



**Agenda item 10.1.2.3**

**Project proposal for the revision of**

***R 142-Automated refractometers: Methods and means of verification***

**Addendum****54 CIML Addendum 10.1.2.3**

2019-07-16

	Proposal for a new project			
	Within:	TC	17	SC 2
	Date:	2018/05/05		
Proposer(s):				
Iran				
Proposed convener(s):				
Dr. Farzaneh Khoshnam				
Type of proposed publication:			New	<input checked="" type="checkbox"/> Revised
<input checked="" type="checkbox"/>	Recommendation		Document	<input type="checkbox"/> Vocabulary <input type="checkbox"/> Guide
Title of proposed publication:				
R 142 - Automated refractometers: Methods and means of verification				
Terms of reference of the project, including detailed time frame (approximate dates by which e.g. 1WD, 1CD, FD and project completion are expected – see also explanation in 6.2):				
To revise the existing R 142 in the light of new technological developments				
To re-arrange R 142 into the following parts:				
Part 1 – Metrological and technical requirements,				
Part 2 – Test procedures,				
Part 3 – Test report format				
Why should the OIML develop this publication?				
OIML R 142 is now ten years old and revision is necessary to address new challenges concerning Requirements for software-controlled devices and security in legal metrology. It is important that a harmonized approach is taken across all OIML Recommendations like R146 and R 59.				
Also, it is needed to review types of refractometers that are given in this Recommendation; Metrological and technical requirements should be completed ( for example: Zero setting, Maximum permissible errors, Accuracy and precision requirements, Marking, ...)				
The other usages of refractometers and some metrological terms should be added;				
Requirements for software-controlled devices and security should be added.				
Countries known to regulate or to be intending to regulate this subject, if applicable:				



**Addendum**

**54 CIML Addendum 10.1.2.3**

2019-07-16

This is the most commonly regulated measuring instrument worldwide and the most widely used OIML Recommendation.

Relevant associated OIML publications:

R 142 makes reference to the VIM, VIML, D 31 and D 11.

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

ISO, IEC