

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 45004 — Performance Evaluation Guidelines

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference SSR-OCS-45004 • ISO Security Safety & Risk

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AT A GLANCE

REFERENCE	SSR-OCS-45004
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 for Safety Performance

5 chapters · 30 classes 65 marks

• 1 Understanding Safety Performance Metrics — 6 classes

› 1.1 Define Key Safety Performance Metrics

› 1.2 Analyze Data Collection Methods for Safety Metrics

› 1.3 Interpret Safety Performance Metrics: Methods and Tools

› 1.4 Evaluate the Impact of Safety Metrics on Organizational Performance

› 1.5 Apply Benchmarking Techniques to Safety Performance Metrics

› 1.6 Develop Action Plans Based on Safety Data Analysis

• 2 Data Collection Techniques for Safety Analysis — 6 classes

› 2.1 Identify Various Data Collection Techniques for Safety Analysis

› 2.2 Evaluate the Effectiveness of Quantitative Data in Safety Performance

› 2.3 Analyze Qualitative Data Sources for Safety Insights

› 2.4 Implement Surveys and Questionnaires for Safety Data Collection

› 2.5 Utilize Observational Techniques to Gather Safety Performance Data

› 2.6 Synthesize Data from Multiple Sources for Comprehensive Safety Assessment

• 3 Statistical Analysis for Safety Data — 6 classes

› 3.1 Identify Key Safety Metrics for Data Analysis

› 3.2 Collect and Organize Safety Data Efficiently

› 3.3 Analyze Data Distribution and Variability in Safety Metrics

› 3.4 Apply Statistical Tests to Assess Safety Data

› 3.5 Visualize Safety Data Trends Using Graphical Tools

› 3.6 Interpret Analysis Results to Improve Safety Performance

• 4 Interpreting Safety Performance Data — 6 classes

› 4.1 Analyze Historical Safety Performance Trends

› 4.2 Identify Key Performance Indicators for Safety

› 4.3 Correlate Safety Data with Incident Reports

› 4.4 Evaluate the Effectiveness of Current Safety Measures

› 4.5 Create Visual Representations of Safety Data

› 4.6 Develop Action Plans Based on Safety Data Insights

• 5 Developing Action Plans Based on Data Insights — 6 classes

› 5.1 Identify Key Performance Indicators for Safety

› 5.2 Analyze Data Trends to Determine Safety Issues

› 5.3 Develop Root Cause Analysis Techniques for Data Insights

› 5.4 Prioritize Action Items Based on Data Findings

› 5.5 Create Action Plans Aligned with Safety Objectives

› 5.6 Implement and Monitor Action Plans for Continuous Improvement

• 1 Understanding ISO 45004 and Its Context in Occupational Safety

— 6 classes

- › 1.1 Define ISO 45004 and Its Key Principles
- › 1.2 Explore the Importance of Performance Evaluation in Occupational Safety
- › 1.3 Identify Stakeholders and Their Roles in ISO 45004 Implementation
- › 1.4 Analyze the Relationship Between ISO 45004 and Organizational Performance
- › 1.5 Develop Strategies for Effective Leadership in Safety Management
- › 1.6 Create a Sample Improvement Plan Using ISO 45004 Guidelines

• 2 Identifying Performance Indicators for Effective Improvement Plans — 6 classes

- › 2.1 Define Key Performance Indicators for Improvement Plans
- › 2.2 Analyze Current Performance Metrics in Your Organization
- › 2.3 Align Performance Indicators with ISO 45004 Standards
- › 2.4 Develop SMART Goals Based on Identified Indicators
- › 2.5 Create a Monitoring Framework for Performance Evaluation
- › 2.6 Implement Action Plans to Enhance Performance Outcomes

