



API 653 **DASH D** Inspectorate Pvt. Ltd

7 Tank Inspector Days Training Course

Course Description

Do you need to become an API 653 Authorized Inspector? If so, this class is for you.

This class will help you prepare for the API 653 exam. Plus you will gain additional skills and knowledge that are important for your success on the job! We specialize in providing knowledge trainers who keep the classroom interesting.

Class Participants

Students should have 3 years of experience at a petrochemical or industrial facility and have at least 1 year of inspection experience. However, participants who do not meet this requirement are also welcomed to attend this Training to further their knowledge in the related areas.

API Application

The scheduled dates for API 653 Inspector Certification Examination is as below:

Examinations Dates	
Submissions to API (Original Copy)	
Submissions via Dash (Original Copy)	

The API Web-site offers some useful information (i.e. application form, sample test question, required code books). Here's the web-site that takes you directly to the data. www.api.org/icp

Course Objectives

The course provides participants with the knowledge necessary to:

- ◆ Successfully pass the API 653 storage tank Inspector certification exam
- ◆ Effectively use major codes, API 650 and ASME B&PV sections V & IX
- ◆ Perform all tank calculations needed for the API exam
- ◆ Use API's requirements during inspection, repairs, and alterations of tanks
- ◆ Review welding procedures (WPS/PQR) and welder performance qualifications (WPQ)

Notes

This is an intense course with daily homework and a final exam. A study guide is issued to direct participant's pre-class study.

Who should join

This class is designed for inspectors and engineers working in refineries, chemical & industrial plants, gas plants, tank terminals.

Bring to Class

Students should bring to class: a calculator, a straight edge (or triangle), pencils, highlighters, lots of questions, and a "CAN-DO" attitude. Also, participants must bring the appropriate codes required for the API exam.

India Address; Hotel Dash Continental Vadodara India
 Contact No. +91 9429533562, +91 9825164743, +91 265 2488248, Fax : 0265 2750115
 Website: WWW.DASHINSPECTORATE.COM,
 Email : dash@dashinspectorate.com

Dubai Address : Dash inspectorate Inspection services
 Post Box 45978, Burdubai ,DUBAI- UAE,
 Contact: landline :9143554979, Mobile: 0508692438
 Email : dash@dashinspectorate.com
www.dashinspectorate.com



API 653 **DASH D** Inspectorate Pvt. Ltd

7 Tank Inspector 7 Days Training Course

Tentative training schedule

DAY 1

- 1) Welcome & Introduction
- 2) API 650 - Tank Fabrication Code. Understand the following key concepts.
 - ◆ Purpose of the Code
 - ◆ Scope of the Code
 - ◆ Organization of the Code
 - ◆ Key tank terminology
 - ◆ Uniqueness of major tank components
 - ◆ Qualification requirements specified by the Code
 - ◆ Fabrication limits
 - ◆ Inspection & Testing methods
 - ◆ Tips on how to find needed information in the Code
- 3) API 650 - Calculations & Charts
 - ◆ Minimum Design Temperature
 - ◆ Impact Testing Limits
 - ◆ New Shell Thickness
 - ◆ RT's of new Shell Welds

Evening Session: API 650 Homework Covers API 650 questions that are typical of those on the API exam and practice all Calculations covered in class.

DAY 3

- 1) Review homework from Day 2
- 2) API 653 - In-Service Tank Code. Understand the following key concepts.
 - ◆ Types and results of Tank Settlement
 - ◆ Brittle Fracture Evaluation for Existing Tanks
 - ◆ Requirements and Limits of Bottom Repairs
 - ◆ Requirements and Limits of Shell & Nozzle Repairs
 - ◆ Requirements and Limits of Roof Repairs
 - ◆ Design & Erection of Reconstructed Tanks
 - ◆ Shell Hot-Tapping Limitations
- 3) API 653 - Calculations & Charts

Learn how to successfully determine the following:

 - ◆ Shell Repairs - Weld Spacing Limits
 - ◆ Bottom Repairs - Weld Spacing Limits

Evening Session: API 653 Homework Covers API 653 questions that are typical of those on the API exam and practice all Calculations covered in class. Also start the Study Guide "The API 575 Study Guide".

