

## **QC 080000 – IEC Quality Assessment System (HSPM) Training Programme**

*Strengthening hazardous substance control through a robust management system*

### **Introduction**

QC 080000 is an international standard under the IEC Quality Assessment System that focuses on Hazardous Substance Process Management (HSPM). It is designed for manufacturing organisations that must control and prevent restricted or hazardous substances from entering products throughout the supply chain and production process. The compliance with regulations such as RoHS, REACH, and customer-specific substance requirements is no longer achieved through end-product testing alone. It requires a disciplined, system-based approach embedded into procurement, production, quality control, and supplier management. This training programme equips participants with the knowledge and practical understanding needed to implement, manage, and sustain an effective QC 080000 system within a manufacturing organisation.

### **Program Objectives**

The programme aims to:

1. Provide a clear understanding of QC 080000 requirements and their application in manufacturing
2. Develop competence in establishing and maintaining a Hazardous Substance Process Management system
3. Strengthen control over hazardous substances across suppliers, materials, and production processes
4. Enhance organisational readiness for QC 080000 audits and certification
5. Reduce compliance risks, nonconformities, and reliance on end-product testing

### **Learning Outcomes**

Upon completion of the programme, participants will be able to:

1. Explain the purpose, structure, and key requirements of QC 080000
2. Identify hazardous substance risks within manufacturing and supply chain activities

3. Implement effective controls for supplier management, material verification, and traceability
4. Manage documentation, records, and change control related to HSPM
5. Support internal audits, corrective actions, and continuous improvement of the QC 080000 system

### **Who Should Attend**

This programme is suitable for:

1. Quality managers, quality engineers, and compliance personnel
2. Procurement and supply chain professionals involved in supplier control
3. Manufacturing, process, and production engineers
4. Environmental, health, and safety or sustainability officers
5. Internal auditors and team members involved in QC 080000 implementation or certification

### **Methodology**

The training adopts a practical, system-oriented approach to ensure participants can apply QC 080000 requirements effectively.

1. Structured classroom sessions to explain standard requirements and system principles
2. Clause-by-clause walkthrough using manufacturing-based examples
3. Case discussions on supplier control, material compliance, and process risks
4. Practical exercises on documentation, traceability, and audit preparation
5. Interactive discussions and knowledge checks to reinforce understanding and application

### **Program Outlines**

#### **Day 1**

#### **Module 1: Introduction to QC 080000 and HSPM Concept**

Overview of QC 080000, its purpose, and how Hazardous Substance Process Management differs from product testing. This module explains why a system-based

approach is required in manufacturing and how QC 080000 integrates with existing quality management systems.

### **Module 2: Regulatory and Customer Hazardous Substance Requirements**

Explanation of key regulatory drivers and customer requirements related to hazardous substances. Participants learn how regulations and customer specifications translate into internal controls and why proactive management is critical for market access and compliance.

### **Module 3: QC 080000 Structure and Key Requirements**

Clause-by-clause understanding of QC 080000 requirements, focusing on what organisations must establish, document, and control. Emphasis is placed on practical interpretation of the standard in a manufacturing environment.

### **Module 4: HSPM Policy, Objectives, and Organisational Roles**

Guidance on establishing a hazardous substance policy, setting measurable objectives, and defining roles and responsibilities. The module highlights cross-functional involvement between quality, procurement, engineering, and production.

## **Day 2**

### **Module 5: Supplier Control and Material Declaration Management**

Focus on managing hazardous substances at the supply chain level. Participants learn how to evaluate suppliers, manage material declarations, verify compliance documents, and control changes to materials or suppliers.

### **Module 6: Production Process Control and Traceability**

This module covers control of hazardous substances during manufacturing, including segregation, prevention of contamination, handling of rework and scrap, and maintaining traceability from incoming materials to finished products.

### **Module 7: Documentation, Record Keeping, and Change Management**

Explanation of required documented information under QC 080000. Participants learn how to manage procedures, records, revisions, and change control to ensure consistency, traceability, and audit readiness.

### **Module 8: Internal Audit, Corrective Action, and Continuous Improvement**

The final module focuses on sustaining the HSPM system. It covers internal audit planning, handling nonconformities, root cause analysis, corrective actions, management review, and continuous improvement to maintain ongoing compliance.