Ascendent Technology Sdn. Bhd.
(Rated as 5 Star Training Provider by PSMB)





Applicable

SBL-Khas

Measurement Systems Analysis (MSA)



## **MEASUREMENT SYSTEM ANALYSIS (MSA)**

## **PROGRAMME OVERVIEW:**

Measurement System Analysis is a two-days course. Conducted in both theory and workshops. It develops understanding of the MSA-4 Reference Manual through group activities and individual participation that meeting IATF 16949 clause 7.1.5 requirements. In general, the participants will gain an understanding of the MSA-4 Reference Manual, its impact on quality systems and able to apply the knowledge in the implementation of IATF 16949 QMS.

## TARGET GROUP:

Quality managers / Quality team leaders, IATF 16949 1st, 2nd, 3rd party auditors, anyone involved in developing MSA, Anyone involved in the implementation of IATF 16949

## **OBJECTIVES:**

At the end of the course, participants are expected to:

- 1) Understand the MSA-4 Reference Manual and its impact on quality systems.
- 2) Comprehend the elements of the MSA and the relationship of MSA to a quality System
- 3) Look into organizational applications, categories of measurement system variation
- 4) Under take Gage Repeatability and Reproducibility
- 5) Direct application to IATF 16949 and the TE Supplement.

CC	NTENT:
1)	Categories of measurement error
2)	Measurements systems and the measurement process
3)	Measurement system study and planning
4)	Bias, Linearity, Stability, Repeatability, Reproducibility
5)	Measurement system analysis and studies – Graphical & Numerical Analysis
6)	Examples of MSA
7)	Measurement studies for attributes
8)	Workshop
ME	THODOLOGY:
Led	ctures, discussion, exercise and group workshop.

D D T	ourse Fee ate uration ime enue RDF	PUBLIC TRAINING  : RM 2,100 Per Pax : Refer to Training Calendar : 2 Days : 9:00 AM - 5:00 PM : Ascendent Technology Sdn Bhd : SBL-Khas	Participant Designation Department Email Mobile No  Participant Designation Department Email	: : : : : : : : : : : : : : : : : : : :	Mr / Ms			
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<ol> <li>3.</li> <li>4.</li> <li>5.</li> </ol>	<ol> <li>Ascendent Technology Sdn.Bhd. reserves the right to cancel, postpone or make any changes to the venue and training dates due to unavoidable circumstances.</li> <li>Reservation can be made by telephone or email, but will only be confirmed upon the received of completed registration form and payment.</li> <li>Please do not make any travel arrangements until you have received written confirmation for your registration from us.</li> <li>No cancellation is allowed but a candidate replacement can be arranged.</li> <li>For confirm cancellation: 7 days notice prior to commencement will subjected to RM250 service charge. If less than 7 days notice, there will be no refund.</li> <li>Confirm postponement for in-house training less than 14 days notice prior to commencement will subjected to 50% service charge on total invoice.</li> </ol>		Department Email Mobile No  All cheques short TECHNOLOGY S  to Admittance will before the cours  an Training certifica	Designation :				
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**REGISTRATION FORM (QT04):**