



EUROPEAN COMMISSION

DIRECTORATE-GENERAL FOR INTERNAL MARKET, INDUSTRY, ENTREPRENEURSHIP
AND SMES

Ecosystems III: Construction, Machinery and Standardisation

H.2 – Machinery & Equipment

Brussels

[REDACTED]

I refer to your letter concerning the applicability of the Measuring Instruments Directive (Directive 2014/32/EU) to active AC and DC electrical energy meters. I would like first to apologise for the belated reply.

We concur that the electrification of the vehicle fleet will contribute to the objective of the European Green Deal. For this reason, it is important to clarify the applicability of Article 2 in conjunction with Annex V of Directive 2014/32/EU to DC meters in particular when used in vehicles charging stations.

As such we conducted a thorough examination of the legal provisions to clarify this matter involving also the Legal Service of the Commission.

Article 2 of the Directive defines the scope with reference to Annex V (MI-003) concerning active electrical energy meters. Annex V further specifies that the requirements are for ‘active electrical energy meters intended for residential, commercial and light industrial use’. No distinction is made in between AC and DC meters in either the text or the explanatory memorandum of the Directive. It can be concluded that the Directive neither excludes DC meters nor restricts the scope to AC meters.

It is to be noted though that Annex V refers to “meters” not to “measuring systems”. Therefore, while stand-alone meters used in vehicle charging stations are not excluded from the scope of the Directive, the same cannot be concluded for the charging stations as a whole or for charging stations with a built-in metering function.

Also, the fact that meters used in electric vehicle charging stations would fall under the MID does not necessarily mean that there are no issues to be examined at technical level as far as the essential requirements are concerned. Considering the ongoing evaluation of the metrology Directives this issue is to be further explored involving the Measuring Instrument Working Group at EU level.

I hope this information is useful.

Yours faithfully,

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C.C.:

