

COURSE OVERVIEW FE0920 API 580: Risk Based Inspection

(API Exam Preparation Training)

1.0 CEUS

(40 PDHs)

Course Title

API 580: Risk Based Inspection (API Exam Preparation Training)

Course Reference

FE0920

Course Duration/Credits

Five days/4.0 CEUs/40 PDHs

Course Date/Venue



Session(s)	Date	Venue	Exam Window	Exam Closing Date
1	February 16- 20, 2025	Club B, Ramada Plaza By Wyndham Istanbul City Center, Istanbul, Turkey	April 11-May 02, 2025	January 31, 2025
2	May 11-15, 2025	Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE	August 08-29, 2025	May 31, 2025
3	August 17-21, 2025	Al Azziya Hall, The Proud Hotel Al Khobar, KSA	December 05- 26, 2025	September 26, 2025
4	December 15- 19, 2025	Ajman Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE	ТВА	ТВА
Exam Venue	Abu Dhabi, Dubai, Al-Khobar, Jeddah, Kuwait, Amman, Beirut, Cairo, Manama and Muscat. Participant has the option to attend at any of the above cities			

Course Description







This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be applied using our state-of-the-art simulators.

The API 580 Risk-Based Inspection (RBI) certification exam tests the individual's knowledge of RBI techniques, based and principles outlined in API practices on the Recommended Practice 580 (Risk-Based Inspection) and API Standard 581 (Risk-Based Inspection Technology).

This course is designed to train individuals who are interested in obtaining the API 580 RBI Inspector Certification, as well as those who are seeking an advanced knowledge of Risk Based Inspection requirements. Included with the course is a pre-study guide and student classroom workbook. The student receives instruction regarding how to take the test, as well as insight into the intricacies of "real world" situations. Daily tests are designed to gauge students' proficiency and understanding of the material.

Haward Technology is proud of its 90% pass rate on all our API sponsored courses.



FE0920 - Page 1 of 11





Further, the course will also discuss the importance of risk-based inspection (RBI) in industry and the goals and benefits of RBI program; the qualitative, semi-quantitative and quantitative methods; the selection criteria for RBI methodology and integration of RBI into inspection programs; the basic concepts of risk, risk matrix and risk ranking and API 581 risk assessment procedures; the common damage mechanisms in the refining and petrochemical industry; the impact of damage mechanisms on risk assessment; the equipment and circuits for RBI; the data collection and documentation for RBI and integration of plant inspection data; the relevant API standards (API 510, 570, 653) and the legal and regulatory framework affecting RBI; the probability of failure (POF) and consequence of failure (COF); the RBI inspection techniques, non-destructive testing (NDT) methods and selection of appropriate NDT methods based on risk; developing inspection planning and scheduling; and the data quality and management in RBI assessment.

During this interactive course, participants will learn the software tools for RBI, RBI program and RBI program maintenance; the risk communication and reporting, performance measurement and improvement; the RBI program audit and review; the quantitative risk assessment (QRA) and reliability-centered maintenance (RCM); the life cycle cost analysis and advanced inspection technologies; the human factors in risk assessment and organizational culture and its impact on RBI effectiveness; incorporating safety and environmental risks; and the compliance with safety and environmental regulations.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Get prepared for the next API 580 exam and have enough knowledge and skills to pass such exam in order to get the API 580 Inspector certificate
- Discuss API 580 including the importance of risk-based inspection (RBI) in industry and the goals and benefits of RBI program
- Carryout qualitative, semi-quantitative and quantitative methods including the selection criteria for RBI methodology and integration of RBI into inspection programs
- Identify the basic concepts of risk, risk matrix and risk ranking and API 581 risk assessment procedures
- Recognize the common damage mechanisms in the refining and petrochemical industry and the impact of damage mechanisms on risk assessment
- Identify the equipment and circuits for RBI as well as apply data collection and documentation for RBI and integration of plant inspection data
- Discuss the relevant API standards (API 510, 570, 653) and the legal and regulatory framework affecting RBI
- Explain the probability of failure (POF) and consequence of failure (COF)
- Apply RBI inspection techniques, non-destructive testing (NDT) methods and selection of appropriate NDT methods based on risk
- Develop inspection planning and scheduling and apply data quality and management in RBI assessment
- Use software tools for RBI, develop RBI program and implement RBI program maintenance
- Employ risk communication and reporting, performance measurement and improvement and RBI program audit and review
- Carryout quantitative risk assessment (QRA) and reliability-centered maintenance (RCM)



