



ISO 14064 Lead Verifier Training Syllabus



Accredited from



ISO 14064 LEAD VERIFIER TRAINING

6 Days Training Session

This 6-day online course focuses on the ISO 14064 series, The course is structured to provide participants with comprehensive knowledge and skills related to greenhouse gas (GHG) emissions quantification, reporting, and verification.

ISO 14064-1 Fundamentals

- » Introduction to Greenhouse Gas (GHG) Accounting and Reporting
- » Climate change basics and global context
- » Overview of GHG protocols and standards
- » Introduction to ISO 14064 series
- » Principles of GHG Accounting
- » Scope, normative references, and definitions
- » Relevance
- » Completeness
- » Consistency
- » Accuracy
- » Transparency Organizational Boundaries and GHG Emissions
- » Control approach (financial and operational)
- » Equity share approach
- » Operational Boundaries
- » Direct emissions (Scope 1)
- » Energy indirect emissions (Scope 2)
- » Other indirect emissions (Scope 3)
- » Interactive Discussion and Case Studies
- » Practical Exercise: Setting Organizational and Operational Boundaries

ISO 14064-1 Advanced Topics

- » GHG Quantification Methodologies
- » Calculation-based approaches
- » Measurement-based approaches
- » Activity data and emission factors
- » GHG Inventory Development
- » Data collection and management
- » Quality control procedures
- » Base year establishment and recalculation
- » GHG Reporting Requirements
- » Required information and documentation
- » Report content and structure
- » Uncertainty assessment
- » Practical Exercise
- » GHG Calculations and Inventory Development
- » Case Study Analysis and Group Discussion

ISO 14064-2

- » Monitoring and Data Management
- » Developing monitoring plans
- » Data quality management
- » Record keeping requirements
- » Practical Exercise
- » GHG Project Planning
- » Group Work: Baseline Scenario Development
- » Introduction to GHG Projects
- » Project boundaries and scope
- » Baseline scenarios
- » Project planning and documentation
- » GHG Project Quantification
- » Selecting relevant SSRs (Sources, Sinks, and Reservoirs)
- » Determining baseline scenario
- » Estimating project emissions

ISO 14064-3

- Verification and Validation Principles
- Level of assurance
- Materiality
- Verification vs. validation
- Planning the Verification/Validation process
- Risk assessment
- Sampling approaches
- Evidence gathering
- Conducting Verification/Validation
- Assessment of GHG information systems
- Evaluation of GHG data and information
- Assessment of GHG assertion
- Practical Exercise
- Verification Planning
- Mock Verification Exercise

Review and Examination

- Comprehensive Review
- Key concepts from Part 1
- Key concepts from Part 2
- Key concepts from Part 3
- Question and Answer Session
- Practice Questions and Mock Exam
- Final Examination
- Exam Review and Discussion
- Course Wrap-up and Feedback
- Certificate Distribution

Training Methodology

- Interactive lectures
- Group discussions
- Case studies
- Practical exercises
- Hands-on calculations
- Mock verification exercises
- Real-world examples

Materials Provided

- Course manual
- Exercise workbook
- Reference materials
- Practice examination questions
- Certificate of completion

Prerequisites

- Basic understanding of environmental management systems
- Familiarity with organizational operations and reporting
- Calculator for GHG calculations

Assessment Method

- Continuous assessment through participation in exercises
- Final examination (multiple choice and short answer questions)
- Minimum passing score: 80%

**Take the next step toward sustainability leadership – enroll today
and get certified in ISO 14064.**