

AI + HiTL Compliance Framework Mapping



SOX (Sarbanes-Oxley)

Key Controls: Change management for financial systems, privileged access approval, audit logs.

HiTL Mapping: All privileged access changes require manual sign-off. Maintain full, immutable logs of both automated and human actions.



HIPAA (Health Insurance Portability and Accountability Act)

Key Controls: Controls for PHI, traceability of access, breach notification.

HiTL Mapping: HiTL on any access to PHI or medical records. All changes logged for audit and breach response.



GDPR (General Data Protection Regulation)

Key Controls: Article 22—right to human review for automated decisions, data subject access controls.

HiTL Mapping: Automated access actions (grants/denials) require a documented path for human intervention. Denials must be reviewable.



PCI DSS (Payment Card Industry Data Security Standard)

Key Controls: Access reviews, privileged account monitoring, strong authentication, audit trails.

HiTL Mapping: AI can recommend, but all high-risk access is reviewed/approved by a person. Full audit trails for every access event.



NIST 800-53 (Security and Privacy Controls)

Key Controls: Separation of duties, monitoring, review of high-impact changes, continuous improvement.

HiTL Mapping: Automated suggestions; humans approve, especially for system and application-level access. Feedback loops for AI improvement.



ISO 27001

Key Controls: Access control policies, periodic reviews, role segregation, incident response.

HiTL Mapping: HiTL at key checkpoints, regular training, clear documentation of all decisions, human sign-off for exceptions.