FE0920 - Page 2 of 11

FE0920-02-25|Rev.317|11 October 2024





- Illustrate life cycle cost analysis covering cost-benefit analysis for inspection interventions and economic modeling of RBI decisions
- Apply advanced inspection technologies and identify human factors in risk assessment and organizational culture and its impact on RBI effectiveness
- Incorporate safety and environmental risks and comply with safety and environmental regulations

Who Should Attend

This course is designed for those involved in risk based inspection methodologies and practices in refineries, gas, oil and petrochemical facilities. This includes inspection engineers and inspectors who are seeking API-580 certification. Other engineers, inspectors, maintenance staff, facility integrity personnel and asset managers who are considering or implementing risk based inspection systems will definitely benefit from this course.

Exam Eligibility & Structure

Exam candidates shall have the following minimum pre-requisites:-

Education	Years of Experience	Experience Required
BS or higher in engineering	1 year	Any experience in the
or technology	i your	petrochemical industry
2-year degree or certificate in engineering or technology	2 years	Any experience in the petrochemical industry
High school diploma or equivalent	3 years	Any experience in the petrochemical industry
No formal education	5 or more years	Any experience in the petrochemical industry

Required Codes & Standards

Listed below are the effective editions of the publications required for this exam for the date(s) shown above. Each student must purchase these documents separately and have them available for use during the class as their cost is not included in the course fees:-

- API Recommended Practice 580 (Risk-Based Inspection): This document provides guidance on developing a risk-based inspection (RBI) program for fixed equipment and piping in the petrochemical industry.
- API Standard 581 (Risk-Based Inspection Technology): Provides the quantitative procedures to establish an inspection program using risk-based methods for assessing and managing the risk of equipment failure in hydrocarbon and chemical process facilities.
- API Recommended Practice 571 (Damage Mechanisms Affecting Fixed Equipment in the Refining Industry): While not the primary focus, understanding the common damage mechanisms presented in this document is crucial for identifying risks and making informed decisions in an RBI program.

Note: API and ASME publications are copyrighted material. Photocopies of API and ASME publications are not permitted.



FE0920 - Page 3 of 11





API Certificate(s)

BAC

API-580 certificate will be issued to participants who have successfully passed the API-580 examination.

	DIIAL
	DOAL
API INDIVI Certifica	TION
PROGRAM	5 😵
verifies that	
SALEM GHANEM	
HAS MET THE ESTABLISHED AND PUBLISHED REQU	
API 580 RISK BASED INSPECTION	
IN ACCORDANCE WITH THE KNOWLEDGE DEFINED I	N THE API Recommended Practice 580
CERTIFICATION NUMBER 112567890	
ORIGINAL CERTIFICATION DATE February 28, 20 CURRENT CERTIFICATION DATE February 28, 20	21 () (c)
EXPIRATION DATE February 28, 20	Director, Individual Certification Programs
AP! & ICP	
Capyright 2020 - American Potenieum Institute, all rights reserved. API, U2, Un API large and the large and the Authority and efficial ICP contributes are printed as a large-backward paper stock with blan saves must be reserved every three parts. American Printienza Institute, 200 Researchanth Instant, MI	and automatical and incomparis and full and alcohomic. This confidence should be written to be a first incomparison of a first
man an research cong serve part, non car recorder sould's, 200 Managariti Antain, An	

(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.

