

Total Quality Management

Introduction Historical evolution of Total Quality Management Some definitions of quality

- 3.1 Exceptional
- 3.2 Perfection or consistency
- 3.3 Fitness for purpose
- 3.4 Value for money
- 3.5 Transformative
- 3.6 Conclusion

4 Philosophy, principles and concepts of TQM

- 4.1 The foundation and the four sides of the TQM pyramid
- 4.2 Focus on the customer and the employee
- 4.3 Focus on facts
- 4.4 Continuous improvements
- 4.5 Everybody's participation

5 Quality management systems and standardization

- 5.1 The concept of system
- 5.2 Quality management systems
- 5.3 Joharry's new window on standardization and causes of quality failures
- 5.4 Standardization and creativity
- 5.5 ISO 9000 and BS 5750—a stepping stone to TQM?

6 The European Quality Award

- 6.1 The background to the European Quality Award
- 6.2 The model
- 6.3 Assessment criteria
- 6.4 Experiences of the European Quality Award

Part Two Methods of Total Quality Management

7 Tools for the quality journey

- 7.1 The quality story
- 7.2 The seven+ tools for quality control
- 7.3 Check sheets
- 7.4 The Pareto diagram
- 7.5 The cause-and-effect diagram and the connection with the Pareto diagram and stratification
- 7.6 Histograms
- 7.7 Control charts
- 7.8 Scatter diagrams and the connection with the stratification principle
- 7.9 Case example: problem solving in a QC circle using some of the seven tools (Hamanako

Denso)

7.10 Flow Charts

7.11 Relationship between the tools and the PDCA cycle

8 Some new management techniques

- 8.1 Matrix data analysis
- 8.2 Affinity analysis



8.3 Matrix diagrams

- 8.4 Prioritization matrices and analytical hierarchies
- 8.5 An example

9 Measurement of quality: an introduction

10 Measurement of customer satisfaction

10.1 Introduction

- 10.2 Theoretical considerations
- 10.3 A practical procedure

11 Measurement of employee satisfaction

- 11.1 Set up focus with employees to determine relevant topics
- 11.2 Design the questionnaire including questions about both evaluation and importance for each

topic

11.3 Compile presentation material for all departments and present the material to the departments

11.4 Carry out the survey

- 11.5 Report at both total and departmental level
- 11.6 Form improvement teams
- 11.7 Hold an employee conference

12 Quality checkpoints and quality control points

13 Quality measurement in product development

- 13.1 Definition of the quality concept from a measurement point of view
- 13.2 Direct measurement of quality
- 13.3 Indirect measurement of quality

14 Quality costing

- 14.1 The concept of TQM and quality costs
- 14.2 A new method to estimate the total quality costs
- 14.3 Advantages and disadvantages of the new method to estimate total quality costs
- 14.4 Quality cost measurement and continuous improvements

15 Benchmarking

- 15.1 What is benchmarking?
- 15.2 What can be benchmarked?
- 15.3 How is benchmarking carried through?
- Part Three Process Management and Improvement

16 Leadership, policy deployment and quality motivation

- 16.1 Introduction
- 16.2 The PDCA Leadership Model-a model for policy deployment
- 16.3 Leadership and quality motivation
- 16.4 Conclusion

17 Implementation process

- 17.1 Introduction
- 17.2 Four stages of implementation
- 17.3 Plan
- 17.4 Do
- 17.5 Check
- 17.6 Act

18 Quality culture and learning

- 18.1 Introduction
- 18.2 The concept of culture
- 18.3 Organizational theory and corporate culture
- 18.4 Corporate culture

18.5 Classifying a culture18.6 Corporate and quality culture18.7 Working with quality culture18.8 Quality culture, quality improvement and TQM

18.9 Quality learning18.10 Conclusion