

CMMC Level 1 Compliance Enablement & Risk Management with AI Automation

Achieve and sustain CMMC Level 1 compliance with AI-driven assessments, evidence automation, and continuous monitoring

Defense contractors and suppliers must meet CMMC Level 1 requirements to handle Federal Contract Information (FCI), yet compliance efforts are often manual, time-consuming, and audit-intensive. YASH's AI-led CMMC Level 1 Compliance Enablement offering simplifies the journey through automated assessments, intelligent evidence orchestration, and continuous monitoring—leveraging Microsoft Compliance Manager, Defender, and Sentinel to ensure audit readiness and sustained compliance.

What this engagement solves

Organizations often struggle with:

- Unclear scoping of FCI systems and compliance boundaries
- Difficulty interpreting and implementing CMMC Level 1 safeguards
- Manual and inconsistent evidence collection processes
- Lack of continuous monitoring and renewal readiness
- Challenges in preparing SPRS submissions and audit documentation

This offering enables **automated, audit-ready, and continuously monitored compliance management**.

Key Highlights

Automated CMMC Level 1 self-assessment & gap analysis (15 safeguards)

AI-driven evidence capture, remediation tracking & attestation support

Integration with Defender and Sentinel for real-time security signals

Continuous monitoring and annual renewal readiness

SPRS documentation preparation & submission support

Centralized compliance management via Microsoft Compliance Manager

AI-powered workflows for audit readiness and control validation

Engagement Approach

Phase 1: Assessment Phase

Activities:

- Identify systems in scope for FCI and define compliance boundaries
- Conduct Level 1 self-assessment and map controls to existing practices
- Perform AI-assisted gap analysis and risk prioritization
- Define evidence requirements & attestation processes
- Align subcontractor & supplier compliance expectations

Benefits:

- Clear understanding of compliance scope and responsibilities
- Prioritized roadmap for achieving Level 1 compliance
- Structured approach to evidence and attestation readiness

Deliverables:

- Level 1 compliance posture report & control mapping matrix
- Gap register with remediation roadmap and timeline
- Evidence register and attestation checklist
- Scope definition and responsibility matrix

Phase 2: Implementation Phase

Activities:

- Configure AI-driven compliance platform workflows for:
 - Evidence capture and validation
 - Reviewer approvals and audit trails
- Integrate Microsoft Defender and Sentinel for:
 - Detection telemetry
 - Incident evidence and reporting
- Implement security safeguards (MFA, patching, secure configurations)
- Develop dashboards for control status, incidents, and compliance readiness
- Train teams on compliance processes and evidence lifecycle

Benefits:

- Accelerated compliance through automation and structured workflows
- Improved accuracy and consistency in evidence collection
- Enhanced security posture aligned to CMMC safeguards

Deliverables:

- Configured compliance environment with automated workflows
- Hardened control procedures and SOP documentation
- Compliance dashboards and reporting templates
- Training materials and attestation package

Phase 3: BAU Phase (Continuous Compliance & Renewal Readiness)

Activities:

- Continuous control monitoring & monthly compliance reviews
- Evidence refresh cycles & internal validation checks
- Incident analysis & corrective action tracking
- Mock attestations & audit readiness preparation
- Annual renewal planning & scope validation

