

Halderstone



Training module

Production Control

Control production under defined conditions, with identification, traceability, preservation & managed production changes



Do your production procedures exist on paper but fail to control real operations?

Overview

Many organisations have written production procedures yet experience uncontrolled changes, incomplete traceability and inconsistent outputs.

This training module translates ISO 9001 requirements for production and service provision into practical shop-floor controls: setting up controlled conditions, determining and validating special processes, ensuring traceability and preservation, and managing changes before they cause defects. Participants learn how to build a production control system that works under real operating conditions rather than only in documentation.



Target audience

- People involved in designing, building, operating, or improving a QMS aligned with ISO 9001
- Executives and department heads accountable for the effectiveness and performance of a QMS
- Those responsible for processes, policies, IT systems, risks, and controls related to quality management
- Auditors of ISO 9001 who want to deepen their understanding of management-side best practices (not audit technique)

Is this module for you?

It is a good fit for you if you...

- implement or operate ISO 9001 in a production or manufacturing environment.
- rely on procedures that exist on paper but break down on the shop floor.
- struggle with inconsistent setups, informal changes, or weak traceability.
- need production control that holds under real operating conditions.
- want evidence of control without turning production into bureaucracy.

It may be less suitable for you if you...

- operate primarily service delivery rather than product production.
- are focused on product design & development rather than execution.
- already run stable, validated, and consistently controlled production processes.
- are looking for generic operations management or lean manufacturing methods.

Learning outcomes



Key outcomes

- Interpret ISO 9001 production control requirements and apply them to shop-floor conditions
- Define controlled production conditions, including criteria, resources and environment
- Identify special processes and plan validation to demonstrate their capability

Additional capabilities

- Design traceability and preservation controls appropriate to the product and process
- Establish change control routines and integrate them with engineering and operations
- Set up release and nonconforming output controls that support timely decisions

Agenda

What the ISO 9001 requirements on production control mean

How ISO 9001 defines production control through controlled conditions and status control at the point of work, and how this module is scoped relative to requirements management, service provision, and design and development

Controlled conditions in practice

How to implement controlled conditions through work instructions, acceptance criteria, and right-first-time information at the workplace, and treat equipment, environment, tooling, and verification activities as integral parts of control rather than add-ons

People-side control without re-teaching HR systems

How competence, role clarity, and authorisation act as production controls, including who may set up, approve, release, or rework, and how shift handovers, communication routines, and escalation triggers support stable production execution

Special processes and validation logic

How to recognise special processes where outputs cannot be fully verified later, and apply practical validation evidence such as parameters, qualifications, and re-validation triggers in line with ISO 9001 expectations

Identification, traceability, and preservation

How to decide what must be identified and traceable, to what depth, and why, and how to apply preservation controls in real terms, including handling, packaging, storage, and protection of customer property where applicable

Control of production changes

How to define what constitutes a production change, why informal change is a common system failure mode, and how to implement shop-floor-effective change controls covering authorisation, verification, communication, and traceable status

Release and nonconforming outputs at production level

How to apply practical release controls through defined criteria, authority, and evidence at the time of release, and manage nonconforming outputs through containment, segregation, concession logic, and disposition records

Case-based workshop

Applying the learned concepts, methods, and approaches in a realistic case setting

Included materials



Learning materials

- Slide deck
- Participant workbook

Templates & tools

- Production control pack outline
- Shop-floor “controlled conditions” checklist
- Identification & traceability design sheet
- Preservation & customer property checklist
- Production change control log and communication checklist

Confirmation

- Confirmation of participation

Preparation guidance



Assumed background

Participants should be comfortable discussing elements of operational control at a practical level. Participants should be comfortable discussing:

- How processes are defined, owned, and controlled in daily operations
- The difference between criteria, verification, and evidence in production contexts
- Basic documented information handling (using and maintaining controlled instructions and records)

Preparatory modules

Foundation (depending on background)

Useful if you are new to the underlying concepts

- Operational Control

Logistics



Available languages

- English
- German

Standard delivery options

- Virtual live teaching
- Blended learning (e-learning + live)

Bespoke delivery options

- On-site delivery at your place
- Content adapted to your organization



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