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45 Compliance Regulations for Database Change

Streamline audits, protect your business, and empower your teams with Liquibase Secure.

Liquibase Secure: Powering Compliance in Regulated Industries

Liquibase Secure helps organizations across finance, insurance, healthcare, retail, and other regulated sectors achieve compliance faster, with less manual effort and complete audit confidence. From banking to clinical laboratories and global retail chains, Liquibase Secure automates, enforces, and proves database change controls, so you can focus on innovation knowing you're protected and audit-ready.

Financial Services

- Sarbanes-Oxley Act (SOX)
- Dodd-Frank Wall Street Reform
- Bank Secrecy Act (BSA) / AML
- Gramm-Leach-Bliley Act (GLBA)
- Payment Card Industry (PCI DSS)
- MiFID II
- Basel III / Basel IV
- FINRA Rules
- OFAC Sanctions
- CFPB Regulations

Healthcare

- HIPAA
- HITECH Act
- FDA 21 CFR Part 11
- FDA Quality System Regulation (QSR)
- EU Medical Device Regulation (MDR)
- EU In Vitro Diagnostic Regulation (IVDR)
- FDA cGMP
- Drug Supply Chain Security Act (DSCSA)
- Anti-Kickback Statute & Stark Law
- False Claims Act (FCA)
- CLIA
- Medicare Conditions of Participation
- Joint Commission Standards
- Physician Payments Sunshine Act
- EU Clinical Trials Regulation

Insurance

- NAIC Model Laws and Regulations
- Solvency II
- Insurance Data Security Model Law
- State Insurance Holding Company System Regulatory Act
- ERISA

Retail

- Payment Card Industry (PCI DSS)
- General Data Protection Regulation (GDPR)
- California Consumer Privacy Act (CCPA/CPRA)
- Fair Credit Reporting Act (FCRA)
- Americans with Disabilities Act (ADA)
- Federal Trade Commission Act (FTC Act)
- State Data Breach Notification Laws

Cross-Industry

- GDPR
- CCPA/CPRA
- SOC 2
- ISO 27001
- NIST Cybersecurity Framework
- SEC Cybersecurity Disclosure Rules
- Foreign Corrupt Practices Act (FCPA)
- UK Bribery Act

Financial Services & Insurance Compliance

Financial Services

Financial institutions face demanding regulations on data governance, risk management, and audit trails to protect customer and investor interests. From preventing fraud to ensuring market transparency, these regulations require robust internal controls and comprehensive documentation at every level.

SOX & Dodd-Frank

Mandates robust internal controls, full transparency in financial reporting, and comprehensive risk management to safeguard investors and prevent another financial crisis.

BSA/AML & OFAC

Requires vigilant monitoring, documentation, and real-time screening to detect, report, and prevent money laundering and enforce anti-terrorism sanctions.

GLBA & PCI DSS

Protects sensitive customer data and cardholder information with mandatory privacy safeguards and standardized security controls for processing and storage.

Basel III/IV & MiFID II

Sets global standards for capital adequacy, liquidity, and market transparency to strengthen bank stability and investor protection across Europe.

> **Liquibase Secure Benefits:** End-to-end automated audit evidence supporting SOX, PCI DSS, Basel, and GLBA requirements. Fast, secure change approvals allow agile development inside regulated environments. Immutable changelogs and automated rollback routines for stress-free audits and instant recovery.

Insurance

Insurance carriers must document every change, ensure data accuracy, and demonstrate compliance with a range of risk, solvency, and privacy mandates. These regulations protect policyholders while ensuring the financial stability of insurance organizations.

Key Requirements

NAIC Model Laws: Set standards for capital, conduct, and policyholder protection across US states

Solvency II: Demands risk-based capital modeling and transparent reporting for European insurers

Insurance Data Security Model Law: Enforces annual risk assessments and rapid breach notification

ERISA: Ensures retirement and health benefit plans meet high fiduciary standards

Liquibase Secure Advantages

- Full traceability of database changes for actuarial validation and solvency reporting
- Automated workflows enforce privacy and breach notification compliance
- Centralized changelogs and rollback enable fast audits and rapid incident response