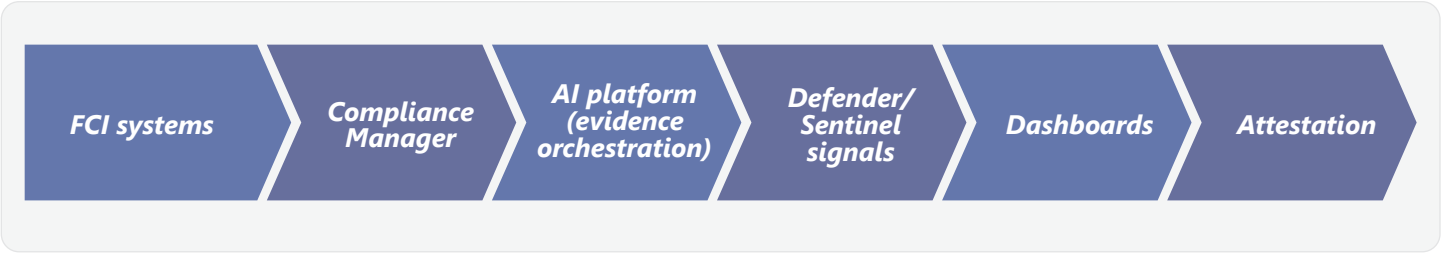
Benefits:

- Continuous compliance with reduced audit stress
- Improved control effectiveness and risk reduction
- Seamless renewal and attestation readiness

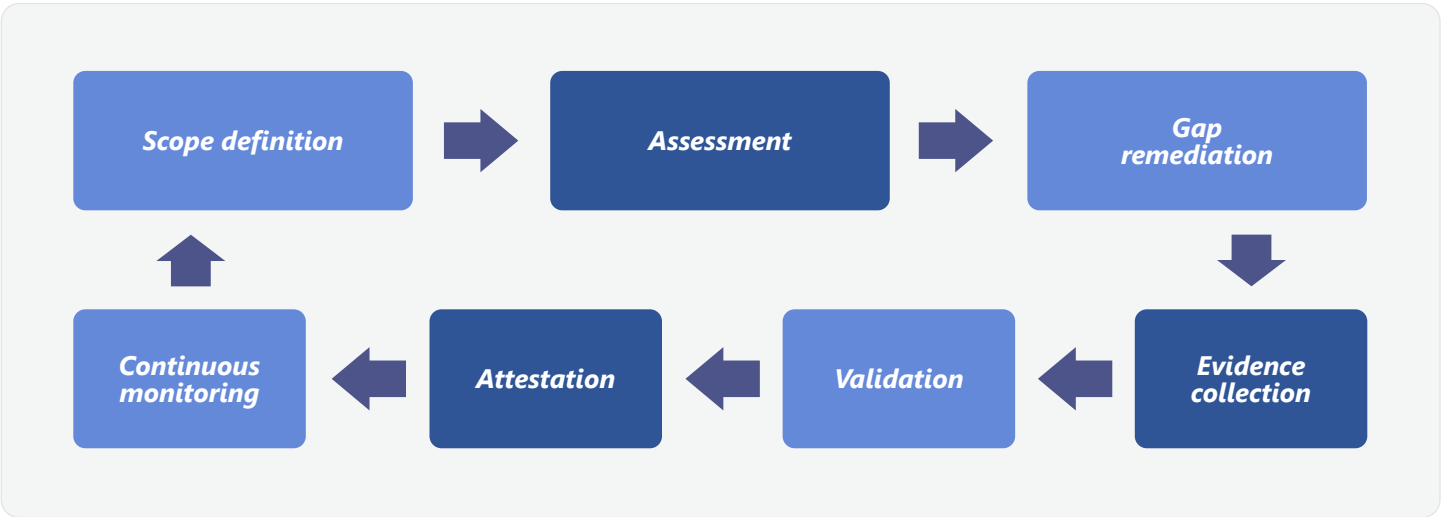
Deliverables:

- Ongoing compliance readiness reports and updated evidence sets
- Corrective action logs and governance review notes
- Renewal documentation & attestation support artefacts

CMMC Compliance Automation Architecture



CMMC Level 1 Compliance Lifecycle



Duration | Pricing | Industries

Duration: (in days / weeks):	Price:	Industry:
1–2 weeks (Assessment + Implementation); BAU ongoing	\$5000	Manufacturing Healthcare BFSI Retail Automotive Energy & Utilities (Primary focus: Defense contractors and suppliers handling FCI)



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