.

If no manufacturer's data is available for a model, the data can be determined by bench testing. The importer bears the costs incurred.

Questions

If you have any questions, please feel free to contact us at the following email address: ee-pw@bfe.admin.ch