DAY 2

- 1) Review Homework from Day 1
- 2) API 653 - In-Service Tank Code. Understand the following key concepts.
 - ◆ Purpose of the Code
 - ◆ Scope of the Code
 - ◆ Inspection Types & Inspection Schedules
 - ◆ Risked Based Inspection (RBI)
 - ◆ Suitability for Service Evaluations
- 3) API 653 - Calculations & Charts

Learn how to successfully determine the following:

 - ◆ Corrosion Averaging for a Shell Corroded Area
 - ◆ Minimum Thickness of a Shell Corroded Area
 - ◆ Minimum Thickness of a Shell Course
 - ◆ Maximum Shell Pit Depth
 - ◆ Minimum Bottom Thickness at Next Inspection

Evening Session: API 653 Homework Covers API 653 questions that are typical of those on the API exam and practice all Calculations covered in class. Also complete study Guide "The Inspector's Calcs" (covers Corrosion Rates, Remaining Life, and Next Inspection Date Calculations)

DAY 4

- 1) Review homework from Day 3
- 2) API 653 - In-Service Tank Code.

Understand the following key concepts.

 - ◆ Use of NDE for In-Service Tanks
 - ◆ Hydro test Requirements and Exemptions
- 3) ASME B&PV Section V - NDE.

Understand the following key concepts.

 - ◆ Purpose of the Code
 - ◆ Organization of the Code
 - ◆ RT Techniques
 - ◆ Purpose & Selection of IQI's
 - ◆ RT Film Density Requirements
 - ◆ Key terms discussed in the Code
 - ◆ Tips on how to find needed information in the Code

Evening Session: API 653 & ASME Sect. V Homework Covers API 653 & ASME Sect V questions that are typical of those on the API exam. Continue on the Study Guide "The API 575 Study Guide".

|| TRAINING SERVICES ||

DASH D
Inspectorate Pvt. Ltd

HEAD OFFICE
3rd Floor, Ishwar Krupa Building, Opp. Saffron Circle, Near Bank Of India,
Fatehgunj, Vadodara - 390002, (Gujarat), INDIA.
Ph.: +91 9825164743, 9429333662, 0265 2750116
E-mail: dashinspectorate@gmail.com, dash@dashinspectorate.com, dash@yautele.com
WWW.DASHINSPECTORATE.COM

DASH OFFICES: BARODA, AHMEDABAD, SURAT, MUMBAI, PUNE, DELHI, JAIPUR, INDORE, KOLKATA, CHENNAI, COCHIN, PONDICHERRY, TRICHY, HYDERABAD, BANGALORE.

DASH OPERATION: USA, SINGAPORE, NIGERIA, THAILAND, QATAR, UAE, SAUDI ARABIA, BRUNEI, MALASIA, PHILIPPINES, INDONESIA.

API 653 **DASH D** Inspectorate Pvt. Ltd

7 Tank Inspector 7 Days Training Course

Tentative training schedule

DAY 5

1) ASME B&PV Section IX - Welding Code:

Understand the following key concepts.

- ◆ Purpose of the Code
- ◆ Roles of the Inspector
- ◆ Organization of the Code
- ◆ Welding Positions - Test and Field
- ◆ Testing Requirements and Acceptance Criteria
- ◆ Welder Qualification Process and Restrictions
- ◆ Weld Procedure Qualification Process and Restrictions

2) Review and Evaluate a WPQ (Welder Performance Qualification)

- ◆ Repairs, Alterations & Rerating
- ◆ Underground Piping

3) Review and Evaluate a WPS (Welding Procedure Specification) and the associated PQR (Procedure Qualification Record)

Evening Session: Section IX Homework.

Covers ASME Sect IX questions that are typical of those on the API exam. Includes evaluating 2 WPQ's, and 1 WPS/PQR.

DAY 6

1) Review homework from Day 5

2) API 651 - Tank Cathodic Protection (CP)

- ◆ Basic Parts of a Corrosion Cell
- ◆ Types of CP (with Advantages & Limitations)

3) API 652 - Tank Coatings

- ◆ Types of Coatings (with Advantages/Limitations)
- ◆ Causes of Lining Failure
- ◆ Coating Installation Requirements

Evening Session: API 651 & 652 Homework

Covers API 651 & 652 questions that are typical of those on the API exam. Continue on the Studv Guide "The API 575 Studv Guide".

DAY 7

1) Review Homework from Day 6

2) Final Review

3) Practice Exam

- ◆ Closed Book Exam similar to the API 653 Exam
- ◆ Open Book Exam similar to the API 653 Exam
- ◆ Evaluate one WPS/PQR

Required codes for exam

(Participants must bring the appropriate codes required for the API exam)

ASME Codes:

- ◆ B&PV Section V Non-Destructive Examination
- ◆ B&PV Section IX Welding Qualifications

API Codes:

- ◆ API 575 Inspection of Tanks
- ◆ API 650 Tank Fabrication
- ◆ API 651 Cathodic Protection
- ◆ API 652 Lining of Tank Bottoms
- ◆ API 653 Tank Inspection Code

Note: See the API website at www.api.org/icp to determine which editions will be used for your exam.