• 3 Conducting a Gap Analysis for Safety Performance Evaluation —

6 classes

- › 3.1 Define Key Performance Indicators for Safety Evaluation
- › 3.2 Identify Existing Safety Performance Metrics
- › 3.3 Conduct a SWOT Analysis on Current Safety Practices
- › 3.4 Assess Gaps Between Current Performance and Desired Outcomes
- › 3.5 Formulate Actionable Recommendations for Improvement
- › 3.6 Develop a Strategic Improvement Plan Outline

• 4 Developing and Prioritizing Action Plans Based on Evaluation Findings — 6 classes

- › 4.1 Analyze Evaluation Findings to Identify Key Improvement Areas
- › 4.2 Develop SMART Objectives for Action Plans
- › 4.3 Prioritize Improvement Actions Using Risk Assessment Techniques
- › 4.4 Engage Stakeholders in Action Plan Development
- › 4.5 Create a Timeline and Resources Allocation for Implementation
- › 4.6 Monitor and Review Action Plans for Continuous Improvement

• 5 Monitoring and Reviewing Improvement Plans for Continuous Safety Enhancement — 6 classes

- › 5.1 Identify Key Performance Indicators for Safety Improvement
- › 5.2 Establish Baselines for Monitoring Safety Performance
- › 5.3 Implement Regular Review Processes for Improvement Plans
- › 5.4 Analyze Data to Assess Effectiveness of Safety Strategies
- › 5.5 Engage Stakeholders in Feedback and Continuous Improvement
- › 5.6 Develop Actionable Recommendations from Review Outcomes

• 1 Understanding Safety Interventions: Concepts and Definitions —

6 classes

- › 1.1 Define Key Concepts of Safety Interventions
- › 1.2 Identify Types of Safety Interventions in the Workplace
- › 1.3 Analyze the Importance of Safety Interventions
- › 1.4 Evaluate the Effectiveness of Different Safety Interventions
- › 1.5 Explore Case Studies on Successful Safety Interventions
- › 1.6 Apply Safety Intervention Strategies to Real-World Scenarios

• 2 Types of Safety Interventions: Strategies and Frameworks — 6 classes

- › 2.1 Identify Key Types of Safety Interventions
- › 2.2 Evaluate the Effectiveness of Engineering Controls
- › 2.3 Assess the Role of Administrative Changes in Safety
- › 2.4 Explore Personal Protective Equipment (PPE) Strategies
- › 2.5 Compare the Impact of Behavioral Interventions on Safety Culture
- › 2.6 Develop a Framework for Implementing Safety Interventions

• 3 Measuring Safety Intervention Effectiveness: Metrics and Tools —

6 classes

- › 3.1 Identify Key Metrics for Evaluating Safety Interventions
- › 3.2 Establish Baselines for Safety Performance Measurements
- › 3.3 Utilize Quantitative Tools for Safety Impact Analysis
- › 3.4 Apply Qualitative Methods to Assess Safety Interventions
- › 3.5 Analyze Data Trends to Measure Safety Intervention Effectiveness
- › 3.6 Develop Action Plans Based on Safety Metrics Insights

• 4 Analyzing Safety Intervention Data: Interpretation and Reporting —

6 classes

- › 4.1 Identify Key Metrics for Evaluating Safety Interventions
- › 4.2 Collect and Organize Safety Intervention Data Effectively
- › 4.3 Analyze Trends in Safety Intervention Outcomes
- › 4.4 Interpret Safety Intervention Data for Stakeholder Reporting
- › 4.5 Develop Recommendations Based on Data Analysis
- › 4.6 Create a Safety Intervention Impact Report for Leadership

• 5 Leadership in Safety Interventions: Cultivating a Safety Culture —

6 classes

- › 5.1 Assessing Current Safety Culture: Tools and Techniques
- › 5.2 Identifying Leadership Responsibilities in Safety Interventions
- › 5.3 Communicating Safety Vision: Strategies for Leaders
- › 5.4 Engaging Employees: Fostering Participation in Safety Practices
- › 5.5 Measuring the Impact of Leadership on Safety Outcomes
- › 5.6 Implementing Continuous Improvement in Safety Leadership