		CEU's	4.0	4.0		raining mplies horzed 1-2018 1-2018 CCET).	
2 E C E C E C	I	No. of Contact Hours	40		TRUE COPY Security Jaryl Castillo Academic Director	Auculator la Contruy Exaction an Transp action strendory. As and a transpa- cient strendory. As a mark a known action strendorm. As a mark a known action strendorm. As a mark and and action and action action action action and guardea. The CLL a mark and action and guardea.	
gy Middle East elopment (HTME-CPD) cript of Record		Program Date	Nov 10-14, 2022		P. Con	International a approval. It of of pool p CEUs for p CEUs for p constructional Association	y is accredited by
Haward Technology Middle East Continuing Professional Development (HTME-CPD) CEU Official Transcript of Records	14-Nov-22 74852 Salem Ghanem	Program Title	API-580: Nisk Based Inspection (API Exam Preparation Training)	Total No. of CEU's Earned as of TOR Issuance Date		spended as an According Parket Parket and Construction and According to the one and an action science of a dis- mand Tachnology, a subscript to dis- meter the professional confination and most the professional confination and these with the A magatance of the theory that a condition of the statistic course of confining educide	Haward Technolog
k	TOR Issuance Date: HTME No. Participant Name:	Program Ref.	FE0920	Total No. of CEU's E		Hervert Technology has been (AVEI). 2017. Cooperation May, Se and Tan ANSIAACET 1-2018 S Provide membanchip status, H Sandard, Technology's courses Heaved Technology's courses Education (Technology's courses Retarded to the (ELL) in according ALET is an international autorication according to metaneous	***C

FE0920 - Page 4 of 11

FE0920-02-25|Rev.317|11 October 2024





Certificate Accreditations

Certificates are accredited by the following international accreditation organizations:

The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **4.0 CEUs** (Continuing Education Units) or **40 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

• **BAC**

British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-ofthe-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Practical Workshops & Work Presentations
- 30% Hands-on Practical Exercises & Case Studies
- 20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.



FE0920 - Page 5 of 11





Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



Mr. Steve Murphy is a Senior Inspection Engineer with almost 30 years of extensive industrial experience within the Oil & Gas, Refinery and Petrochemical industries. His expertise widely covers in the areas of Pressure Vessel Inspection (API 510), Piping Inspection (API 570), Risk Based Inspection (API 580), Damage Mechanisms (API 571), Aboveground Storage Tank Inspection (API 653), Asset Integrity Management, Welding & Fabrication, Piping Inspection, Pipelines, Risk-Based Inspection (RBI), Fitness-for-Service (FFS), Asset Integrity Management (AIM), Plant Inspection & Corrosion Engineering,

Metallurgy, Corrosion & Prevention of Failures, Material Selection & Properties, Welding Technology, Welded Steel Tanks for Oil Storage, Cathodic Protection, Damage Mechanisms, Mechanical & Metallurgical Failure Mechanisms, Atmospheric & Low-Pressure Storage Tank Inspection, Welding Inspection & Metallurgy Pressure Design Thickness Calculation, Metallurgy, Corrosion, Mechanical Integrity Assessment, Vibration Analysis, Pressure & Hydrostatic Leak Testing, Pneumatic Leak Testing & Calculations, Preheating & Heat Treatment Requirements, Pressure Piping Design, Pressure Piping Inspection Practices, Piping Inspection, Repair & Re-rating, Corrosion & Remaining Life Calculation, Fabrication & Inspection, Conventional & Advanced Nondestructive Testing (NDT), Positive Material Identification (PMI), Pressure-Relieving Devices and Construction, Installation Fabrication, Erection, Inspection, Maintenance, Operation, Rating, Repair, Alteration, Reconstruction, Pigging, Integrity Assessment, Flaw Evaluation and Fitness-for-Service (FFS) of Piping. He is currently the Plant API Inspector wherein he is responsible for the statutory inspection of process plant and all pressurized equipment on the new three-train natural gas facility.

