



Agenda Item 9.1.2.6:

Project proposal: New Guide and Recommendation

Electric vehicle charging systems

Annex C.2 to OIML B 6-1: Proposal for a new project

	Proposal for a new project Within: TC 12 SC - Date: 2021-09-30
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Proposer(s) (Add line if required):

Name: Robert Lambregts	Country: The Netherlands	Organisation: Radiocommunications Agency
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Proposed convener(s)*:

Name: Matthijs van der Wiel	Country: The Netherlands	Organisation: Radiocommunications Agency
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Type of proposed publication: New Revised

Recommendation Document Basic Vocabulary Guide

Title of proposed publication:

Electric vehicle charging stations

Terms of reference of the project, including detailed time frame in accordance with the provisions specified in B 6-1, 6.2:

The existing subgroup, TC 12 / p 1 / subgroup 2, is poised to publish a Guide on very short timescales, well within one year. This task would be continued by the project group TC 12 / p 2 under consideration here. In addition, the TC 12 / p 2 will develop a separate OIML Recommendation on EV charging systems, including all mandatory parts as specified in B 6-1, 6.3. This deviates from the original track of writing an Annex to include into R 46.

Why should the OIML develop this publication?

The project group TC 12 / p 1 has existed since 2016, with a mandate to revise OIML R 46:2012 on active electrical energy meters and to consider requirements for applications including individual device metering, DC metering and electric vehicle charging. Within this project, a subgroup has been working to produce requirements for Electric Vehicle (EV) charging systems to be included in the new R 46. Following various online meetings and discussions over the past year, the subgroup has developed draft requirements for EV charging systems. In the plenary meeting for the project group held in May 2021, the inclusion of these requirements as an Annex to OIML R 46: 2012 edition was discussed.

In the meantime, worldwide developments in the area of EV charging are proceeding at a rapid pace, leading to various, diverging initiatives by individual economies to develop national or regional metrology regulation for EV charging stations. Legislators and manufacturers are in need of clarity, and would benefit from international harmonization. The risk of being overtaken by the needs of the market and of legislators has put significant pressure on OIML TC 12 / p 1 / subgroup 2 to quickly publish a document on the subject.

While the subgroup is moving toward a publication of an OIML Guide on very short time scales (as soon as practicable), it has become apparent that the appropriate course of action would be to develop a separate OIML Recommendation on EV charging systems, including all mandatory parts, as opposed to following the original track of writing an Annex to include into R 46.

The proposal is to convert the currently existing TC 12 / p 1 / subgroup 2 into a new project group directly under TC 12. It is also expected that participation in the newly formed project group will be reaffirmed and reconfirmed (based on the current TC 12 / p 1 / subgroup 2) once the project group has been set up. The main advantage would be that the product from the newly formed project group could advance on its own, faster timeline. The new project group would function completely under the existing mandate of the R 46 revision,

which included plans to develop recommendations for EV charging systems (See Addendum 9.1.2.7 to the agenda of the 51st CIML meeting). The only difference compared to the current situation would be an administrative separation between the project group working on EV charging systems and the project group working to revise the rest of R 46. Notably, the latter is a task of considerable breadth and extent even if EV charging is left out of the equation.

This project proposal is supported by Australia, who provides the Secretariat for TC 12 and convenorship for OIML TC 12 / p 1, and by the current chair of the EV charging subgroup, Henri Schouten.

Countries/Economies known to, or intending to apply this publication, if applicable:

Many countries are rapidly increasing the pace of installation of EV charging stations and have urgent need for international regulatory guidance in this area.

Relevant associated OIML publications:

OIML R 46: 2012

List of appropriate liaisons and their work related to this proposed project (include supporting documentation as necessary and reference it here):

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* As the CIML Member(s) of the Country(ies) holding the convenership of this project, I/we recognise the importance of TC/SC/PG secretariat/convenership work and will make available the resources to ensure the work on the publication is completed in a timely and professional manner in accordance with the provisions in OIML B 6-1 and the detailed time frame as part of this proposal.

Signature(s):

Robert Lambregts