

	<b><i>American Association for Laboratory Accreditation</i></b>	
	<b>C207b: Annex to Specific Checklist: Calibration Measurement Uncertainty Software</b>	<b>Document Issued: December 19, 2011</b>
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The following pages present *R205b – Annex to Specific Requirements: Calibration Measurement Uncertainty Software* in checklist format. **All laboratories seeking accreditation in the Calibration field must meet these specific requirements, in addition to the general requirements contained in ISO/IEC 17025: 2005.**

This annex provides the additional requirements for an accredited calibration organization that elects to use measurement uncertainty software developed by the Original Equipment Manufacturer (OEM) or other organization to support their Calibration and Measurement Capabilities (CMC) claims on their Scope of Accreditation. When the following requirements are met accredited measurement uncertainty software is allowed to be used in lieu of creating a traditional uncertainty budget in order to meet the requirements of *R205 - Specific Requirements - Calibration Laboratory Accreditation Program Section 4.3.4*. An organization utilizing this approach is still required to meet all other applicable requirements of ISO/IEC 17025:2005, A2LA Requirements and A2LA Policies. **The requirements of this document are optional and only apply if a laboratory wishes to utilize software to support the CMC claims on their Scope of Accreditation as stated above.**

***A2LA Assessor Instructions:** Review the laboratory's documented quality system to verify compliance with the applicable documentation requirements. Assess to verify that the documented quality system is indeed implemented as described. Place a tick mark in the yes (Y), no (N) or not applicable (NA) space for each requirement. **Please note that for all N/A indications, you must document the reason why this requirement is N/A in the comments section.** Record comments related to any requirement on the space provided. Assess the laboratory's technical competence to perform specific calibrations or specific types of calibrations. Record comments related to calibrations on **A312 – Method Matrix: ISO/IEC 17025**. All deficiencies must be identified and explained in the assessor deficiency report.*

To the best of my knowledge, all laboratory document references below as well as actual laboratory practices have been assessed for compliance with the relevant clauses of R205b - Annex: Specific Requirements: Calibration Measurement Uncertainty Software. Any areas of noncompliance have been fully described in the Assessor Deficiency Report.

<b>CAB Name:</b>			
<b>Address:</b>			
<b>Contact:</b>			
<b>Phone:</b>		<b>Email:</b>	
<b>Master Code:</b>		<b>Assessment ID:</b>	
<b>Certificate(s):</b>		<b>Conformity Standard:</b>	
<b>Assessment Dates:</b>		<b>Assessment Type:</b>	
<b>Assessor(s):</b>		<b>Assessor Signature(s):</b>	
<b>AcO:</b>			

Requirement	Reference	{RESERVED FOR A2LA ASSESSORS ONLY}			Comments
		Compliance			
		Y	N	NA	
<b>R205b - Annex: Specific Requirements: Calibration Measurement Uncertainty Software - Optional</b>					
1. The software used to calculate the measurement uncertainty values must be accompanied by an accredited test report from an IT testing organization accredited to ISO/IEC 17025 by a mutually recognized Accreditation Body whose Scope of Accreditation includes measurement uncertainty software testing.					
2. The measurement uncertainty results calculated by the software must match the Calibration and Measurement Capability (CMC) being claimed on the organization's scope of accreditation.					



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Requirement	Reference	{RESERVED FOR A2LA ASSESSORS ONLY}			Comments
		Compliance			
		Y	N	NA	
3. The organization s the proper equipment and maintain the proper environmental conditions as required by the specifications/tolerances of the software and must document and retain records of compliance.					
4. The organization must have properly trained personnel that are competent to use calibration system consisting of software and equipment for all calibration parameters on the scope of accreditation for which the software is being used to calculate the CMC claims on the laboratory's scope of accreditation. Records of training and authorization shall be retained.					
5. In cases where all CMC values claimed on the organization's scope of accreditation are entirely supported by accredited measurement uncertainty software for all parameters within a single discipline, the organization must produce, upon request, at least one measurement uncertainty calculation and accompanying data in order to demonstrate technical competence for calculating measurement uncertainty.					



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Requirement	Reference	{RESERVED FOR A2LA ASSESSORS ONLY}			Comments
		Compliance			
		Y	N	NA	
6. If the software requires that the laboratory input items that contribute to the calculation of the CMC values (e.g. environmental conditions, repeatability study results, etc.) the assessor will review those items during the assessment process to ensure that they are correctly calculated and input into the system. If these items cannot be correctly input by the laboratory utilizing the software then the software cannot be used by the laboratory to support the CMC claims on their Scope of Accreditation.					
7. If updates or different versions of the software are produced they may only be used if they are accompanied by accredited test report from an A2LA accredited IT testing organization whose Scope of Accreditation includes measurement uncertainty software testing.					
8. When a new version of the accredited software or an update to the software is made the laboratory must verify that the calibration system functions correctly. Similarly if the laboratory replaces a piece of equipment in the calibration system or a piece of the equipment in the calibration system is calibrated and put back into the system, the laboratory must verify that the calibration system functions correctly.					

Requirement	Reference	{RESERVED FOR A2LA ASSESSORS ONLY}			Comments
		Compliance			
		Y	N	NA	
9. In order to meet the requirements of the current version of ANSI Z540.3 section 5.3.b, a laboratory may utilize software that is accompanied by an A2LA accredited IT Testing Laboratory's test report with out any further documentation. The test report must be from an accredited organization whose scope of accreditation contains testing of software to meet the requirements of ANSI Z540.3 section 5.3.b.					

### Document Revision History

Date	Description
12/19/2011	Added CAB Information Block