During his career life, Mr. Murphy has gained his practical and field experience through his various significant positions and dedication as the Senior Project Quality Control Manager, Acting QA Manager, Site EPC Quality Manager, Asset Integrity Management Specialist, Quality Specialist, Asset Integrity Engineer, Quality Engineer, Senior Piping Inspector, Lead Corrosion Inspector, Statutory Inspector (TPI), Senior NDE Technician, Mechanical Surveyor, Quality Coordinator and Project Management Team Quality Control Representative for various international companies like the Chuandongbei Gas Project, PT Donggi-Senoro LNG, Oceaneering – CABGOC (Chevron), Fluor Mid-East Ltd, Fluor Arabia Ltd, ENGEN Petroleum Refinery Ltd, Inspection Services – Sasol II, Badger Africa, Gasal Management Systems (Pty) Ltd. and PETROSA.

Mr. Murphy has a **Bachelor's** degree in **Engineering** and **Foundation** degree in **Materials Fabrication & Engineering** from the **Open University**, UK. Further, he holds a **Diploma** in **Welding Technology** from the **TWI Cambridge**, UK and a **Certified Quality Assurance & Quality Control** from the **City & Guilds**, UK. Moreover, he is a **Certified Instructor/Trainer**, a Certified Pressure Vessels Inspector (**API 510**), a Certified Piping Inspector (**API 570**), a Certified Corrosion & Material Specialist (**API 571**), a Certified Risk Based Inspector (**API 580**), a Certified Above Ground Storage Tank Inspector (**API 653**), a **NACE – CIP Coating Inspector Level 1** from the National Association of Corrosion Engineers (**NACE-USA**), a **Certified SAIW Level II Welding/Fabrication Inspector**, a **Certified CSWIP 3.2 Senior Welding Inspector**, a **Certified SAIW-SAQCC IPE** (**Inspector of Pressurized Equipment**) and a **SAIW Certified Level II** in Magnetic Particle Testing (**MT**), Liquid Penetrant Testing (**PT**), Ultrasonic Testing (**UT**) and Radiographic Testing (**RT**). He is a **Registered Incorporated Engineer** by the Engineering Council (The Welding Institute) and has further delivered numerous courses, workshops, trainings, seminars and conferences worldwide.



FE0920 - Page 6 of 11





Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Training Fee

Istanbul	US\$ 6,000 per Delegate + VAT . This rate includes Participants Pack (Folder, Manual, Hand-outs, etc.), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Dubai	US\$ 5,500 per Delegate + VAT . This rate includes H-STK [®] (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Al Khobar	US\$ 5,500 per Delegate + VAT . This rate includes H-STK [®] (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day
Abu Dhabi	US\$ 5,500 per Delegate + VAT . This rate includes H-STK [®] (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Exam Fee

US\$ 550 per Delegate + VAT.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Dav 1

Registration & Coffee
Welcome & Introduction
PRE-TEST
Introduction to API 580 & Risk-Based Inspection (RBI)
Overview of API 580 • Importance of RBI in Industry • Goals & Benefits of
Implementing an RBI Program
Break
Risk-Based Inspection Methodologies
Qualitative, Semi-Quantitative & Quantitative Methods • Selection Criteria for
RBI Methodology • Integration of RBI into Inspection Programs
Risk Assessment & API 581
Basic Concepts of Risk: Likelihood & Consequence • Risk Matrix & Risk Ranking •
Introduction to API 581 Risk Assessment Procedures
Lunch
Damage Mechanisms (API RP 571)
Common Damage Mechanisms in the Refining & Petrochemical Industry • Impact
of Damage Mechanisms on Risk Assessment
Planning & Scoping for RBI
Identifying Equipment & Circuits for RBI • Data Collection & Documentation for
RBI Assessment • Integration with Plant Inspection Data
Break



