

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 14040CMT — Life Cycle Assessment for Construction Materials

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference BLD-CMT-14040CMT • ISO Building & Construction

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	BLD-CMT-14040CMT
AWARD	Certificate
ASSESSMENT	300 marks — 180 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

ISO BLD Foundation

7 chapters · 42 classes100 marks

• 4 Clause 4: Context of the Organisation — 6 classes

› Understanding the Organisation's Role in Life Cycle Assessment

› Identifying Interested Parties for Construction Materials Assessment

› Defining the Scope of Life Cycle Assessments

› Establishing Management System Boundaries in ISO 14040CMT

› Integrating Stakeholder Perspectives in Environmental Assessments

› Evaluating Organisational Context for Sustainable Construction Practices

• 5 Clause 5: Leadership — 6 classes

› Understanding Leadership Commitment in LCA for Construction Materials

› Establishing a Policy Framework for ISO 14040CMT Compliance

› Defining Roles in Life Cycle Assessment for Construction

› Responsibilities of Leadership in Sustainable Material Management

› Authority Structures Supporting ISO 14040CMT Implementation

› Engaging Stakeholders in Leadership for LCA Initiatives

• 6 Clause 6: Planning — 6 classes

› Identifying Risks in Life Cycle Assessment for Construction Materials

› Opportunities for Sustainability in Construction Material Planning

› Setting Objectives for Life Cycle Assessment Success

› Strategies for Effective Planning in Environmental Assessment

› Integrating ISO 14040CMT Standards into Project Planning

› Monitoring Progress Towards LCA Objectives in Construction Materials

• 7 Clause 7: Support — 6 classes

› Identifying Resources for Life Cycle Assessment in Construction Materials

› Building Competence in ISO 14040CMT Requirements

› Enhancing Awareness of Environmental Impacts in Construction

› Effective Communication Strategies for Life Cycle Assessment Results

› Documented Information Standards for ISO 14040CMT Compliance

› Creating a Culture of Responsibility in Construction Materials Assessment

• 8 Clause 8: Operation — 6 classes

› Defining Operational Planning in Life Cycle Assessment

› Key Control Measures for Construction Materials Operations

› Establishing Objectives for LCA in Construction

› Risk Assessment Techniques in Operational Control

› Sustainability Practices in Operational Planning for CMT

› Monitoring and Reviewing Operational Control Processes

• 9 Clause 9: Performance Evaluation — 6 classes

› Monitoring Techniques for Life Cycle Assessment of Construction Materials

› Measurement Methods in ISO 14040CMT Performance Evaluation

› Analytical Approaches for Evaluating Construction Material Sustainability

› Conducting Internal Audits Under ISO 14040CMT Guidelines

› Management Review Processes for Construction Material LCA Compliance

› Continuous Improvement in Performance Evaluation of Construction Materials

• 10 Clause 10: Improvement — 6 classes

› Understanding Nonconformity in LCA for Construction Materials

› Corrective Actions for Nonconformities in ISO 14040CMT

› Strategies for Continual Improvement in LCA Processes

› Evaluating Effectiveness of Corrective Actions in Construction Materials

› Documenting Nonconformities in ISO 14040CMT Framework

› Promoting Continuous Improvement within LCA Practices

• CH1 Understanding ISO 14040CMT and Its Importance — 6 classes

- › Introduction to ISO 14040CMT Principles
- › Key Concepts in Life Cycle Assessment
- › Benefits of ISO 14040CMT for Organisations
- › Overview of Construction Material Assessment
- › Regulatory Requirements and Compliance
- › Case Studies: Successful Implementations

• CH2 Conducting a Comprehensive Gap Analysis — 6 classes

- › Identifying Current Practices in Organisations
- › Techniques for Effective Gap Analysis
- › Benchmarking Against ISO 14040CMT Standards
- › Documenting Findings and Recommendations
- › Prioritising Areas for Improvement
- › Developing an Action Plan for Gaps

• CH3 Strategic Project Planning for Implementation — 6 classes

- › Defining Project Scope and Objectives
- › Establishing a Project Timeline and Milestones
- › Resource Allocation for Implementation Projects
- › Risk Assessment and Management Strategies
- › Creating a Communication Plan for Stakeholders
- › Setting Up a Project Review Process

• CH4 Engaging Stakeholders for Successful Implementation — 6 classes

- › Identifying Key Stakeholders and Their Roles
- › Strategies for Effective Stakeholder Engagement
- › Conducting Stakeholder Needs Assessments
- › Facilitating Workshops and Focus Groups
- › Managing Stakeholder Expectations and Feedback
- › Building a Collaborative Implementation Culture

• CH5 Preparing for Internal Audits and Certification — 6 classes

- › Internal Audit Methodologies and Best Practices
- › Developing Internal Audit Checklists and Tools
- › Conducting Mock Audits for Readiness
- › Reviewing Findings and Implementing Changes
- › Management Review Processes and Responsibilities
- › Ensuring Continuous Improvement Post-Certification

• CH1 Understanding Life Cycle Assessment in Construction — 6 classes

- › Introduction to Life Cycle Assessment
- › ISO 14040CMT Overview and Relevance
- › Key Principles of Sustainability in Construction
- › Life Cycle Stages of Construction Materials
- › Interpreting ISO 14040CMT Requirements
- › Case Studies in Construction LCA Applications

• CH2 Positioning ISO Skills within Industry Sectors — 6 classes

- › Mapping Industry Sectors to ISO Standards
- › Identifying Key Stakeholders in Construction
- › Building Competitive Advantage with ISO Certification
- › ISO Best Practices for Construction Professionals
- › Sector-Specific Regulations and Compliance
- › Adapting ISO Standards to Local Construction Practices

• CH3 Developing Your Consultant Brand — 6 classes

- › Crafting a Unique Value Proposition
- › Establishing a Personal Brand in Consulting
- › Marketing Strategies for ISO Consultants
- › Leveraging Social Media for Brand Growth
- › Networking and Building Professional Relationships
- › Creating a Memorable Online Presence

• CH4 Delivering Advisory Services to Clients — 6 classes

- › Understanding Client Needs and Expectations
- › Effective Communication Skills for Consultants
- › Developing Tailored Advisory Solutions
- › Presenting ISO Solutions to Clients
- › Measuring and Reporting on Project Success
- › Building Long-Term Client Relationships

• CH5 Establishing a Sustainable Consulting Practice — 6 classes

- › Framework for Building a Consulting Business
- › Financial Planning for Consultancy Start-ups
- › Compliance and Ethical Considerations
- › Tools and Technologies for Efficiency
- › Scalability and Growth Strategies
- › Continuous Professional Development in Consulting