



**WORK BASED TRAINING PROGRAM**

**CERTIFIED QUALITY INSPECTOR**

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Date : 18,19,20,21 & 22 September 2015  
Location : Hotel Seri Malaysia - Malacca, Malaysia  
Fees : RM2900.00 - Cover by HRDF Training Incentives  
(Open for employer register with HRDF)

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**Certification:**

*Certified Quality Inspector – Accredited by IRQAO (International Registered of Quality Assessed Organization, UNITED KINGDOM)*

**AUDITING • RESEARCH • TRAINING**

# WELCOME TO CQIr

## WORK BASED TRAINING COURSE

### COURSE INTRODUCTION

In today's world, where competition is a fact of life and the need for a work force to be proficient in the principles and practices of quality control. The CQI (Certified Quality Inspector) show a mark of excellence to your organization CUSTOMERS or POTENTIAL CUSTOMERS. It demonstrates that your certified QC has the knowledge to ensure quality of products and services for them and provide CONFIDENCE to your CUSTOMERS.

Under professional direction and training, the quality inspector will be coach and assess to evaluate effective QC documentation, performs laboratory procedures, inspects products, measures process performance, records data, and prepares formal reports.

### ASSESSMENT OF CQIr

*Submission of 3 assignments (Work based - Project paper)*

*Upon passed Examination*



## **COURSE OBJECTIVES**

### **Course Objectives of a Certified Quality Inspector**

#### Module 1 QAware

- 🔧 Know basic quality terms, definitions, and concepts.
- 🔧 Understand KANO model of customer requirements
- 🔧 Translate KANO model to 3F (Form, Fit and Function)

#### Module 2 QAQC

- 🔧 Know basic quality assurance and quality control definition.
- 🔧 Understand how QAQC evolved
- 🔧 Recognised the philosophy of 3 Quality Guru (Deming, Juran, Crosby)

#### Module 3 QNc

- 🔧 Develop the CTQ
- 🔧 Identify nonconforming product (defects)
- 🔧 Understand the defect Effect
- 🔧 Aware on the cause of defects

#### Module 4 QCon

- 🔧 Understand different type of inspection methods.
- 🔧 Judgement Inspection
- 🔧 Informative Inspection (including Self and Successive)
- 🔧 Source Inspection
- 🔧 Error Proofing

### **Assignment 1**

#### Module 5 QMath

- 🔧 Understand type of data and inspections
- 🔧 Identify the unit for variable data
- 🔧 Basic Statistic and Algebra

#### Module 6 - QSample

- 🔧 Able to use inspection planning tools and perform a product audit; determine sample size for lots; pull random samples.

#### Module 7 QGdt

- 🔧 Able to read and interpret blueprints (drawing) and know definitions of critical, major, and minor characteristics.
- 🔧 Improve knowledge of ASME Y14.5M, working knowledge of GD&T, and understand the x, y, z coordinate system.

#### Module 8 QGsc

- 🔧 Know how to measure using correct measuring equipment effectively
- 🔧 Basic calibration knowledge.

- 🔧 Know the difference between accuracy and precision and be able to select the appropriate measuring tools and techniques.
- 🔧 Understand traceability (product, material, and calibration).

## **Assignment 2**

### Module 9 QMsa

- 🔧 Able to identify/recognize inspection errors and initiate resolution.
- 🔧 Method for Variable GRR
- 🔧 Method for Attribute GRR

### Module 10 QSpC -

- 🔧 Monitor for product/ process stability
- 🔧 Understand the capability concept.

### Module 11 QIp (Inspection Instruction and Plan)

- 🔧 Develop effective Inspection Instruction
- 🔧 Develop effective Inspection Plan
- 🔧 Develop effective Inspection check sheet/ form

### Module 12 QAp

- 🔧 Analysis and data presentation

## **Assignment 3**

### Examination and Evaluation

## DAY 1

08:30 Registration  
09:00 Course Introduction  
- Course objectives  
- Course Assessment  
- Course timetable  
09:30 Chapter 1  
10:30 **Snack Break**  
10:50 Chapter 2  
  
13:00 **Lunch**  
14:00 Chapter 3  
15:30 **Snack Break**  
15:50 Chapter 3 - continue  
17:00 End

## DAY 2

09:00 Chapter 4  
10:30 **Snack Break**  
10:50 Chapter 5  
  
13:00 **Lunch**  
14:00 Chapter 5 – continue  
15:00 Chapter 6  
15:30 **Snack Break**  
15:50 Chapter 6 – continue  
16:30 Briefing on assignment  
17:00 End

## DAY 3

09:00 Chapter 7  
10:30 **Snack Break**  
10:50 Chapter 7 - Continue  
13:00 **Lunch**  
14:00 Chapter 8  
15:30 **Snack Break**  
15:50 Chapter 8 - Continue  
17:00 End

## DAY 4

09:00 Chapter 9  
10:30 **Snack Break**  
10:50 Chapter 9 - Continue  
13:00 **Lunch**  
14:00 Chapter 10  
15:30 **Snack Break**  
15:50 Chapter 10 - Continue  
17:00 End

## DAY 5

09:00 Chapter 11  
10:30 **Snack Break**  
10:50 Chapter 12  
13:00 **Lunch**  
14:00 Chapter Assessment  
16:00 End