



Risk-Based Inspection (RBI)

Inspection & Asset Integrity

QGT-INT-104 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Risk-Based Inspection (RBI) is an introduction that builds a solid working knowledge in Risk-Based Inspection (RBI). It covers the principles, the requirements of API 510/570/653/579/580/581 and ASME codes, 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 Risk-Based Inspection (RBI)
- Apply the relevant requirements of API 510/570/653/579/580/581 and ASME codes
- 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 inspectors, integrity engineers, QA/QC staff and asset owners, new joiners and anyone who needs a solid grounding in the subject.

Course outline (5 days)

Day 1: Principles and terminology

Scope, key definitions and how Risk-Based Inspection (RBI) fits into daily operations

Day 2: Codes, standards and requirements

What API 510/570/653/579/580/581 and ASME codes require, and how to read them

Day 3: Methods, tools and calculations

Step-by-step methods, checklists and worked examples

Day 4: Operation, inspection and common problems

Typical failures, warning signs and what to do about them

Day 5: Case studies, workshop and assessment

Group exercise on real cases and a final knowledge check

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
26–30 Apr 2027	Madrid	Classroom	5 days	\$5,500
2–13 May 2027	Algiers	Classroom	10 days	\$9,900
12–16 Sep 2027	Erbil	Classroom	5 days	\$5,500
4–15 Oct 2027	Beirut	Classroom	10 days	\$9,900
1–5 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
7–11 Feb 2028	Tbilisi	Classroom	5 days	\$5,500
14–25 Feb 2028	Barcelona	Classroom	10 days	\$9,900
17–21 Sep 2028	Salalah	Classroom	5 days	\$5,500
25 Sep – 6 Oct 2028	Dubai	Classroom	10 days	\$9,900
4–8 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
28 Jan – 1 Feb 2029	Kuwait City	Classroom	5 days	\$5,500
26 Feb – 9 Mar 2029	Marrakech	Classroom	10 days	\$9,900
2–6 Jul 2029	London	Classroom	5 days	\$5,500
9–20 Jul 2029	Abu Dhabi	Classroom	10 days	\$9,900
3–7 Sep 2029	Online (live)	Online (live)	5 days	\$3,000
21–25 Jan 2030	Frankfurt	Classroom	5 days	\$5,500
10–21 Feb 2030	Jeddah	Classroom	10 days	\$9,900
13–17 May 2030	Nairobi	Classroom	5 days	\$5,500
16–27 Sep 2030	Rome	Classroom	10 days	\$9,900
7–11 Oct 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/risk-based-inspection-rbi/>

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