



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

OIML TC 8/SC 6/p 1/NO10

May 27, 2016

MEMORANDUM FOR P- and O- Members and Liaisons of TC 8/SC 6/project 1 (R 81)

JW
From: Juana Williams for Dr. Charles D. Ehrlich
Physical Scientist, Legal Metrology Devices Program

Subject: Draft Distribution for Comment - First Committee Draft (1CD) OIML Recommendation (R) 81
on "Dynamic measuring devices and systems for cryogenic liquids"

Dear Project Group Members and Liaisons,

A revision of the 1998 edition of OIML Recommendation 81 resulted in a 1 WD that was distributed for your review and comment. Attached is a list of comments received by September 2013 that were incorporated into a 1 CD of R 81. Please review and comment on the 1 CD using the single form that is part of this mailing for all comments on Part 1 and Part 2 of the 1 CD. A clean copy of the 1 CD is part of this mailing to assist you in your review. Please return your completed comment form along with any materials you recommend for including in the draft **by 06 September 2016 by email to: juana.williams@nist.gov.**

OIML R 81 applies to all devices used for the continuous measurement of cryogenic liquids such as, but not limited to argon, ethylene, hydrogen, nitrogen and oxygen. The 1 CD was drafted in accordance with CIML Resolution No. 2014/16 approving a new project in TC8/SC3; the revision of all parts of R 117 Dynamic measuring systems for liquids other than water, to include requirements and test procedures for measuring systems for liquefied natural gas (LNG). Please note that Annex B Tables of density for liquid argon, helium, hydrogen, nitrogen and oxygen based on NIST Standard Reference Database 23 NIST Reference Fluid Thermodynamic and Transport Properties Database (REFPROP23): Version 9.0 (2010) will be updated in the 2 CD to reflect enhancements in version 9.1 (2013) of REFPROP23. A separate draft publication will be developed at a later date for Part 3: Report format for type evaluation that will revise the current 2006 edition of Test Report Annex D for R 81.

Please contact me by email at: juana.williams@nist.gov, by telephone at: 301.975.3989, or by fax at: 301.975.8091 if you have questions or difficulty opening the documents.

Attachments (4)

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