

Executive Certificate in

Operations, Distribution and Logistics Management

- An Innovative Approach

35-hour Workshop + Project Assignment

Introduction

This course is designed to cover the body of knowledge required by the Theory of Constraints International Certification Organization (TOCICO) for the certification of Practitioners in Supply Chain Logistics Application. Upon completion of this course, participants' should have the ability to pass the TOCICO Examination and become a certified TOC Supply Chain Logistics Practitioner.

What is TOC?

Theory of Constraints (TOC) is an emerging management philosophy introduced by Dr. Eliyahu M. Goldratt, the world's well-known guru in system management. TOC provides a set of holistic processes and rules, all based on a system approach that brings quick and significant improvements in performance of companies and organizations.

Why TOC?

TOC has proved success in Manufacturing, Distribution, Financial Services, Health, Defense, Government and Education industries. Dr. Goldratt's Theory of Constraints is being used by thousands of corporations, and is taught in over 200 colleges, universities and business schools. His books have sold over 4 million copies and have been translated into 23 languages.

TOC Application to Supply Chain

This course provides a fundamental knowledge and understanding of TOC applications in Supply Chain Management

1. The TOC methodology, knowledge and practical know-how for managing production, distribution and logistics management;
2. Changes that should be introduced in planning and controlling the execution of the planning of supply chain in order to make the system flexible and reliable;
3. Changes must be done in the system of procurement of raw materials and components to ensure that the production area has what is needed in order to perform the production processes and in order to deliver their commitment to the customers;
4. How to cope with the uncertainty in the supply chain system;
5. How to manage supply chains that have a huge number of inventory items (SKU – Stock Keeping

Units) in many locations in a way that ensures high level of availability of the items coupled with very high (better than competitors) inventory turns to support the financial performance of the supply chain;

6. How to plan and maintain the correct level of inventory throughout the supply chain from production, central warehouse to retail outlets;

Purpose of this Course

The purpose of this Course is to equip participants with specialized TOC solutions related to operations, distribution and logistics management, enable them with knowledge and skills to implement TOC solutions and generate rapid business results.

Expected Outcomes

Upon completion of the course, participants should:

1. Have a comprehensive knowledge and skills on supply chain arenas of the Theory of Constraints.
2. Have competency to apply these knowledge and skills for their organizations in achieving breakthrough business results.
3. Have a capability to pass all TOCICO Practitioner Certification in Supply Chain Logistics Application

Targeted Participants

The course is designed for CEOs, operation directors, second layer senior managers, production and logistic and quality professionals of manufacturing companies, to equip them with full spectrum knowledge of application of TOC in operations and logistics management that is essential to generate rapid and breakthrough business financial results.

Contents

1. Introduction to TOCICO certification Requirements
2. Overview of TOC Applications in Supply Chain Management
3. Problems of Current Production System
4. The Core Conflict in Operations and Distribution Systems.
5. The Root Cause of Current Problems
6. The Direction of Improvement
7. Identify the system's constraint(s) for the operations, distribution.
8. The five-step focusing process
9. Identify and communicate obstacles arise in Supply Chain Logistics implementations
10. Derive intermediate objectives (IO's).
11. Create IO maps and PreRequisite Trees (PRT's).
12. P&Q Exercise
13. TOC Performance Measurements
14. Using T, I, & OE for Decision Making
15. Compare Conventional Practices with DBR and Buffer Management,

16. Create a schedule based on S-DBR principles.
17. Apply the Solution in the Four Possible Plant Types (VATI).
18. Apply Simplified DBR (S-DBR) in make-to-stock (MTS), make-to-order (MTO) and combination environments (MTS and MTO).
19. When Critical Chain should be Applied in a Plant Instead of S-DBR.
20. The TOC Game
21. Case Example: DBR 的半导体晶圆制造生产调度
22. TOC Application to Distribution and Logistics
23. Compare Conventional Practices for Distribution/Logistics with the TOC Distribution Solution,
24. SCM Performance Measures
25. Distribution Solution in Environments with and without Aggregation of Demand:
26. Determine the size and location of buffers
27. Supply Chain Game
28. Case Example: TOC 理论的分销系统库存控制模型
29. Supply Chain Exercise
30. Effectively overcome the layers of resistance through application of the buy-in steps.

Teaching Methodology:

Interactive lectures, group discussions, exercises, simulation games, case studies, videos, etc.

Time and Venue

Time: Please visit our website/backward pages for details of other schedules

Project Examination: To be Arranged Individually

Venue: Unit 1234 Star House, East Block, 3 Salisbury Road, Kowloon

Language

Cantonese/English with English Handouts

Leading Facilitator

Ir. Dr. YK Chan, FHKIE

Engineering Doctorate (Warwick), EngD

Doctor of Management (IMC/SCU), DMgt

Registered Six Sigma Master Black Belt, RSSMBB

Registered Lean Specialist, RLS

TOCICO Certified TOC Practitioner

Examinations and Certificates

Participants who complete this programme and submit one individual project assignment will receive a certificate jointly granted by SSI and the Global Institute of Management (Executive Certificate in Operations, Distribution and Logistics Management – An Innovative Approach).

Arrangement will then be made to facilitate participants to join the TOCICO's Supply Chain and Logistics Management Practitioner Certification Examination.

Implementation Coaching Service

Participants who are nominated by their company and tasked with TOC implementation in their organization, coaching service is available by our internationally well-known TOC experts for their successful TOC implementation. The name list of such renowned experts is available upon request. They can consider employing them as external consultants for further services such as identifying business improvement opportunities, finding out root causes, formulating solutions and successful execution.

Fee

Please contact us about course fee and DISCOUNT details.

Enquiry:

Mr. Wood Cheung Tel: 2581 2771 email: info@ssi.org.hk

Organizers

**The Six Sigma Institute,
The Global Institute of Management**