

COURSE TITLE

MEASUREMENT SYSTEM ASSESSMENT (MSA)

Introduction

A capable measurement system will enhance the effectiveness and efficiency in implementing any process control program and improvement initiatives because the actual variables of interest now lies directly with the processes itself.

The methodology adopted for MSA is referenced to AIAG-MSA and AS13003.

Course Fees

Member: \$782.62

Non-Member: \$867.64

All fees stated are inclusive of Registration Fee & 9% GST

OBJECTIVES

This course will enable the participants to:

- Understand the fundamental principle of measurement system and its effect and impact on the quality of measurement data and the accuracy of the process analysis.
- Identify the types of variations influencing the measurement system performance.
- Acquire the use of statistical techniques, skills and ability to assess the measurement system.
- Select the appropriate statistical methods for evaluating the measurement system in different environments.



**SINGAPORE
QUALITY
INSTITUTE**

WHO SHOULD ATTEND

This course is particularly suitable for and beneficial to Engineers, Supervisors, Process Specialists or any personnel involved in quality assurance, process control and improvement activities.

2026

Course Brochure

QUALITY TOOLS &
TECHNIQUES
- MEASUREMENT
SYSTEM
ASSESSMENT
(MSA)

COURSE CONTENTS

- Main Concept of Measurement System
- Types of Measurement System Variation
- Computation Techniques associated with GR&R
- Analysis of a Measurement System
- Effects of Measurement System Variability
- Assessing Measurement Systems
- Variable Measurement System Study
- Attribute Measurement System Study
- Method for reducing Unacceptable GR&R Result
- Application of Calibration Techniques in Measurement System
- Impact of GR&R on Process Capability Studies
- Class-room Assignment and Exercises

TRAINER

This course is conducted by Trainers who are experienced in the areas of organizational business excellence, quality management, change management, risk management, business continuity, project management and auditing.

AWARD OF CERTIFICATE

Certificate of Completion will be issued to participants who have attended at least 75% of the course

DURATION

2 days
9am – 5pm
14 hours



CONTACT

(+65) 6467 4226
401 Macpherson Road #03-15/6/17
Macpherson Mall
Singapore 368125
enquiries@sqi.org.sg
www.sqi.org.sg



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