Garnet
Garnet Global Training Center

GGT-MT-115

Metrology, Calibration & Testing

Proficiency Testing & Interlaboratory Comparison

اختبارات الكفاءة والمقارنات بين المختبرات

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

Proficiency Testing & Interlaboratory Comparison focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Accurate measurement, calibration and laboratory competence for industry and regulators. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Proficiency Testing & Interlaboratory Comparison to real tasks.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.

Who should attend

Calibration and test lab staff, quality engineers, instrument technicians and lab managers. Practitioners with one to five years of experience benefit most.

Key topics

- Measurement principles
- Traceability and standards
- Uncertainty
- Calibration procedures
- ISO/IEC 17025 requirements
- Proficiency testing

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Proficiency Testing & Interlaboratory Comparison: principles and standards

- Uncertainty
- Group discussion and peer review

Day 2 Methods and tools in practice

- Calibration procedures
- ISO/IEC 17025 requirements

Day 3 Diagnosis and problem solving

- Proficiency testing
- Measurement and reporting

Day 4 Quality, safety and documentation

- Measurement principles
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Traceability and standards
- Common mistakes and how to avoid them

10-day outline

Day 1 Proficiency Testing & Interlaboratory Comparison: principles and standards

- Uncertainty
- Group discussion and peer review

Day 2 Methods and tools in practice

- Calibration procedures
- ISO/IEC 17025 requirements

Day 3 Diagnosis and problem solving

- Proficiency testing
- Measurement and reporting

Day 4 Quality, safety and documentation

- Measurement principles
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Traceability and standards
- Common mistakes and how to avoid them

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Regional and international case studies

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Checklists and templates to take away

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
2–6 May 2027	5-day classroom	Manama	English	4,750
6–10 Jun 2027	5-day classroom	Amman	Arabic	4,750
2–6 Aug 2027	5-day online	Live online	Arabic	2,950
7–18 Nov 2027	10-day classroom	Riyadh	English	8,950
10–14 Jan 2028	5-day classroom	Barcelona	English	4,750
17–28 Apr 2028	10-day online	Live online	English	5,450
9–20 Jul 2028	10-day classroom	Doha	Arabic	8,950
16–20 Oct 2028	5-day classroom	Dubai	Arabic	4,750
1–12 Jan 2029	10-day classroom	Amsterdam	English	8,950

Dates	Format	City	Language	Fee (USD)
5–9 Mar 2029	5-day online	Live online	English	2,950
16–20 Apr 2029	5-day classroom	Geneva	English	4,750
21–25 May 2029	5-day classroom	Istanbul	English	4,750
14–25 Jan 2030	10-day online	Live online	Arabic	5,450
19–23 Aug 2030	5-day classroom	Dubai	Arabic	4,750
4–8 Nov 2030	5-day classroom	Amsterdam	English	4,750
15–26 Dec 2030	10-day classroom	Riyadh	English	8,950

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/