• 1 Understanding ISO 45004 and Its Framework — 6 classes

- › 1.1 Define ISO 45004 and Its Importance in Safety Management
- › 1.2 Explore the Structure and Key Components of ISO 45004
- › 1.3 Identify Leadership Roles in Implementing ISO 45004
- › 1.4 Assess Current Safety Management Systems Against ISO 45004 Criteria
- › 1.5 Analyze Performance Evaluation Techniques in ISO 45004
- › 1.6 Develop an Action Plan for ISO 45004 Integration in Your Organization

• 2 Key Performance Indicators (KPIs) for Safety Management — 6 classes

- › 2.1 Define Key Performance Indicators for Safety Management
- › 2.2 Identify Different Types of KPIs Relevant to Safety Management
- › 2.3 Explore the Role of KPIs in Evaluating Safety Performance
- › 2.4 Establish Criteria for Effective Safety KPIs
- › 2.5 Develop a KPI Monitoring Framework for Safety Management
- › 2.6 Analyze Real-World Case Studies of KPI Implementation in Safety Systems

• 3 Methods for Evaluating Safety Management System Performance — 6 classes

- › 3.1 Identify Key Performance Indicators for Safety Management Systems
- › 3.2 Analyze Existing Safety Management System Data for Trends
- › 3.3 Evaluate the Effectiveness of Safety Training Programs
- › 3.4 Conduct Risk Assessments to Measure Safety Performance
- › 3.5 Implement Continuous Improvement Strategies Based on Evaluation Results
- › 3.6 Present Findings and Recommendations for Enhanced Safety Management

• 4 Data Analysis and Interpretation in Safety Evaluation — 6 classes

- › 4.1 Identify Key Data Sources for Safety Management Systems
- › 4.2 Analyze Qualitative Data in Safety Performance Evaluation
- › 4.3 Employ Quantitative Methods for Safety Data Interpretation
- › 4.4 Visualize Safety Data using Graphs and Charts
- › 4.5 Interpret Trends and Patterns in Safety Data Analysis
- › 4.6 Develop Actionable Recommendations from Safety Data Insights

• 5 Continuous Improvement and Leadership in Safety Management — 6 classes

- › 5.1 Define Continuous Improvement in Safety Management
- › 5.2 Identify Key Leadership Roles in Safety Systems
- › 5.3 Analyze Effective Safety Performance Metrics
- › 5.4 Develop Strategies for Enhancing Safety Culture
- › 5.5 Implement Feedback Mechanisms for Continuous Improvement
- › 5.6 Evaluate the Impact of Leadership on Safety Outcomes

• 1 Understanding Safety Culture in Organizations — 6 classes

- › 1.1 Define Safety Culture and Its Importance in Organizations
- › 1.2 Identify Key Components of a Strong Safety Culture
- › 1.3 Analyze Existing Safety Cultures in Different Organizations
- › 1.4 Assess the Role of Leadership in Shaping Safety Culture
- › 1.5 Develop Strategies for Enhancing Safety Culture Change
- › 1.6 Create an Action Plan for Implementing Safety Culture Improvements

• 2 Assessing Current Safety Culture: Tools and Techniques — 6 classes

- › 2.1 Identify Key Indicators of Safety Culture
- › 2.2 Conduct a Safety Culture Survey: Methods and Best Practices
- › 2.3 Analyze Survey Results to Assess Current State
- › 2.4 Utilize Observational Techniques for Safety Culture Assessment
- › 2.5 Engage Employees: Gathering Qualitative Insights on Safety Culture
- › 2.6 Develop an Action Plan Based on Cultural Assessment Findings

• 3 Leadership's Role in Shaping Safety Culture — 6 classes

- › 3.1 Define Leadership's Impact on Safety Culture
- › 3.2 Identify Key Characteristics of Effective Safety Leaders
- › 3.3 Assess Current Safety Culture Within Your Organization
- › 3.4 Develop Strategies for Enhancing Safety Leadership
- › 3.5 Implement Practices to Foster Open Communication in Safety
- › 3.6 Evaluate the Outcomes of Safety Culture Initiatives

