



Time-of-Flight Diffraction (TOFD): Practical Workshop

Welding, NDT & Materials

QGT-WLD-154 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Time-of-Flight Diffraction (TOFD): Practical Workshop is a hands-on workshop built around exercises and real site problems in Time-of-Flight Diffraction (TOFD). It covers the principles, the requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Time-of-Flight Diffraction (TOFD)
- Apply the relevant requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for welding engineers, inspectors, NDT technicians and materials specialists who want practice rather than theory.

Course outline (5 days)

Day 1: Workshop briefing and baseline

Participants bring a real problem from their own site

Day 2: Guided practice 1

Hands-on exercises using templates, checklists and calculators

Day 3: Guided practice 2

Simulations and role-play based on Time-of-Flight Diffraction (TOFD) scenarios

Day 4: Field cases from the Gulf and Africa

Analysing what went wrong and what worked

Day 5: Action plan and peer review

Each participant leaves with a reviewed improvement plan

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
28 Mar – 1 Apr 2027	Dammam	Classroom	5 days	\$5,500
12–23 Apr 2027	Manchester	Classroom	10 days	\$9,900
19–23 Apr 2027	Sharjah	Classroom	5 days	\$5,500
17–28 May 2027	Houston	Classroom	10 days	\$9,900
16–20 Aug 2027	Online (live)	Online (live)	5 days	\$3,000
14–18 Feb 2028	Casablanca	Classroom	5 days	\$5,500
21 Feb – 3 Mar 2028	Beirut	Classroom	10 days	\$9,900
27–31 Mar 2028	Frankfurt	Classroom	5 days	\$5,500
17–28 Jul 2028	Toronto	Classroom	10 days	\$9,900
4–8 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
23–27 Apr 2029	Frankfurt	Classroom	5 days	\$5,500
11–22 Jun 2029	Dubai	Classroom	10 days	\$9,900
18–22 Jun 2029	Budapest	Classroom	5 days	\$5,500
5–16 Aug 2029	Kuwait City	Classroom	10 days	\$9,900
27–31 Aug 2029	Online (live)	Online (live)	5 days	\$3,000
4–8 Feb 2030	Toronto	Classroom	5 days	\$5,500
18 Feb – 1 Mar 2030	Tbilisi	Classroom	10 days	\$9,900
31 Mar – 4 Apr 2030	Kuwait City	Classroom	5 days	\$5,500
14–25 Oct 2030	Prague	Classroom	10 days	\$9,900
18–22 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/time-of-flight-diffraction-tofd-practical-workshop/>

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