Codebooks can be obtained from Techstreet (www.techstreet.com) or Global Eng Docs (www.global.ihs.com)

Instructor Profile

◆ Professional Qualifications :

- ◆ Bachelor of Engineering: B.E. (Metallurgy),
- ◆ API 510 – Authorized Pressure Vessel Inspector
- ◆ API 570 – Authorized Piping Inspector
- ◆ API 653 – Authorized Above storage Tank Inspector
- ◆ AWS CWI, CWE (Certified welding educator)
- ◆ ASNT NDT Level III (RT, UT, MT, VT, PT)
- ◆ Lead Auditor ISO 9000,14000,18000

Memberships of Professional Organizations:

- ◆ ASNT ;American Society for Non Destructive Testing
- ◆ AWS ;American Welding Society
- ◆ ASME

Experience: EXTENSIVE

Present Job: Director,
M/s DASH INSPECTORATE PVT LTD.
Responsibilities handled include Third Party Inspection. Plant inspection during shut-downs, Inspection during fabrication Welding inspection & NDT consultancy

RBI Experience:

Gone through specialized trainings in RBI and presently doing trainings in RBI and Integrity Assessment. Also member of RBI Study group for well known Oil Refineries in India.





API 653 **DASH D** Inspectorate Pvt. Ltd

7 Tank Inspector 7 Days Training Course

REGISTRATION FORM

Name :

Company name :

Department :

Address :

Tel : Email :

Please Tick accordingly,

Please fax / email your completed
Form or for further information,

Download Application:

Email: dash@dashinspectorate.com

AWS	NDT		API	ISO	CORROSION	Safety
Training Time	Training Time		Training Time	Training Time	Training Time	NEBOSH /IOSH
Every month	Level II Every month	Level III Every 3 months	Feb, May, Aug, Nov.	Every month	Every month	FOOD Inspector First Aid
Exam schedule	Exam Schedule		Exam schedule	Exam schedule	Exam schedule	PPE Etc
Every month	Level II Every month	Level III Every 3 month	Every next month	Every month	Every month	Every month course and exam

INDIA ADDRESS; HOTEL DASH CONTINENTAL , VADODARA – 390 018
(GUJARAT) INDIA. Contact No. +91 9429533562, +91 9825164743, +91 265
2488248, Fax : 0265 2750115

Dubai Address : Dash inspectorate Inspection services Post Box
45978, DUBAI- UAE, Contact: landline :9143554979, Mobile: 0508692438

URL: WWW.DASHINSPECTORATE.COM, Email: Dash@dashinspectorate.com



API 653 **DASH D** Inspectorate Pvt. Ltd

7 Tank Inspector 7 Days Training Course

REGISTRATION FORM



API Individual Certification 2015 Exam Dates & Deadlines

[Go To Certification Programs](#)

Exam Window	Program	Schedule	Application Deadline
January 16 - 30, 2015	510	7 hours	November 21, 2014 <i>Extended: Nov 30, 2014</i>
February 13 - 27, 2015	570	7 hours	December 19, 2014 <i>Extended: Dec 31, 2014</i>
March 20 - April 3, 2015	653	7 hours	January 23, 2015 <i>653, TES Extended: Jan 31, 2015</i>
	TES	4 hours	
	1169	3 hours	
April 17 - May 1, 2015	936, 571, 577, 580, SI	4 hours	February 20, 2015
May 15 - 29, 2015	510	7 hours	March 20, 2015
June 5 - 19, 2015	570	7 hours	April 10, 2015
July 3 - 17, 2015	653	7 hours	May 8, 2015
	TES	4 hours	
	1169	3 hours	
August 14 - 28, 2015	936, 571, 577, 580, SI	4 hours	June 19, 2015
September 4 - 22, 2015	510	7 hours	July 10, 2015
October 16 - 30, 2015	570	7 hours	August 21, 2015
November 6 - 20, 2015	653	7 hours	September 11, 2015
	TES	4 hours	
	1169	3 hours	
December 9 - 23, 2015	936, 571, 577, 580, SI	4 hours	October 14, 2015

January 27, 2015

NOTE : EXAM WILL NOW BE COMPUTER BASED INSTEAD OF HARD COPY EXAMINATION

INDIA ADDRESS; HOTEL DASH CONTINENTAL , VADODARA – 390 018 (GUJARAT) INDIA. Contact No. +91 9429533562, +91 9825164743, +91 265 2488248, Fax : 0265 2750115

Dubai Address : Dash inspectorate Inspection services Post Box 45978, Burdubai , DUBAI- UAE, Contact: landline :9143554979, Mobile: 0508692438

URL: WWW.DASHINSPECTORATE.COM, Email: Dash@dashinspectorate.com