



HIGH CARBON STOCK (HCS) APPROACH TRAINING



MTBM Group Sdn. Bhd. (1600656-M)

Level 8, MCT Tower, Sky Park, One City, Jalan USJ 25/1, 47650 Subang Jaya, Selangor

Course Title: High Carbon Stock (HCS) Approach Training

Course Validity: 2 Days

Validity: Not Applicable

HRD Corp Scheme: Claimable

INTRODUCTION

This training provides participants with a complete understanding of the High Carbon Stock (HCS) Approach, a methodology used to identify forest areas that should be conserved and protected from land development. It covers HCS forest classification, carbon stock measurement, land-use planning, integration with High Conservation Value (HCV) assessments and alignment with NDPE (No Deforestation, No Peat, No Exploitation) commitments. Participants will learn how to apply the HCS Approach in plantation, forestry, agricultural and industrial development projects to ensure responsible land management and sustainable sourcing practices.

OBJECTIVE(S):

- Understand the principles and purpose of the High Carbon Stock Approach.
- Identify forest strata using HCS classification methods.
- Assess carbon stock levels and environmental attributes of land areas.
- Integrate HCS with HCV assessments and NDPE policy requirements.
- Conduct field assessments, satellite analysis and stratification.
- Apply land-use planning techniques using HCS decision-making tools.
- Prepare HCS documentation, maps and reporting structures.
- Support sustainable sourcing, supply chain compliance and zero-deforestation goals.

TARGET GROUP(S):

- Sustainability and ESG Teams
- Environmental Officers and Executives
- Plantation, Forestry and Agricultural Personnel
- Land-Use Planners and GIS Teams
- Supply Chain, Procurement and Compliance Personnel
- Project Managers and Development Planners
- Consultants, Assessors and Auditors involved in HCS/HCV work

ENTRY REQUIREMENT(S):

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

TOPIC(S):

1. Introduction to the High Carbon Stock Approach
2. HCS Philosophy, Framework and Global Applications
3. HCS-HCV Integrated Conservation and Land-Use Planning
4. Forest Stratification: Categories, Carbon Levels and Landscape Context
5. Satellite Imagery, GIS Mapping and HCS Toolkits
6. Field Data Collection: Plot Sampling, Tree Measurement and Verification
7. Decision-Making Framework for Land Development versus Conservation
8. NDPE Commitments and Responsible Supply Chain Requirements
9. HCS Documentation, Reporting and Stakeholder Engagement
10. Case Studies, Practical Exercises and HCS Implementation Roadmap

LIST OF REFERENCE BOOK(S):

- High Carbon Stock Approach Toolkit (latest version)
- High Carbon Stock Science Study Reports
- High Conservation Value (HCV) Assessment Guidelines
- NDPE Policy Frameworks and Sustainability Standards
- ISO 14001:2015 (Environmental Aspects and Land-Use Considerations)

LIST OF TEACHING AID(S):

- LCD projector
- HCS stratification maps and diagrams
- Sample field data sheets and GPS/GIS visuals
- Case study worksheets
- Flip chart or whiteboard

METHODOLOGY(S):

- Interactive lecture
- Group discussion
- Case studies
- Mapping and classification exercises
- Scenario-based land-use planning workshop

TRAINING SCHEDULE

Day 1

Time	Activity / Topic
8:30 am – 9:00 am	Registration and Introduction
9:00 am – 10:15 am	Topic 1: Introduction to the HCS Approach
10:15 am – 10:30 am	Morning Tea Break
10:30 am – 12:30 pm	Topic 2–3: HCS Framework and HCS–HCV Integration
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 3:30 pm	Topic 4: Forest Stratification and Carbon Levels
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Topic 5: Satellite Imagery and GIS Mapping Tools

TRAINING SCHEDULE

Day 2

Time	Activity / Topic
8:30 am – 9:00 am	Recap of Day 1
9:00 am – 10:15 am	Topic 6: Field Assessments and Carbon Stock Data Collection
10:15 am – 10:30 am	Morning Tea Break
10:30 am – 12:30 pm	Topic 7–8: Decision-Making Framework and NDPE Requirements
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 3:30 pm	Topic 9: Documentation, Reporting and Stakeholder Processes
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Topic 10: Case Studies and HCS Implementation Roadmap