



ACCREDITATION COMMISSION FOR CONFORMITY ASSESSMENT BODIES

CAB Accreditation Policy Document

Document Title: Policy on Traceability Of Measurement Results

Document Number: ACCAB-CAB -3.0

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Revision Number	Revision Date	Paragraph Number	Description of Revision	Revision Author

1.1	Purpose:	
1.1.1	The purpose of this policy is to ensure that ACCAB accredited testing and calibration laboratories address their metrological traceability requirements from ISO/IEC 17025:2005 and ISO 15189:2012 and ILAC P 10:01/2013 ILAC Policy on the Traceability of Measurement Results.	
1.2	Scope:	
1.2.1	This policy is applicable to testing and calibration laboratories and medical laboratories.	
1.2.2	This policy also applied for other conformity assessment activities where testing and/or calibration is involved (e.g., inspection and product certification).	
1.3	Definitions:	
1.3.1	Metrological traceability:- In ISO/IEC 17025:2005 and ISO 15189:2012 the term “traceability” is equivalent to the VIM’s “Metrological traceability” and the term “traceability” is used throughout this document.	
1.4	Details:	
1.4.1	ACCAB accredited testing and calibration laboratories shall have an establishment plan of calibration of the measuring instruments and reference standards.	
1.4.2.	ACCAB accredited conformity assessment bodies shall ensure that all measurement standards, measurement instruments and measurement equipment used which have a direct significance and impact on the quality of measurement results are calibrated by the National Metrology Institutes (NMI)/ National Measurement Standards Laboratories or by an ISO/IEC 17025:2005 Accredited Laboratories or by other Laboratories that assure traceability with the internationally recognized Primary Measurement Standards (SI Units).	
1.4.3	ACCAB accredited conformity assessment bodies should accept calibration performed by the foreign laboratories that are able to confirm traceability of measurements to internationally recognized primary measurement standards or by laboratories that have been accredited by accreditation bodies that are signatories of International Multilateral Agreement in calibration field.	
1.4.4	ACCAB accredited laboratories shall ensure that traceability in chemical measurements by using (were relevant) Certified Reference Materials (CRMs) or Reference Materials (RMs) that is acquired from an established/competent Reference Material producer, Manufacturer’s traceability certificate will be sufficient.	
1.4.5	ACCAB accredited laboratories shall ensure that a material with suitable properties and stability is selected and its uncertainty is estimated and used in laboratory as RM where CRMs and RMs are not available.	
1.4.6	ACCAB accredited laboratories shall provide satisfactory evidence of correlation of results by participating in Proficiency Testing and/or Internal Quality Control where it uses traceability to specified methods and / or consensus standards that are expressed clearly and agreed by the parties conducted.	
1.5	References:	
1.5.1	Details	Document Number
1.5.1.1	International Vocabulary of Metrology	VIM, 3rd edition, JCGM 200:2012
1.5.1.2	General requirements for the competence of testing and calibration laboratories	ISO/IEC 17025:2005
1.5.1.3	Guidelines for the determination of calibration intervals of measuring instruments.	ILAC-G24:2007
1.5.1.4	General Requirements for the competence of reference material procedures	ISO Guide 34:2009