
Contract Lifecycle Management with Generative AI: Drafting, Review and Obligation Tracking Course

18 – 22 July 2027
Zoom





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Programme Summary

Contract lifecycle management with generative AI is the subject of this one-week training course for contract managers, commercial leads and legal operations heads, ending in a contract AI control pack for one contract family. Contract teams are asked to draft faster, review more and track every promise after signature, while generative tools produce fluent text that can hide a missing clause or an invented term. The programme moves from lifecycle mapping to AI-assisted drafting, review, obligation tracking and governance of the tools, applied to a contract family the participant selects. Mars Training Centre UK delivers this programme on contract lifecycle management with generative AI to mixed-organisation cohorts.

The Business Case

Organisations lose value in contracts at three points: when drafts depart from approved positions, when review misses a risk, and when obligations are forgotten after signature. Generative tools can speed each step, yet unchecked output adds new errors and exposes confidential terms. Teams that set clear rules for what a tool may draft, flag and extract, and who approves each result, gain speed without losing control of the record.

- Review Cycle Time: Falls as drafting and first-pass review use approved clause positions and tested prompts.
- Missed Obligations: Fall as duties, dates and owners are extracted into one tracked register.
- Confidentiality Exposure: Falls as rules limit what contract data enters which tool.

Principles and Evidence Base

- ISO/IEC 42001 AI Management System: Its approach to governing AI systems shapes the tool approval and oversight rules built in Session 4.
- Contract Lifecycle Stages: Request, draft, negotiate, approve, perform and close provide the structure for Sessions 1 to 3.
- Human Review of AI Output: Source guidance stresses human review and confidentiality, applied to the sign-off steps in Sessions 2 and 4.



Intended Participants

- Contract managers who own the drafting, review and performance of a contract portfolio.
- Commercial leads who negotiate positions and approve deviations.
- Legal operations heads who select and govern contract technology.
- Procurement and sales operations leaders who depend on timely contract turnaround.
- Risk and compliance managers who check that contract rules are followed.

Typical settings include construction firms, energy companies, technology suppliers and public bodies.

Learning Outcomes

1. Participants will be able to construct a lifecycle map that shows where generative AI may assist and where a person must decide.
2. Participants will be able to evaluate AI-drafted clauses against approved positions and fallback terms.
3. Participants will be able to diagnose missed risks in AI-assisted contract review.
4. Participants will be able to prioritise extracted obligations by consequence and due date.
5. Participants will be able to justify rules for data handling, tool approval and sign-off to a risk committee.
6. Participants will be able to prepare a control pack that a contract team can adopt.

Programme Structure

Day 1: Contract Lifecycle Management with Generative AI: Scope and Risks

At which lifecycle stages can generative AI help, and which decisions stay with people?

- Lifecycle Stage Map
- Decision Rights Table
- Contract Family Inventory
- Use Case Screening Grid
- Failure Mode Register

Day 2: AI-Assisted Contract Drafting

How are drafts produced from approved positions without importing unapproved terms?

- Clause Library Structure
- Approved Position and Fallback Sheet
- Prompt Template Set
- Draft Deviation Check
- Drafting Approval Route



Day 3: AI-Assisted Contract Review

How does a reviewer test what a tool flags and what it misses?

- Risk Flag Taxonomy
- Missing Clause Test
- Review Sample Comparison
- Error Log with Examples
- Reviewer Checklist

Day 4: Obligation Tracking and Tool Governance

How are duties extracted and tracked, and how are the tools kept under control?

- Obligation Extraction Template
- Obligation Register
- Alert and Escalation Rules
- ISO/IEC 42001 Control Mapping
- Data Handling Rule Sheet

Day 5: Contract AI Control Pack for One Contract Family

Do the drafting, review, tracking and governance rules work together for one contract family?

- Applying the Session 1 Decision Rights Table
- Testing the Session 2 Approved Position and Fallback Sheet
- Checking the Session 3 Reviewer Checklist
- Reviewing the Session 4 Obligation Register
- Completing the Contract AI Control Pack

Methodology

The programme uses a structured exercise method built on a shared case of a supplier agreement family with approved positions, a backlog of unsigned drafts and a set of signed contracts with undocumented duties. Participants build each artefact on the case, then on a contract family of their own, with written facilitator feedback in every session.

- Suggested activity: Comparing an AI-drafted clause with the approved position and listing every difference.
- Suggested activity: Seeding a contract with a missing clause and testing whether review catches it.
- Suggested activity: Presenting data handling rules to a mock risk committee.



Capstone Output

Each participant completes a contract AI control pack for one contract family. It holds a lifecycle map with decision rights, a clause position sheet, a review checklist with an error log, an obligation register with alert rules and a tool approval note. The pack is used at work to brief a legal and commercial team, agree what a tool may do and start a controlled pilot.

Frequently Asked Questions

Is contract lifecycle management with generative AI training suitable for contract managers without a technical background?

Yes. Contract lifecycle management with generative AI training uses cases and templates, assuming experience in contracts, procurement or legal operations, but no earlier use of AI tools.

Which standard does contract lifecycle management with generative AI training rest on?

Contract lifecycle management with generative AI training rests on ISO/IEC 42001 for governing AI systems, together with the stages of the contract lifecycle and human review of AI output.

How is the pack from contract lifecycle management with generative AI training used at work?

You use the control pack to brief your legal and commercial team, agree what a tool may draft or flag, and start a controlled pilot.

How does contract lifecycle management with generative AI training differ from general contract management training?

Contract lifecycle management with generative AI training centres on tool-assisted drafting, review and tracking with human approval, while general contract management training covers negotiation and administration without AI tools.