API 653
Exam Preparation eLearning Course

3 Month eLearning Course

Who should attend?

This training course is recommended for:

- Inspectors
- Engineers
- Technicians
- Asset Integrity Engineers
- Engineering Management
- Statutory or Regulatory Representatives
- Inspection Management

Involved in or responsible for the maintenance and inspection of above ground storage tanks.

Course Outcomes:

- Comprehensive review of all key elements of the API ICP Body of Knowledge approved for the targeted API ICP Authorized Inspectors examination.
- Review and practice on all elements which require code work and calculations within the targeted exam.
- Detailed understanding on the principles, practices, and application of API 653.
- The course prioritizes all areas most commonly encountered within the API ICP Exam to assure the best possible preparation of the student for the API 653 Examinations.
- Creates a solid foundation for further development as an API 653 Authorized Inspector.

Contact us

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Primary Course Objectives:

- Review and apply the objectives identified in the ICP BOK
- Review in-depth critical areas commonly encountered within the API ICP 653 Examination.
- Review recommended examination practices.
- Perform general review of repair and inspection strategies related to pressure vessels, pipework, and above ground storage tanks.
- Development of Open Book and Closed Book Skills
- Preparation for API ICP Examinations
- Mock Examination
    - Course includes: > 3 months access to our eLearning platform for reading assignments, quizzes, modules, discussions, announcements & mock examinations; and
    - Skype Q & A sessions with lecturer throughout the course.

Intertek Consulting and Training in collaboration with CKRC Training Solutions cc have developed API Examination Preparation courses for the inspector who cannot take time off work, is working a shut-down or is on rotation.
Our courses are three-month blended eLearning programs with instructor lead Q&A Skype sessions. The courses contain a series of modules, assignments, announcements & quizzes that are released as per course schedule. Our recommended daily participation by the learner is ± 1.5hours, this will ensure your success.

Weekly Progress Reports are sent out to individuals and support via email and our eLearning platform is available throughout the three-month period. We offer support & assistance with the API ICP application process to all our students.

We strongly recommend that students complete their reading assignments before attempting the quizzes, which they can attempt multiple times and are instantly graded so they can self-monitor their progress. Throughout the three-month program students will have access to discussion forums where they can interact with other students on the course and ask the instructor(s) questions and have debates to help the learning process. We strongly recommend that students make use of the discussion forums and freely ask any questions that will help their learning experience and exam preparation.

Reviewing the Codes & Standards (in PDF) regularly during the course will help students prepare for the examination as they will be writing at a computer station where no hard copies of the Codes & Standards are allowed, Codes are available on the testing station in PDF format, so the more practice the better before the exams.

After completion of our 3-month eLearning course, each candidate is issued with a Certificate of Completion.

Course Syllabus > 3 months eLearning

Module 1	Introduction & Overview
Skype 1	***Opening Skype Session***
Module 2	General - API Standard 653
Module 3	General - API RP 575
Module 4	General - API RP 571
Module 5	General - API RP 651
Skype 2	***Module 2 – 5 (General Q & A)***
Module 6	General - API RP 652
Module 7 & 8	General – ASME V Article 1, General Requirements & Article 2, Radiographic Examination
Module 9 & 10	General – ASME V Article 6, Liquid Penetrant Examination & Article 7, Magnetic Particle Examination
Module 11	General – ASME V Article 23, Ultrasonic Standards, Section SE–797 only
Module 12	General – General Non-Destructive Examination Requirements API Standard 650 & API Standard 653
Module 13	General - API RP 577
Module 14	Welding – ASME IX
Module 15	Welding – General Welding Requirements API Standard 650 & API Standard 653
Module 16	Student Revision and Consolidation of Mod 2~15
Skype 3	***Module 6 – 16 (General Q & A)***
Module 17 & 18	Basic Math & Manipulation of Formula Code Calculation Questions – Corrosion Rate and Inspection Intervals
Module 19 & 20	Code Calculation Questions – Joint Efficiencies & Maximum Fill Height (Hydrostatic Testing)
Module 21	Code Calculation Questions – Weld Sizes for Shell and Roof Openings
Module 22 & 23	Code Calculation Questions – Hot Tapping & Settlement Evaluation
Module 24 & 25	Code Calculation – Impact Testing. Existing Tank Shell & Reconstructed Tank Shell
Module 26	Code Calculations – Tank Shell – Corroded Area & Pitting
Module 27	Code Calculation questions – Replacement Plates & Lap Welded Patch Plates
Module 28	Student Revision and Consolidation of Mod 17~27
Module 29	Test Preparations
Test A	General & Code Calculation Questions - Open Book #1
Test C	General & Code Calculation Questions - Open Book #2
Test E	Welding - Open Book #3
Test G	NDE - Open Book #4
Test B	General - Closed Book #1
Test D	General - Closed Book #2
Test F	Welding - Closed Book #3
Test H	NDE - Closed Book #4
Skype 4	***Student Final Revision***

Information on our Course Developer / Trainer:

Our course developer and lead lecturer, Mr. Kevin R. Maley is a 41-year-old Senior Inspection Engineer / Authorized Inspector of pressurized equipment and Quality Assurance / Control Specialist for the inspection, testing and certification of new and in-service equipment.

He has 21 years' experience in fabrication shops, in-service condition inspection and repair of equipment within petrochemical, power, utility, pulp, and nuclear environments (Currently focussed mainly within the petrochemical field).

He is an experience and patient lecturer that has been directly involved in and responsible for the development of effective and professional training material for API ICP 510, 570 and 653 inspector examinations since 2007 and currently maintains his certification in all the primary API ICP certification and holds ASNT NDT Level III certification in the MT, PT, RT & VT methods.

Key Qualifications & Certifications

- IEng MInstNDT (EngC reg. no. 608847)
- BSc (hons) NDT (University of Northampton)
- API 653 Authorized above ground storage tank Inspector (Cert no: 33577)
- API 570 Authorized Pressurized Piping inspector (Cert no: 33340)
- API 510 Authorized Pressure Vessel Inspector (Cert no: 31035)
- API 571 Supplementary certification, Advanced knowledge of corrosion and materials (Cert no: 35833)
- API 580 Supplementary certification, Advanced knowledge of Risk-Based inspection practices (Cert no: 35875)
- API 577 Advanced knowledge in welding and metallurgy (Cert no: 37575).
- API 936 Refractory personnel certification (Cert no: 37502)
- IIW International Welding Inspector Diploma Comprehensive Level (Cert no: ZA/IWI-C00032)