



A focus for analytical chemistry in Europe



Pancyprian Union of Chemists
Division of Quality Assurance
Eurachem Cyprus Committee

email: qualityassurancepuc@gmail.com

Laboratory Accreditation

A TWO-DAY TRAINING COURSE - CRITICAL ISSUES OF THE ACCREDITATION STANDARDS - ISO/IEC 17025:2017 AND ISO 15189:2012

21st -22nd February 2019

Cleopatra Hotel, Nicosia, Cyprus

Day 1 – Thursday 21 February 2019

09.00 - 09.40	Welcome addresses by <ul style="list-style-type: none">- <i>Constantina Kapnissi-Christodoulou (PUC-Division of QA)</i>- <i>Leontios Philotheou (Chair PUC)</i>- <i>Marina Patriarca (Chair Eurachem)</i> Presentation of the tutors and the participants
09.40 - 10.20	Introduction – Scope and expectations of the training The new standard ISO/IEC 17025:2017 - A comparison with ISO 15189:2012 - an overview - Some critical issues <i>Kyriacos Tsimillis - Despina Charalambous</i>
10.20 – 11.00	Uncertainty from sampling <i>Ricardo Bettencourt da Silva</i>
11.00 - 11.30	<i>Coffee break</i>
11.30 – 12.10	Exercise 1 : Uncertainty from sampling
12.10 - 12.20	Discussion on Exercise 1
12.20 – 13.00	The use of reference materials in demonstrating metrological traceability – Reference to ISO 17034 <i>Marina Patriarca</i>
13.00 - 14.00	<i>Lunch break</i>

14.00 - 14.40	Risks and opportunities in ISO/IEC 17025:2017 and ISO 15189:2012 <i>Kyriacos Tsimillis</i>
14.40 – 15.20	Interlaboratory comparisons – Proficiency testing schemes – Reference to ISO/IEC 17043 <i>Brian Brookman</i>
15.20 – 15.50	<i>Coffee break</i>
15.50 – 16.40	Interlaboratory comparisons – Proficiency testing schemes: Laboratories present their experience, problems and solutions <i>(coordinated by Brian Brookman)</i> - construction materials (mechanical testing) - analytical laboratory - microbiological testing - non-destructive testing - medical laboratory
16.40 - 17.00	Discussion
17.00	<i>End of Day 1</i>
20.00	<i>Dinner</i>

Day 2 – Friday 23 February 2018

09.00 – 09.40	The use of reference materials in internal quality control <i>Marina Patriarca</i>
09.40 – 10.30	Reference materials - Laboratories present their experience, problems and solutions <i>(coordinated by Marina Patriarca)</i> - construction materials (mechanical testing) - analytical laboratory - microbiological testing - non-destructive testing - medical laboratory
10.30 – 11.00	<i>Coffee break</i>
11.00 – 11.40	The use of a decision rule <i>Ricardo Bettencourt da Silva</i>
11.40 – 12.20	Exercise 2 : The use of a decision rule
12.20 – 13.00	New publications on proficiency testing schemes <i>Brian Brookman</i>

13.00 - 14.00	Lunch break
14.00 - 14.10	Discussion on Exercise 2
14.10 – 14.50	Target uncertainty <i>Ricardo Bettencourt da Silva</i>
14.50 – 15.20	Coffee break
15.30 - 16.00	Exercise 3 : Target uncertainty
16.00 – 16.30	Discussion on Exercise 3
16.30 -17.00	Concluding remarks – Certificates
17.00	End of the training course

NOTE

The scope of the training is to

- *present an overview of the new standard ISO/IEC 17025:2017*
- *present a series of critical issues addressed in both accreditation standards ISO/IEC 17025:2017 and ISO 15189:2012, with reference to particular needs in each case*
- *discuss on the experience of laboratories in various sectors, problems and solutions*
- *present recent publications.*