

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 30134-1 — Data Centres Key Performance Indicators Overview

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference IIT-DTC-30134-1 • ISO IT & Related Technologies

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	IIT-DTC-30134-1
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Data Analysis Techniques

5 chapters · 30 classes85 marks

• 1 Understanding Data Centres: Key Performance Indicators and Their Relevance — 6 classes

› 1.1 Define Key Performance Indicators in Data Centres

› 1.2 Explain the Importance of KPIs for Data Centre Efficiency

› 1.3 Identify Common KPIs Used in Data Centre Management

› 1.4 Analyze the Impact of KPIs on Data Centre Operations

› 1.5 Evaluate Real-World Case Studies of KPI Implementation

› 1.6 Apply KPI Metrics to Assess Data Centre Performance

• 2 Data Collection Methods: Techniques for Accurate Performance Measurement — 6 classes

› 2.1 Identify Key Performance Indicators for Data Centres

› 2.2 Explore Primary Data Collection Techniques for Accurate Measurement

› 2.3 Analyze the Role of Secondary Data in Performance Assessment

› 2.4 Compare Qualitative and Quantitative Data Collection Methods

› 2.5 Implement Data Collection Strategies in Real-World Scenarios

› 2.6 Evaluate the Effectiveness of Data Collection Techniques

• 3 Data Analysis Techniques: Tools and Software for KPI Interpretation — 6 classes

› 3.1 Identify Key Performance Indicators for Data Centres

› 3.2 Analyze Data Sources for KPI Calculation

› 3.3 Utilize Software Tools for KPI Measurement

› 3.4 Interpret KPI Data with Statistical Techniques

› 3.5 Visualize KPI Results Using Data Visualization Tools

› 3.6 Apply Findings to Improve Data Centre Performance

• 4 Benchmarking Data Centre Performance: Comparative Analysis of KPIs — 6 classes

› 4.1 Understand Key Performance Indicators in Data Centres

› 4.2 Identify Relevant Benchmarking Metrics for Data Centres

› 4.3 Compare Data Centre KPIs: Techniques and Tools

› 4.4 Analyze Historical Performance Data for Benchmarking

› 4.5 Evaluate Performance Against Industry Standards

› 4.6 Develop an Action Plan for Performance Improvement

• 5 Actionable Insights: From Data Analysis to Strategic Decision-Making — 6 classes

› 5.1 Identify Key Performance Indicators in Data Analysis

› 5.2 Analyze Data Trends to Generate Insights

› 5.3 Evaluate the Impact of Data Insights on Decision-Making

› 5.4 Formulate Strategic Decisions Based on Data Findings

› 5.5 Communicate Insights Effectively to Stakeholders

› 5.6 Implement Action Plans for Continuous Data Improvement

2

Implementing ISO Standards

5 chapters · 12 classes

65 marks

• 1 Understanding ISO 30134-1 and Key Performance Indicators for Data Centres — 6 classes

- › 1.1 Define ISO 30134-1 and Its Significance for Data Centres
- › 1.2 Identify Key Performance Indicators Relevant to Data Centres
- › 1.3 Explain the Importance of KPIs in Data Centre Management
- › 1.4 Analyze the Components of ISO 30134-1 Compliance
- › 1.5 Develop Strategies for Implementing KPIs in Data Centres
- › 1.6 Evaluate the Impact of KPI Reporting on Data Centre Performance

• 2 Data Centre Metrics: Measurement and Analysis — 6 classes

- › 2.1 Define Key Performance Indicators for Data Centres
- › 2.2 Identify Essential Data Centre Metrics and Their Relevance
- › 2.3 Explain the Importance of Accurate Measurement in Data Centres
- › 2.4 Analyze Data Centre Performance Using Selected KPIs
- › 2.5 Implement Best Practices for Data Collection and Reporting
- › 2.6 Evaluate Improvement Opportunities Based on Data Analysis

• 3 Application of ISO 30134-1 in Data Centre Operations

• 4 Benchmarking Data Centres Against ISO Standards

• 5 Continuous Improvement and Compliance with ISO 30134-1

3

Leading Performance Initiatives

0 chapters

45 marks

4

Performance Metrics Identification

5 chapters · 30 classes

105 marks

• 1 Understanding Key Performance Indicators for Data Centres — 6 classes

- › 1.1 Define Key Performance Indicators for Data Centres
- › 1.2 Identify Critical Performance Metrics Relevant to Data Centres
- › 1.3 Explore the Significance of ISO 30134-1 in Data Centre Operations
- › 1.4 Analyze How Performance Metrics Impact Data Centre Efficiency
- › 1.5 Apply KPI Assessment Methods to Real-World Data Centre Scenarios
- › 1.6 Develop a Strategy for Implementing KPI Improvements in Data Centres

• 2 ISO 30134-1 Framework and Specifications — 6 classes

- › 2.1 Understand ISO 30134-1 Framework and Its Purpose
- › 2.2 Identify Key Performance Indicators (KPIs) Relevant to Data Centres
- › 2.3 Distinguish Between Different Types of Performance Metrics
- › 2.4 Analyze the Importance of KPIs for Data Centre Leadership
- › 2.5 Evaluate Compliance Requirements Under ISO 30134-1
- › 2.6 Develop a KPI Reporting Framework for Effective Data Centre Management

• 3 Identifying and Selecting Relevant Performance Metrics — 6 classes

- › 3.1 Define Key Performance Indicators for Data Centres
- › 3.2 Understand the Purpose of Performance Metrics in Data Centres
- › 3.3 Identify Stakeholders and Their Performance Needs
- › 3.4 Select Relevant Metrics Using ISO 30134-1 Guidelines
- › 3.5 Evaluate the Feasibility of Performance Metric Implementation
- › 3.6 Develop a Metrics Tracking Plan for Data Centre Performance

• 4 Data Collection Methods for Performance Metrics — 6 classes

- › 4.1 Identify Key Data Collection Methods for Performance Metrics
- › 4.2 Analyze the Importance of Accurate Data in Performance Metrics
- › 4.3 Evaluate Qualitative vs. Quantitative Data Collection Techniques
- › 4.4 Explore Real-time Data Collection Tools for Data Centres
- › 4.5 Implement Strategies for Effective Data Collection in Data Centres
- › 4.6 Develop a Data Collection Plan for Performance Metric Implementation

• 5 Interpreting and Reporting KPI Results Effectively — 6 classes

- › 5.1 Define Key Performance Indicators in Data Centres
- › 5.2 Analyze the Importance of Accurate KPI Reporting
- › 5.3 Examine Common Data Centre KPIs and Their Meanings
- › 5.4 Interpret KPI Results: Techniques and Tools
- › 5.5 Communicate KPI Results Effectively to Stakeholders
- › 5.6 Apply KPI Insights to Drive Data Centre Improvements

5

Reporting and Communication

0 chapters

65 marks

6

Trends Analysis and Impact Assessment

0 chapters

65 marks