FE0920 - Page 7 of 11





	Regulatory & Industry Standards for RBI
1545 - 1645	Overview of Relevant API Standards (API 510, 570, 653) • Legal & Regulatory
	Framework Affecting RBI
1645 – 1700	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1700	End of Day One

Day 2

0730 - 0830	Review of Day 1
0830 - 0930	Probability of Failure (POF)
	Factors Affecting POF • Inspection History & POF • Data Analysis & Interpretation
0930 - 0945	Break
0945 – 1100	Consequence of Failure (COF)
0945 - 1100	Safety, Environmental & Financial Impacts • COF Calculation Methodologies
	RBI Inspection Techniques
1100 – 1200	Non-Destructive Testing (NDT) Methods • Selection of Appropriate NDT Methods
	Based on Risk
1200 - 1300	Lunch
	Inspection Planning & Scheduling
1300 - 1430	Prioritizing Inspection Activities Based on Risk • Developing Inspection Plans &
	Schedules
	Data Quality & Management
1430 – 1530	Importance of Data Quality in RBI Assessment • Data Management Practices &
	Tools
1530 - 1545	Break
1545 - 1645	Software Tools for RBI
1545 - 1645	Overview of Available RBI Software • Criteria for Selecting RBI Software
	Recap
1645 – 1700	<i>Using this Course Overview, the Instructor(s) will Brief Participants about the Topics</i>
	that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1700	End of Day Two

Dav 3

Day J			
0730 – 0830	Review of Day 2		
	Developing an RBI Program		
0830 - 0930	Steps to Implement an RBI Program • Integration with Existing Asset Management		
	Systems		
0930 - 0945	Break		
	RBI Program Maintenance		
0945 – 1100	Review & Update of RBI Assessments • Managing Changes in Process Conditions or		
	Equipment		
1100 – 1200	Case Studies: Implementing RBI		
1100 - 1200	Examples of Successful RBI Implementation • Lessons Learned & Best Practices		
1200 – 1300	Lunch		
1200 1420	Risk Communication & Reporting		
1300 – 1430	Communicating Risk to Stakeholders • Reporting Requirements & Formats		
	Performance Measurement & Improvement		
1430 - 1530	Key Performance Indicators (KPIs) for RBI Programs • Continuous Improvement in		
	RBI Processes		
1530 - 1545	Break		
	FE0920 - Page 8 of 11 FE0920 - Page 8 of 11		



FE0920-02-25|Rev.317|11 October 2024



	RBI Program Audit & Review
1545 - 1645	Audit Objectives & Methodologies • Addressing Findings & Implementing Corrective
	Actions
	Recap
1645 – 1700	Using this Course Overview, the Instructor(s) will Brief Participants about the Topics
	that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1700	End of Day Three

Day 4

0730 - 0830	Review of Day 3
	Advanced Risk Assessment Techniques & Management
0830 - 0930	Quantitative Risk Assessment (QRA) • Detailed Methodologies for QRA • Case
	Studies on QRA Application
0930 - 0945	Break
0945 – 1100	Reliability-Centered Maintenance (RCM) & RBI
0945 - 1100	Integrating RCM with RBI • Optimizing Maintenance Strategies Based on Risk
	Life Cycle Cost Analysis
1100 – 1200	Cost-Benefit Analysis for Inspection Interventions • Economic Modeling of RBI
	Decisions
1200 - 1300	Lunch
	Advanced Inspection Technologies
1300 – 1430	Latest Advancements in NDT & Inspection Technologies • Application of Advanced
	Technologies in RBI
	Human Factors & Organizational Impact on RBI
1430 – 1530	Role of Human Factors in Risk Assessment • Organizational Culture & its Impact on
	RBI Effectiveness
1530 - 1545	Break
	Safety & Environmental Considerations in RBI
1545 - 1645	Incorporating Safety & Environmental Risks • Compliance with Safety &
	Environmental Regulations
	Recap
1645 – 1700	<i>Using this Course Overview, the Instructor(s) will Brief Participants about the Topics</i>
	that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1700	End of Day Four

