TYPE III ECO-LABEL (EPD) AWARENESS TRAINING

Course Title: Type III Eco-Label (EPD) Awareness Training

Course Validity: 1 Day

Validity: Not Applicable

HRD Corp Scheme: Claimable

INTRODUCTION

This training provides participants with a clear understanding of Type III Environmental Declarations (EPD) based on ISO 14025, focusing on independently verified and registered environmental performance data derived from Life Cycle Assessment (LCA). The programme explains Product Category Rules (PCR), system boundaries, impact categories, documentation requirements and verification processes. Participants will gain insights into EPD programmes, certification bodies, industry requirements, and how EPDs support green procurement, sustainability reporting and international market access. Practical examples of EPD formats, data sources and LCA-to-EPD workflows will also be discussed.

OBJECTIVE(S):

- Understand the purpose and structure of Type III Environmental Declarations under ISO 14025
- Learn how LCA data is used to generate verified EPDs
- Understand Product Category Rules, system boundaries and environmental impact categories
- Identify documentation, datasets and evidence needed for EPD development and verification
- Strengthen knowledge on EPD programmes, certification processes and verification requirements
- Enhance organisational readiness for EPD initiatives and market-driven sustainability demands

TARGET GROUP(S):

- Manufacturers and producers
- Sustainability and environmental teams
- QA/QC executives
- R&D and product development personnel
- Procurement and supply chain personnel
- Marketing, branding and ESG teams

ENTRY REQUIREMENT(S):

- Able to read, write, and communicate in Malay/English

TOPIC(S):

1. Introduction to Type III Environmental Declarations
2. Overview of ISO 14025 and ISO 14040/14044
3. Life Cycle Assessment (LCA) Fundamentals for EPD
4. Product Category Rules (PCR) and System Boundaries
5. Environmental Impact Categories (e.g., GWP, AP, EP, ODP, POCP)
6. Data Quality Requirements, Datasets and Inventory Analysis
7. EPD Development Workflow and Reporting Structure
8. Third-Party Verification and EPD Programme Operators
9. Market Benefits, Green Public Procurement and International Recognition
10. Implementation Planning for EPD Development

LIST OF REFERENCE BOOK(S):

- ISO 14025 Environmental Labels and Declarations – Type III Environmental Declarations
- ISO 14040 & ISO 14044 Life Cycle Assessment
- Relevant Product Category Rules (PCRs)
- EPD Programme Operator Guidance (e.g., EPD International, UL, SCS Global)

LIST OF TEACHING AID(S):

- LCD projector
- Computer
- Whiteboard with accessories

METHODOLOGY(S):

- Lecture
- Group discussions
- Case studies
- Implementation workshop

TRAINING SCHEDULE

Day 1

Time	Activity / Topic
8:30 am – 9:00 am	Registration and Introduction
9:00 am – 9:45 am	Topic 1: Overview of Type III EPD and ISO 14025
9:45 am – 10:30 am	Topic 2: LCA Foundations for EPD Development
10:30 am – 10:45 am	**Morning Tea Break**
10:45 am – 11:30 am	Topic 3: Product Category Rules and System Boundaries
11:30 am – 12:30 pm	Topic 4: Environmental Impact Categories and Data Requirements
12:30 pm – 1:30 pm	**Lunch Break**
1:30 pm – 2:30 pm	Topic 5: EPD Reporting Structure and Verification Process
2:30 pm – 3:30 pm	Topic 6: EPD Programme Operators and Market Applications
3:30 pm – 3:45 pm	**Afternoon Tea Break**
3:45 pm – 5:00 pm	Workshop: LCA-to-EPD Workflow Planning and Q&A