Introduction to Climate and its Relation to Trade

Climate change has become the most significant global environmental issue of the 21st century. Consequently, reducing the greenhouse gas emissions responsible for climate change has become a primary goal for businesses. Achieving these reductions has led more than 40 governments at various levels—regional, national, and international—to establish carbon trading systems. The core implication of carbon trading is that an organization’s climate change strategies are increasingly vital to minimize financial and legal risks. More broadly, investing in a climate change and emissions trading strategy benefits companies by mitigating risks and fully capitalizing on any opportunities arising from emissions trading.

Target Audience

- Health, Safety, Environment, and Quality (HSEQ) Managers
- Environmental Managers
- Managers, Supervisors, and Consultants involved in Environmental Management Systems (EMS)

This course is suitable for anyone involved in the implementation, maintenance, or supervision of an ISO 14001 system.

Course Objectives
By the end of the course, participants will be able to:

1. Understand the significance of climate change and emission trading services for organizations.

2. Comprehend the process of developing a climate change and emission trading program and establishing exposure acceptance parameters.

3. Develop a robust management strategy for selecting internal emission reductions, purchasing credits, or generating credits to ensure compliance with the Kyoto Protocol.

4. Gain practical experience through a Climate Change & Emissions Trading Workshop, learning how to implement each action step.

5. Understand the implications of climate change and emission trading services for their organization.

Target Competencies

By the end of the course, participants will be able to:

1. Develop strategies for climate change and emissions trading.
2. Understand the identification of cost-benefit options for emission trading services.
3. Plan and manage climate change and emissions trading programs.
4. Develop strategies for an ISO 14001 Environmental Management System (EMS).

Course Content

Unit 1: Understanding the Basics

- Comprehend the meaning of climate change, global warming, and greenhouse gases.
- Assess your company’s exposure to the impacts of climate change.
- Understand the fundamentals of emissions trading and carbon credits.
- Overview of climate change policy and the requirements of the Kyoto Protocol.

Unit 2: Emissions Trading - System Design

- Different types of emissions trading systems.
- Advantages of emission trading services.
- Comparison of open and closed emission trading systems.
- Establish baselines and set emission exposure acceptance criteria.
- Concepts of banking and borrowing emissions trading and allocated limits.
- Financial implications of assessing climate change risks.

Unit 3: Develop a Management Strategy

- Learn about the three primary emission trading service options.
- Strategies for reducing internal emissions.

- Methods for purchasing credits for compliance.
- Investing in external projects to generate credits.
- Evaluate the most cost-effective emission trading route.
- Develop a portfolio of combined options.
- Create opportunities to capitalize on reduced emissions.

Unit 4: Climate Change and Emissions Trading

- Analysis of the EU Emissions Trading Scheme.
- Identify greenhouse gas emission inventories within your operations.
- Evaluate climate change emission risks and impacts.
- Formulate an emissions trading policy and strategy.
- Select an emission trading service portfolio.
- Establish monitoring and reporting systems for climate change and emissions.

Unit 5: Monitoring and Recording Emission Reductions

- Requirements for monitoring emission reductions.
- Systems for verifying and monitoring emission reductions.
- Register emission reductions to facilitate carbon trading.
- Ensure the quality and validity of emission reductions.

Summary of Key Points

- Introduction to climate change, greenhouse gases, and emissions trading systems.
- Understanding the Kyoto Protocol and related policies.
- Developing strategies for internal and external emission reductions.

- Evaluating and selecting the best emission trading systems and options.
- Monitoring, verifying, and reporting emissions reductions.