

SAP QM – Quality Certificates Setup (QM-CERT)

1. Introduction

Quality Certificates in SAP QM (QM-CERT) are used to generate inspection certificates such as **Certificate of Analysis (CoA)** or **Certificate of Compliance**, which are sent to customers along with deliveries. These certificates contain inspection results and confirm product quality compliance.

This project explains the **end-to-end functional setup**, configuration, execution, and testing of Quality Certificates.

2. Business Requirement

- Customer requires a **Quality Certificate with every delivery**
- Certificate must include **inspection results**

3. SAP Modules Involved

- SAP QM (Quality Management)
- SAP SD (Sales & Distribution)
- SAP MM (Materials Management)

4. Key SAP Objects

- Inspection Lot
- Inspection Characteristics
- Certificate Type
- Certificate Profile
- Certificate Recipient
- Delivery Document

5. Configuration (SPRO)

5.1 Define Certificate Types

SPRO → QM → Quality Certificates → Certificate Types

- Create Certificate Type (Z01 – CoA)
- Assign output form

5.2 Define Certificate Profiles

SPRO → QM → Quality Certificates → Certificate Profiles

- Create profile (Z_COA_PROFILE)
- Assign certificate type
- Enable inspection results relevance
- Activate automatic certificate creation

5.3 Assign Certificate Profile to Material

MM02 → QM View

- Assign Certificate Profile
- Activate “Certificate Required”

5.4 Assign Certificate Profile to Customer

XD02 → Sales Area → Shipping

- Assign certificate profile
- Maintain communication details

6. Master Data Setup

Material Master

- QM View active
- Inspection Type 01 / 04
- Certificate Profile assigned

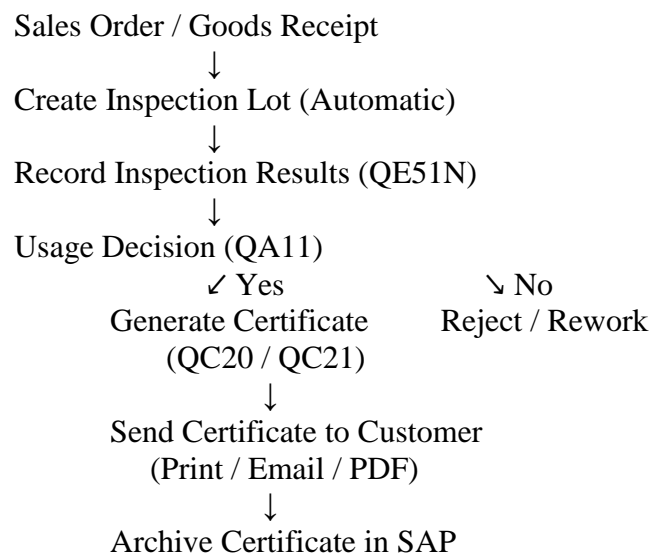
Customer Master

- Certificate Profile maintained
- Email / Output medium maintained

7. Business Process Flow (Execution)

- Sales Order or Goods Receipt triggers the business process
- SAP creates an Inspection Lot (based on Inspection Type)
- Inspection results are recorded by Quality team
- Usage Decision is made
- If accepted, Quality Certificate is generated
- Certificate is sent to customer and archived in SAP

8. Flowchart



9. Transaction Codes Used

T-Code	Description
QS21	Inspection Plan
QE51N	Results Recording
QA11	Usage Decision
QC20	Certificate Processing
QC21	Display Certificate
VL01N	Delivery Creation

10. Test Data



SAP QM CERT Test
Data.xlsx

Includes:

- Material Master
- Customer Master
- Inspection Characteristics
- Inspection Results
- Certificate Tracking