
Municipal Works Inspection and Acceptance Control Training Course for Senior Staff

17 – 21 January 2027
Doha





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Programme Summary

Municipal works inspection and acceptance control is the subject of this one-week training course for senior staff at applied level, ending in an inspection and acceptance control plan for one works package. Works are paid for and handed over on the strength of inspection records, yet hold points and acceptance rules are often loose. The approach moves from inspection roles and test plan design, through site verification of roads, drainage and utilities, to non-conformance, acceptance and payment evidence. Mars Training Centre UK delivers this programme in municipal works inspection and acceptance control.

The Business Case

Municipal authorities answer for the quality of roads, drainage and utilities long after contractors leave. Weak inspection lets defects pass unseen and turns payment and handover into disputes. Clear plans, acceptance rules and evidence standards protect the asset and the budget.

- Defects Found After Handover: Fall as hold points and tests catch faults while they are cheap to correct.
- Payment Disputes: Reduce as certificates rest on dated, verifiable inspection records.
- Rework Cost: Declines as non-conformances are raised and closed during construction.

Principles and Evidence Base

- ISO 10005: Its guidelines for quality plans shape the inspection and test plan structure built in Session 2.
- ISO 9001: Its quality management principles frame the roles, records and review of inspection performance in Sessions 1 and 4.

Intended Participants

- Leaders who direct inspection teams on roads, drainage and utilities works.
- Managers who accept completed works on behalf of an owner.
- Contract managers who certify payment from inspection records.
- Consultant supervisors who set inspection regimes for contractors.

The programme serves municipal authorities, utilities, development agencies and engineering consultancies.



Learning Outcomes

1. Participants will be able to evaluate an inspection regime against the roles and authority it assigns.
2. Participants will be able to construct an inspection and test plan with hold points and sampling rules.
3. Participants will be able to diagnose gaps in site records for roads, drainage and utilities works.
4. Participants will be able to prioritise non-conformances by risk to the asset and the programme.
5. Participants will be able to compare inspection evidence with acceptance criteria and decide on release.
6. Participants will be able to justify an acceptance or payment recommendation to an owner.

Programme Structure

Day 1: Municipal Works Inspection Foundations

What must inspection prove on municipal works, and who holds the authority to accept?

- Municipal Works Inspection Scope and Authority Matrix
- Inspection Roles of Owner, Consultant and Contractor
- Quality Management Principles From ISO 9001
- Inspection Risk Register for Roads and Utilities
- Records and Evidence Standards for Site Works

Day 2: Inspection and Test Plan Design

How is an inspection and test plan written so that every critical activity is checked?

- Inspection and Test Plan Structure From ISO 10005
- Hold Point and Witness Point Schedule
- Sampling and Frequency Rules
- Material Approval and Submittal Review
- Inspector Deployment and Workload Model

Day 3: Site Verification of Roads, Drainage and Utilities

What evidence shows that buried and surface works meet the specification?

- Earthworks and Pavement Layer Verification Records
- Drainage and Sewer Line Test Records
- Water Main Pressure and Disinfection Test Review
- Concrete and Backfill Control Checks
- Daily Inspection Report and Photo Log Standards



Day 4: Non-Conformance, Acceptance and Payment

When is work accepted, rejected or conditionally released?

- Non-Conformance Report and Corrective Action Route
- Acceptance Criteria and Conditional Release Rules
- Inspection Evidence for Interim Payment Certificates
- Defects Register and Retention Release Review
- Audit of Inspection Performance

Day 5: Applying Inspection and Acceptance Control to a Works Package

Is the works package ready for acceptance, and what must still be closed?

- Applying the Day 1 Authority Matrix to a Works Package
- Testing the Day 2 Inspection Plan Against Drawings
- Reviewing Day 3 Site Records for Gaps
- Applying the Day 4 Acceptance Rules to Open Defects
- Completing the Inspection and Acceptance Control Plan

Methodology

The programme rests on case analysis and structured exercises. Participants work with redacted inspection reports, test records and non-conformance logs from road, drainage and water projects and defend acceptance decisions before a simulated owner panel.

- Suggested activity: Adding hold points and sampling rules to a draft inspection and test plan.
- Suggested activity: Reviewing a week of daily reports and listing missing evidence.
- Suggested activity: Presenting an accept, reject or conditional release recommendation to a simulated owner panel.

Capstone Output

Each participant completes an inspection and acceptance control plan for one live or sample works package. It holds an authority matrix, an inspection and test plan, a record standard, a non-conformance route and acceptance rules linked to payment. It is used to brief inspectors and contractors and to explain later why works were accepted.



Frequently Asked Questions

Is municipal works inspection and acceptance control suitable for senior staff who are not inspectors?

Yes. It is set at applied level for managers who direct inspection, accept works or certify payment. You need project or contract experience, not inspector credentials; technical terms are explained as they arise.

Which standards does municipal works inspection and acceptance control rest on?

It rests on ISO 10005 for quality plans and ISO 9001 for quality management principles. Both are used as review references.

How is the plan from municipal works inspection and acceptance control used at work?

You use it to brief inspectors and contractors, set what is reported and decide what evidence permits acceptance or payment. It also gives the owner a record of how works were proved.

How does municipal works inspection and acceptance control differ from a construction quality management course?

It concentrates on site inspection, acceptance and payment evidence for public works. Quality management courses concentrate on organisation-wide systems, audits and improvement.