



PROJECT IMPLEMENTATION PLAN

21 November 2017

1. **Project Code** 17-IN-06-GE-DLN-A-10
2. **Title** Self-learning e-Course on Sustainable, Resilient Supply Chains and Integration into Global Value Chains
3. **Reference** Project Notification 17-IN-06-GE-DLN-A dated 22 December 2016
4. **Timing and Duration** 1 January–31 December 2018 (12 months)
5. **Implementing Organizations** APO Secretariat and National Productivity Organizations (NPOs)
6. **Number of Participants** Minimum 400 participants
7. **Self-registration** Self-registration opens from 10:00 AM Japan Standard Time on 20 December 2017 on the eAPO web portal: <http://eAPO-tokyo.org>

Note: Participants can register directly from this portal on the APO website. Those who are already registered can access the course by using the assigned username and password. If you have forgotten your username and password, please refer to the help page on the home page of the portal.

8. Objectives

The overall objective of the course is to discuss and explain the significance and ramifications of supply chain resilience in organizations. It is also meant to achieve the following detailed objectives:

- a. Identifying the factors that help build resilience in supply chains;
- b. Explaining the key principles that affect supply chain resilience;
- c. Differentiating between risks and opportunities;
- d. Interpreting the use of various risk-assessment templates;
- e. Discussing various standards associated with supply chain resilience and risk management; and
- f. Outlining the general steps to enhance supply chain resilience.

9. Background

A key characteristic of today's world is inherent dynamic change occurring at an unprecedented rate. This needs to be managed to minimize negative effects. Firms in this environment must maintain efficiency in the delivery of products and services, which requires resiliency and agility in dealing with change. In addition, adverse events such as natural and man-made disasters can suddenly disrupt processes firms depend on to add value to their entire operations. Such disruptions not only affect individual firm functions but also their entire supply chains, resulting in potential widespread financial losses. While those

losses might not be preventable, they can be anticipated and therefore limited with proper foresight management. This is the essence of supply chain resiliency, which is related to the ability of value chain systems to minimize the impact of disruptions by first avoiding undue exposure and then shortening recovery periods. When these two underlying concepts of resiliency can be integrated into systems and maintained flexibly, the concept of sustainability can be translated into optimal value chain management.

This course will examine the concepts and critical elements of resilient, sustainable supply chains using diverse disruption scenarios applicable to enterprises of all sizes in different sectors. It will also explain strategies that allow organizations to integrate their supply chains globally to expand their scope of activities and markets.

10. Scope and Methodology

Scope

The course will cover the following modules:

- Module 1: Course Overview
- Module 2: Introduction to Sustainable Supply Chains
- Module 3: Introduction to Supply Chain Resilience
- Module 4: Quality Management Systems (ISO 9001)
- Module 5: Environmental Management System (ISO 14001)
- Module 6: Course Assessment: Final Examination

Methodology

Self-learning interactive, animated modules, additional study material for participants, intermittent quizzes for self-assessment, and a final examination to qualify for the APO e-certificate for eligible participants.

11. Qualifications of Candidates

The target groups are supply chain or general managers of SMEs or other relevant private/public entities, productivity practitioners, and those involved in planning for/managing supply chain disruptions.

12. Eligibility for e-Certificate

A minimum score of 75% on the final examination is required to qualify for the APO e-certificate.

Note: Participants from nonmember countries are welcome to take the course for self-development, although APO e-certificates will not be provided.



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