



## خدمات الفحوصات العالمية Global Inspection Services

ص.ب. ١٦٣٥١ الرمز البريدي ٣١٩١١ - المملكة العربية السعودية - شارع الملك عبد العزيز - عمارة المهنا  
P.O.Box 16351-Dammam31911-Saudi Arabia -King Abdul Aziz Street- Al Mohana Building

### PREPARATORY SEMINARS FOR ASNT LEVEL III EXAMINATION

**Course curriculum is specially designed & constantly updated to prepare you for the Similar exercises you will be expected to perform during the actual Level III examination.**

TRAINING FACULTY MR. PRASHANT V. WAGH, B Tech (Mech)  
ASNT NDT LEVEL III (RT, UT, MT, PT, VT, ECT, LT, TIR, AE, MFL & NRT )  
(API 510, API 570, API653, API580, API577, API571 & API 936 Certified Authorized  
Inspector, KACST RSO ,  
Life Member of American Society for Nondestructive testing  
Over 25 years of training experience worldwide in NDT L III & API certifications

### LEVEL III PREPARATORY COURSES AVAILABLE IN FOLLOWING METHODS

METHODS	DURATION
BASIC	SIX DAYS
ULTRASONIC TESTING –UT-III	SIX DAYS
RADIOGRAPHIC TESTING –RT-III	SIX DAYS
MAGNETIC PARTICLE TESTING – MPT-III	THREE DAYS
LIQUID PENETRANT TESTING – LPT-III	THREE DAYS
VISUAL TESTING – VT-III	THREE DAYS
EDDY CURRENT TESTING – ECT-III	SIX DAYS
LEAK TESTING – LT-III	SIX DAYS
MAGNETIC FLUX LEAKAGE – ML-III	FIVE DAYS
INFRARED THERMOGRAPHY – TIR-III	SIX DAYS

**Radian Safety Officer**

**5 Days**

# API 510: Pressure Vessel Inspector certification seminar

## Course Objectives

This course has been designed to train individuals who are interested in obtaining the API 510 Pressure Vessel Inspector Certification, as well as those who are seeking a better understanding of ASME Section VIII and IX code requirements. The course material contains specially designed INDTT course booklet & sets of Open & closed book questions & classroom exercises that have been constantly updated and proven to be valuable for success over the past many years.

## Topics include:

- **Head and Shell Calculations**
- **Hydrostatic Test Pressure Calculations**
- **Reinforcement Calculations**
- **Shell External Pressure Calculations**
- **Impact Test Requirements and Determination**
- **Development and Review of Welding Documentation**
- **NDE Requirements**
- **API 510, API 572, API 571, API 576, API 577, ASME Sec V, ASME Sec IX& ASME Sec VIII Div I**

## Required Codes & Standards

As in the attached publication effectivity sheet the effective editions of the publications are not required to be carried but will be made available.

For more information, visit

<http://www.api.org/certifications/icp/programs/index.cfm>

# API 570 Authorized Piping Inspector Certification

## Course Objectives

This course has been designed to train individuals who are interested in obtaining the API 570 Piping Inspector Certification, as well as those who are seeking broad knowledge base relating to maintenance, inspection, alteration and repair of in-service metallic piping systems , understanding of ASME B 31.3 and IX code requirements. The course material contains specially designed INDTT course booklet & sets of Open & closed book questions & classroom exercises

## Topics include:

- Corrosion rates and inspection intervals
- Weld joint quality factors , Casting quality factors & increased joint quality factors related calculations
- Calculating pressure design thickness for a straight pipe & permanent blank .
- Pressure testing hydrostatic leak testing, pneumatic leak testing& calculations
- Calculation of minimum metal temperature exempted from impact testing & charpy v-notch impact values .
- Preheating and heat treatment requirements, weld sizes requiring preheating and/or heat treatment.  
holding time, holding temperature, and brinell hardness& thermal expansion calculations
- Calculation of minimum wall thickness & working pressures for flanges, dimensions of flanges ,  
Maximum Working Pressure of a flange at design temperature, flange material and flange class.
- Minimum required thickness of a permanent blank (ASME B31.3, par. 304.5.3)

## Codes Covered are

API 570, API 574, API 571, API 577, API 578, ASME B 16.5, ASME Sec V, ASME Sec IX& ASME B 31.3,

## Required Codes & Standards

As in the attached publication effectivity sheet the effective editions of the publications are not required to be carried but will be made available in PDF format during Certification Examination.

# API 653 Aboveground Storage Tank Inspector Certification

## Course Objectives

This course has been designed to train individuals who are interested in obtaining the API 653 Piping Inspector Certification, as well as those who are seeking broad knowledge base relating to tank inspection and repair of aboveground storage tanks, understanding of API 650 & 652 design and IX & other code requirements. The course material contains specially designed INDTT course booklet & sets of Open & closed book questions & classroom exercises.

## Topics include:

- Corrosion rates and Inspection Intervals & Remaining Life determination,
- Calculating minimum thickness or maximum fill height,
- Weld Sizes for Shell & Roof openings
- Understanding Hot Tapping requirements
- Calculating minimum spacing between existing nozzle and a new HotTap nozzle.
- Settlement evaluation, Edge Settlement, Bottom Settlement determination.
- Impact testing, toughness, Tank Design Metal Temperature related calculations
- Existing Tank shell - Minimum thickness determination & thickness required for continued service evaluation
- Reconstructed tank shell - minimum thickness, Tank shell - pitting evaluation
- Bottom plate minimum thickness calculation of "mrt1" & "mrt2", minimum remaining thickness at the next inspection.
- Determination of minimum dimensions for a replacement plate & Lap welded patch plates.

## Codes Covered are

API 653, API 650, API 651, API 652, API 571, API 577, API 575 B 16.5 ASME Sec V, ASME Sec IX

## Required Codes & Standards

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TRAINING FACULTY MR. PRASHANT V. WAGH,  
ASNT NDT LEVEL III (RT, UT, MT, PT, VT, ECT, LT, TIR, AE, MFL & NRT)  
(API 510, API 570, API 653, API 580, API 577, API 571 & API 936 Certified Authorized Inspector)

API 936, 571, 577 & 580 PREPARATORIES ARE AVAILABLE UPON REQUEST

Course Venue - GIS Training center, Dammam, SAUDI ARABIA Course Certificate

API 510, API 570, API 653, API 936, API 577, API 571, API 580 Examinations are held at API Prometric Test Center, Dammam & Jeddah KSA

## API EXAMINATION WINDOWS 2016

<b>EXAM WINDOW</b>	<b>PROGRAM</b>	<b>EXAM DURATION</b>	<b>APPLICATION DEADLINE</b>
January 15 - 29, 2016	510	7 hours	November 20, 2015
February 12 - 26, 2016	570	7 hours	December 18, 2015
March 18 - April 1, 2016	653	7 hours	January 22, 2016
April 15 - 29, 2016	571, 577, 580, 936	4 hours	February 19, 2016
May 13 - 27, 2016	510	7 hours	March 18, 2016
June 17- July 1, 2016	570	7 hours	April 22, 2016
July 15 - 29, 2016	653	7 hours	May 20, 2016
August 12 - 26, 2016	571, 577, 580, 936	4 hours	June 17, 2016
September 16 - 30, 2016	510	7 hours	July 22, 2016
October 14 - 28, 2016	570	7 hours	August 19, 2016
November 11 - 25, 2016	653	7 hours	September 16, 2016
December 9 - 23, 2016	571, 577, 580, 936	4 hours	October 14, 2016

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