



Pancyprian Union of Chemists
Division of Quality Assurance
Eurachem Cyprus Committee



Laboratory Accreditation

A Two-Day Training Workshop

ISO/IEC 17025 and ISO 15189 – *Experiences and challenges of implementing the revised accreditation standards*

12-13 March 2025

Cleopatra Hotel, Nicosia, Cyprus

Day 1 – Wednesday 12 March 2025	
08:30 - 09:00	Registration and refreshments
09:00 - 09:30	Introductory session <ul style="list-style-type: none">– Welcome address by Eurachem Chair (<i>Eugenia Eftimie Totu</i>) and the Pancyprian Union of Chemists (PUC) (<i>Leontios Philotheou</i>)– Introduction to Education & Training Working Group (ETWG) activities (<i>Vicki Barwick</i>)– Introduction to the Division of Quality Assurance of PUC (<i>Kyriacos Tsimillis/Despina Charalambous</i>)– Presentation of the tutors and the participants– Introduction – Scope and expectations of the training
09:30 - 09:45	An overview of the new issues addressed in the standards (<i>Despina Charalambous</i>)
09:45 - 10:30	Risk-based philosophy (ISO/IEC 17025, ISO 15189) – Examples of risk scenarios (<i>Alice Mosca</i>)
10:30 - 11:00	Risk assessment: The views of the laboratories – The practice of National Accreditation Bodies (<i>Discussion – led by Alice Mosca</i>)
11:00 - 11:30	<i>Coffee break</i>
11:30 - 12:15	Measurement uncertainty arising from sampling; working examples on ISO/IEC 17025 and ISO 15189 requirements (<i>Mike Ramsey</i>)
12:15 - 13:00	Exercise 1: Measurement uncertainty arising from sampling (<i>Mike Ramsey</i>)
13:00 - 14:00	<i>Lunch</i>
14:00 - 14:15	Feedback on Exercise 1

14:15 - 15:00	Practical use of precision and trueness data for uncertainty evaluation (Steve Ellison)
15:00 - 15:30	Coffee break
15:30 - 16:15	Reference materials selection and use (ISO 33403) – The progress of the Eurachem Guide (Marina Patriarca)
16:15 - 17:00	Posters Session – short oral presentations
17:00	End of Day 1
20.00	Dinner

Day 2 – Thursday 13 March 2025	
09:00 - 09:45	QA in the academic and research laboratories – Is there a need for a revised Eurachem Guide on R&D (Eugenia Eftimie Totu)
09.45 - 10.30	Interpretation of the metrological traceability statements in the certificates, according to ISO/TR 16476 (Marina Patriarca)
10.30 - 11.15	Validation of Measurement Procedure that includes Sampling (VaMPIS): A new Eurachem Supplementary Guidance (Mike Ramsey)
11.15 - 11.45	Coffee break
11.45 - 12.15	Use of uncertainty in conformity assessment (Steve Ellison)
12:15 - 13:00	Exercise 2: Use of uncertainty in conformity assessment (Steve Ellison)
13:00 - 14:00	Lunch
14:00 - 14:15	Feedback on Exercise 2
14:15 - 15:00	Quality assurance issues in the university syllabus (Kyriacos Tsimillis and Despina Charalambous)
15:00 - 15:30	Coffee break
15:30 - 16:00	Update on Eurachem guidance (Vicki Barwick) – Revision of the Guide to Quality in Analytical Chemistry – Revision of the Guide to the Fitness for Purpose of Analytical Methods – The Eurachem Reading List
16.00 - 16.20	How can the Accreditation for Microbiological Laboratories (AML) Guide help microbiological and medical laboratories? (Despina Charalambous)
16:20 - 16.45	Presentation of participants' experiences – Posters (short oral presentations)
16.45 – 17.00	Concluding remarks and presentation of certificates
17:00	Close of course