Day 5

0730 – 0830	Review of Day 4
	Review & Exam Preparation
0830 - 0930	Review of API 580 & 581 Key Concepts • Critical Elements of API 580 & 581 •
	Recap of Main Topics & Principles
0930 - 0945	Break
0945 – 1100	Sample Exam Questions & Discussion
0945 - 1100	<i>Reviewing Sample Questions</i> • <i>Discussion on Approaches to Answering Questions</i>
	Exam Strategies & Time Management
1100 – 1230	Tips for Effective Exam Preparation • Strategies for Managing Time During the
	Exam
1230 - 1330	Lunch
	Case Study Workshop
1330 – 1500	Group Discussion on a Comprehensive RBI Case Study • Practical Application of
	RBI Concepts & Methodologies
1500 - 1515	Break



FE0920 - Page 9 of 11 FE0920-02-25|Rev.317|11 October 2024





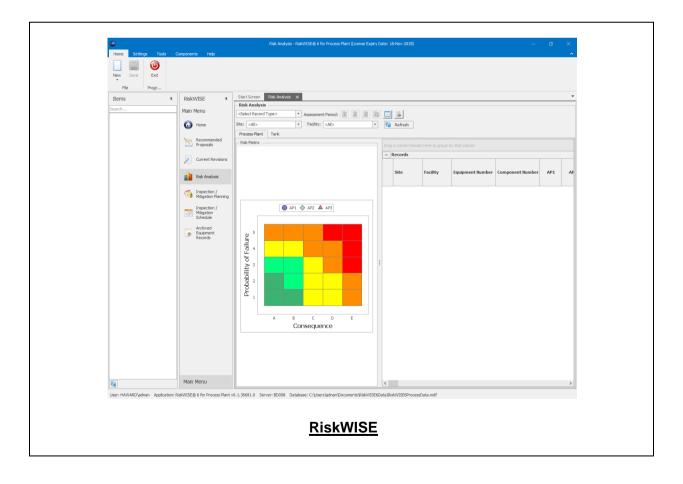
	Open Q&A Session
1515 – 1615	Addressing any Remaining Questions & Clarifications • Sharing Resources for
	Further Study
	Course Conclusion
1615 – 1630	Using this Course Overview, the Instructor(s) will Brief Participants about the
	Course Topics that were Covered During the Course
1630 - 1645	POST-TEST
1645 – 1700	Presentation of Course Certificate
1700	End of Course

MOCK Exam

Upon the completion of the course, participants have to sit for a MOCK Examination similar to the exam of the Certification Body through Haward's Portal. Each participant will be given a username and password to log in Haward's Portal for the MOCK Exam during the 30 days following the course completion. Each participant has only one trial for the MOCK exam within this 30-day examination window. Hence, you have to prepare yourself very well before starting your MOCK exam as this exam is a simulation to the one of the Certification Body.

Simulator (Hands-on Practical Sessions)

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using the state-of-the-art simulator "RiskWISE" and "IntegriWISETM".





FE0920 - Page 10 of 11





Home Tool Help New Assessment Site Facility Equipment Component / Equipment	IntegriWISE Exit Exit	- • × ~ ()
Items Search	Inte	DINISE Fitness-for-Service Assessment Tool
User: USER-PC2/user1 Server: USER-PC2 Database: C:/Users/use Home Tool Help New Assessment Site Paolity Equipment Component Assessment Component / Equipment	IntegrWIS	
	Inte	Equipment Number* Equipment Number* Equipment Name Design Code Description Site* Facity* Manufacturer* Pacity* Manufacturer* Peign Pressure Peign Pressure Peign Pressure NPa Peign
Ra		OK Cancel

Course Coordinator Mari Nakintu, Tel: +971 2 30 91 714, Email: mari1@haward.org



FE0920 - Page 11 of 11

