



Our ref.: OBS/OSD/IMO/ISO-28902 (2)

GENEVA, 17 November 2016

Subject: Draft text of the common WMO/ISO standard on Ground-based remote sensing of wind by heterodyne pulsed Doppler lidar

Actions required: To review and provide the WMO Secretariat with your feedback on the proposed draft text of the common WMO/ISO standard, and its inclusion in the *Guide to Meteorological Instruments and Methods of Observation* (CIMO Guide), **not later than 2 February 2017**

Dear Sir/Madam,

The Agreement on Working Arrangements between the World Meteorological Organization (WMO) and the International Organization for Standardization (ISO) enables the development and publication of common WMO/ISO standards.

I am pleased to inform you that a draft new common WMO/ISO standard on Ground-based remote sensing of wind by heterodyne pulsed Doppler lidar is now available for your review. The draft text was developed by the ISO Technical Committee (TC) 146, Air quality, Subcommittee (SC) 5, Meteorology, in close collaboration with the experts of the Commission for Instruments and Methods of Observation (CIMO). The CIMO experts and the CIMO Management Group support the publication of the proposed standard.

This proposed document specifies the requirements and performance test procedures for heterodyne pulsed Doppler lidar techniques and presents their advantages and limitations. It addresses manufacturers of heterodyne pulsed Doppler wind lidars as well as bodies testing and certifying their conformity. The document also provides recommendations for the users to make adequate use of these instruments.

Following the Agreement on working arrangements between WMO and ISO, the resulting common standards will be published by ISO as *ISO 28902-2:2016(E)* international standard, and by WMO as an annex to Part II, Chapter 5 of the *Guide to Meteorological Instruments and Methods of Observation* (WMO-No. 8, CIMO Guide). These two separate documents will have identical content.

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO (PR-6940)  
Members of the Commission for Instruments and Methods of Observation (CIMO-179)cc: Hydrological Advisers to Permanent Representatives )  
Presidents and vice-presidents of technical commissions)  
Presidents of regional associations ) (for information)  
Director General, ASECNA )  
Executive Secretary, HMEI )

Please note that in the context of the Working Arrangements between WMO and ISO, the word "standard" is meant as defined by ISO/IEC Guide 2:2004<sup>1</sup>. In this context, an ISO standard is a document describing a procedure to be followed, and does not have the meaning of a WMO standard practice that requires Members to implement it. ISO standards are voluntary, as long as they are not stated in regulatory documents, such as the WMO Technical Regulations and Manuals. The standard mentioned above is intended to be published in the CIMO Guide only and consequently has the status of a practice/procedure that Members are **invited** to follow.

As common standards shall not be published until WMO and ISO have both provided their approval, I kindly invite you to review and provide your feedback on the draft text to the WMO Secretariat, for attention of Dr Isabelle Rüedi (H/IMO), preferably by e-mail: [iruedi@wmo.int](mailto:iruedi@wmo.int), **at your earliest convenience but not later than 2 February 2017**. In your response please indicate whether you have no objection, or whether you are providing comments that could be addressed in the next edition of the standard, or you are making an objection to its publication.

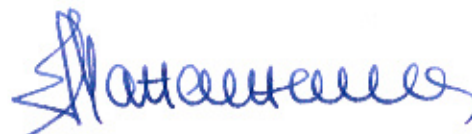
The draft text is available, in English only, on the WMO website at: [http://www.wmo.int/pages/prog/www/IMOP/ISO/ISO\\_28902-2\\_\(E\)\\_For\\_Members\\_Review.pdf](http://www.wmo.int/pages/prog/www/IMOP/ISO/ISO_28902-2_(E)_For_Members_Review.pdf)

I wish to inform you, that according to the WMO General Regulation 77, the president of CIMO may approve the proposed text to be included in the CIMO Guide on behalf of CIMO, in case no objections to the draft text are received from Members by the conclusion of the mandatory 90 day review period. The president of CIMO has indicated his intent to do so.

I trust that the proposed document will provide, as a part of the CIMO Guide, practices, procedures and specifications to help you, as Members, in further strengthening of your services.

I wish to thank you for your valued contribution to WMO and its activities.

Yours faithfully,



(E. Manaenkova)  
for the Secretary-General

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<sup>1</sup> According to ISO/IEC Guide 2:2004 a standard is a document, established by consensus and approved by a recognized body, that provides, for common and repeated use, rules, guidelines or characteristics for activities or their results, aimed at the achievement of the optimum degree of order in a given context.  
NOTE: Standards should be based on the consolidated results of science, technology and experience, and aimed at the promotion of optimum community benefits.