• 4 Strategizing for Culture Change: Developing an Action Plan — 6 classes

- › 4.1 Assess Current Safety Culture: Identify Strengths and Weaknesses
- › 4.2 Define Desired Safety Culture: Set Clear Objectives and Goals
- › 4.3 Engage Stakeholders: Foster Involvement and Commitment
- › 4.4 Develop Strategic Initiatives: Create Actionable Steps for Change
- › 4.5 Implement the Action Plan: Mobilize Resources and Activities
- › 4.6 Evaluate Progress: Measure Outcomes and Adjust Strategies

• 5 Measuring Success: Evaluating Safety Culture Change Initiatives — 6 classes

- › 5.1 Define Success Metrics for Safety Culture Initiatives
- › 5.2 Identify Key Performance Indicators (KPIs) for Evaluation
- › 5.3 Conduct Baseline Assessments of Safety Culture
- › 5.4 Utilize Surveys and Feedback Mechanisms for Data Collection
- › 5.5 Analyze and Interpret Evaluation Data to Assess Impact
- › 5.6 Develop Action Plans Based on Evaluation Findings

• 1 Understanding Performance Indicators in Occupational Safety —

6 classes

- › 1.1 Define Key Performance Indicators for Occupational Safety
- › 1.2 Understand the Importance of Performance Indicators in Safety Management
- › 1.3 Identify Common Performance Indicators Used in Occupational Safety
- › 1.4 Analyze Data Sources for Performance Indicators in Safety
- › 1.5 Implement Performance Indicators for Continuous Safety Improvement
- › 1.6 Evaluate the Effectiveness of Performance Indicators in Enhancing Workplace Safety

• 2 Types of Performance Indicators in Occupational Safety — 6

classes

- › 2.1 Identify Leading Indicators in Occupational Safety
- › 2.2 Analyze Lagging Indicators in Safety Performance
- › 2.3 Compare Quantitative and Qualitative Performance Indicators
- › 2.4 Implement Key Performance Indicators (KPIs) for Safety
- › 2.5 Evaluate the Impact of Performance Indicators on Safety Culture
- › 2.6 Utilize Performance Indicators for Continuous Safety Improvement

• 3 Setting and Measuring Performance Indicators — 6 classes

- › 3.1 Define Key Performance Indicators for Occupational Safety
- › 3.2 Identify the Components of Effective Measurement Systems
- › 3.3 Develop a Framework for Setting Safety Performance Targets
- › 3.4 Analyze Historical Data to Inform Performance Indicators
- › 3.5 Implement Performance Indicators in Workplace Safety Practices
- › 3.6 Evaluate the Impact of Performance Indicators on Safety Outcomes

• 4 Utilizing Data for Performance Improvement — 6 classes

- › 4.1 Identify Key Performance Indicators for Occupational Safety
- › 4.2 Collect and Analyze Data for Performance Evaluation
- › 4.3 Interpret Data Trends to Assess Safety Performance
- › 4.4 Set Actionable Targets Based on Performance Data
- › 4.5 Develop Strategies for Continuous Improvement in Safety
- › 4.6 Communicate Data Insights to Stakeholders for Engagement

• 5 Evaluating Leadership Roles in Performance Indicator Effectiveness — 6 classes

- › 5.1 Identify Key Leadership Roles in Performance Evaluation
- › 5.2 Analyze the Impact of Leadership on Safety Performance Indicators
- › 5.3 Assess the Effectiveness of Current Performance Indicators
- › 5.4 Develop Strategies for Enhancing Indicator Effectiveness
- › 5.5 Implement Leadership Best Practices for Indicator Monitoring
- › 5.6 Evaluate Leadership Contributions to Overall Safety Culture