



2KG TRAINING

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API 653 – Aboveground Storage Tank Inspector (preparation course)

API 653 Training

This course is designed for individuals who are interested in obtaining the API 653 certification or who want to expand their knowledge and skills in the field of aboveground storage tank systems.

Who should attend this course?

- Inspection personnel who are responsible for conducting aboveground storage tank inspections and evaluations.
- Engineers who are involved in the design, construction, repair, alteration, and maintenance of aboveground storage tank systems.
- Managers and supervisors who oversee the operation and maintenance of aboveground storage tank facilities.
- Regulators who are responsible for enforcing compliance with aboveground storage tank regulations and standards.
- Anyone who is interested in learning more about aboveground storage tank systems and the API 653 standard.



Course objectives

The course provides participants with the necessary knowledge to successfully pass the API 653 storage tank inspector certification exam:

- Understand the API 653 Standard and its application to the inspection, repair, alteration, and reconstruction of aboveground storage tanks.
- Identify the scope of the API 653 standard, inspection process, the terminology and definitions used in the standard.
- Understand the design, materials, construction, and inspection requirements and procedures for aboveground storage tanks.
- Learn about non-destructive testing (NDT) methods.
- Understand corrosion mechanisms and prevention methods and how to detect and monitor corrosion in aboveground storage tanks.
- Learn about repair, alteration, and reconstruction techniques for aboveground storage tanks, including welding and heat treatment methods.
- Understand hydrostatic test requirements for aboveground storage tanks.
- Prepare for the API 653 certification exam by reviewing sample questions, practicing with a practice test, and discussing exam topics and strategies.

Course content

The course covers the requirements as per the official API "Body of Knowledge".

The course content for each day is as per below:

DAY 1: API 650

- Scope and definitions
- Design and erection
- Joint inspection methods
- Design and construction of foundations
- Internal and external floating roofs

DAY 2: API 653 and API 575

- Scope and definitions
- Suitability for service
- Inspection methods
- Materials and design considerations for reconstruction
- Repair and alteration
- Examination and testing
- Tank bottom settlement

DAY 3 – API 651, API 652 and API 571

- Determination of need for cathodic protection
- Cathodic protection methods
- Determination of need for lining
- Surface preparation and application
- Damage mechanisms

DAY 4 – ASME V

- Code organization and general requirements
- Basics of RT, MT, PT and UT

DAY 5 – ASME IX and API 577

- Purpose and organization of ASME IX
- PQR, WPS, WQT
- Destructive Testing (DT)
- Welding inspection and processes
- Metallurgy

Disclaimer:

Enrolling in this course does not automatically enrol you for the examination. To register for the API exam, you must complete a separate registration process following the instructions on the API website. If you have not registered for the exam yet, you can obtain an application form from the API website.

You can buy the necessary codes and standards (exam packs) for your preparation from multiple online sources. The exam pack must contain the official API 653 Exam Administration -- Publications Effectivity Sheet.



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Registration Form

Number of days: 5

CPD Points: 5

How to register for the course:

1. Complete this registration form and fax it to Phindi Chauke: Tel: 011 325 0686 Fax: 011 325 0488 Email: phindi@2kg.co.za
2. Acknowledgement will be emailed to you.
3. Final confirmation and details will be faxed or emailed to you approximately 7 days before the commencement of the seminar.

Cancellation Policy:

By signing and returning the registration form, the authorizing signatory on behalf of the stated company is subject to the following terms and conditions.

- All cancellations must be received in writing.
- Any cancellations received less than 7 working days before the date of the event, the full fee will be payable and the delegate can attend the next scheduled training course.
- In case of insufficient applications for the workshop 2KG reserves the right to cancel the seminar. Applicants will be informed, and all fees will be refunded immediately.

Delegate information:

Title: _____ Surname: _____ Name: _____
 Full Company name: _____ Job Title: _____
 Postal Address (to which invoice must be sent): _____

Code: _____ VAT number: _____
 Tel: () _____ fax: () _____
 Cell: _____ Email: _____

Contact/ Accounts information:

Title: _____ Surname: _____ Name: _____
 Tel: () _____ fax: () _____
 Cell: _____ Email: _____

Please tick the course that you would like to attend:

Live Virtual Classroom

9 - 13 June 2025 , (5 days)
Live Virtual Classroom ,R17 200.00 (excl VAT)

Conventional Classroom

24 - 28 November 2025 , (5 days)
Johannesburg ,R21 500.00 (excl VAT)

I have read and agreed to all the conditions of registration as stipulated in this brochure.

Signature

Date

For more info and to register contact Phindi Chauke on tel: 011 325 0686 or cell: 071 125 6188 and email: phindi@2kg.co.za or visit www.2kg.co.za