Healthcare Compliance

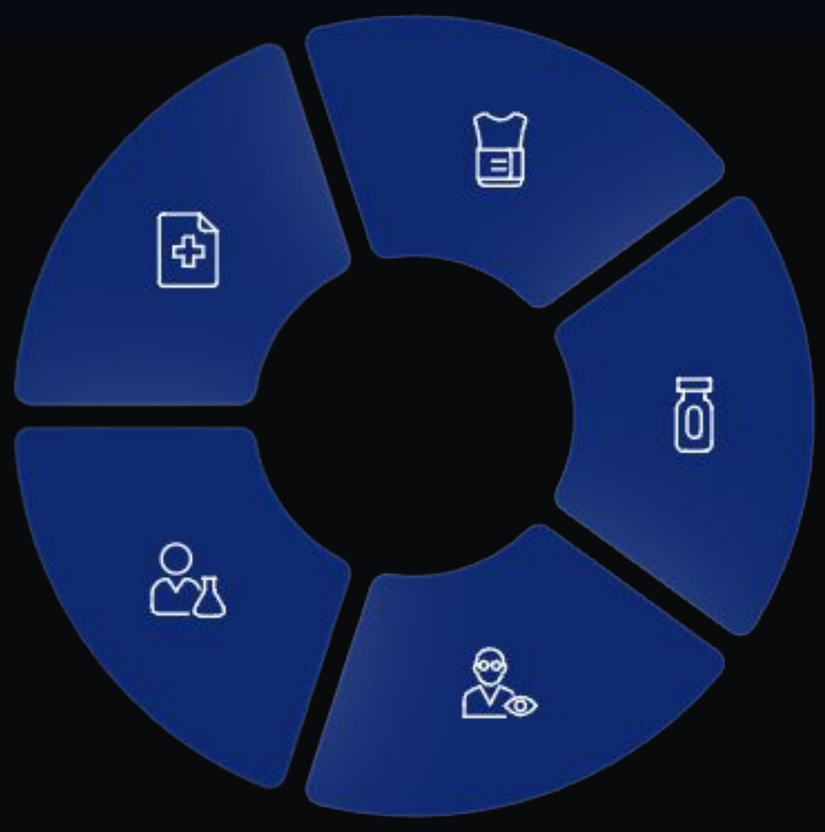
Healthcare organizations handle sensitive medical data and must comply with privacy, integrity, and patient safety regulations. From protecting patient health information to ensuring the accuracy of clinical laboratory testing, healthcare compliance spans multiple domains and requires meticulous documentation and change control.

Privacy & Security

HIPAA and HITECH Act protect patient health information through strict privacy and security safeguards, with direct business associate liability for electronic health records.

Clinical Standards

CLIA, Medicare Conditions of Participation, Joint Commission Standards, and EU Clinical Trials Regulation ensure accuracy, patient rights, safety, and transparent clinical trial reporting.



Device & Manufacturing

FDA 21 CFR Part 11, QSR, EU MDR, and IVDR set rigorous standards for electronic records integrity, quality controls, device traceability, and clinical performance evaluation.

Drug Safety & Supply

FDA cGMP and DSCSA govern safe manufacture, distribution, and traceability throughout the pharmaceutical supply chain to fight counterfeiting and ensure quality.

Fraud Prevention

Anti-Kickback Statute, Stark Law, False Claims Act, and Physician Payments Sunshine Act prevent improper referrals, compensation, and inaccurate billing to government programs.

Liquibase Secure Benefits for Healthcare

Automated enforcement of privacy rules, data retention, and audit trails across all healthcare IT systems. Testing workflows and rollback scripts protect patient data and ensure business continuity. Streamlined compliance across hospital, lab, and pharma IT environments with unified change management and documentation.

Retail & Cross-Industry Standards

Retail Compliance

Retailers operate at global scale and must protect customer information, payment data, and operational integrity. With millions of transactions daily and customer data spanning multiple jurisdictions, retail organizations face complex compliance requirements that demand automated enforcement and continuous monitoring.

PCI DSS

Enforces comprehensive security standards for credit card acceptance and processing worldwide, protecting cardholder data through standardized controls and regular assessments.

GDPR

Empowers EU consumers with data privacy rights, requiring strong controls and breach reporting for any organization handling personal data, with significant penalties for non-compliance.

CCPA/CPRA

Grants California residents control over their personal information, with strict opt-out, deletion, and disclosure mandates that extend to businesses worldwide serving California consumers.

> **Liquibase Secure for Retail:** Automated protection for sensitive payment and customer records. Enforced access controls and data minimization across all systems. Rapid compliance with breach notification and privacy rights requests.

Cross-Industry Standards

Almost every enterprise today needs to navigate overlapping frameworks for data protection, IT controls, and fraud prevention. These universal standards apply across sectors and provide foundational requirements for security, privacy, and operational integrity.

SOC 2 & ISO 27001

SOC 2 certifies that cloud and SaaS companies securely manage customer data. ISO 27001 provides the international gold standard for Information Security Management Systems (ISMS).

NIST & SEC Rules

NIST Cybersecurity Framework guides organizations through best practices for assessing, protecting, and recovering IT assets. SEC Cybersecurity Disclosure Rules require fast reporting of material incidents.

FCPA & UK Bribery Act

FCPA prohibits bribery of foreign officials and enforces strict accounting controls. UK Bribery Act sets high standards for anti-corruption with mandatory internal procedures.

Universal Compliance Benefits

Liquibase Secure provides unified compliance reporting with evidence for audits, certifications, and regulators. Continuous monitoring for drift, anomalies, and suspicious changes gives confidence across IT, security, risk, and audit teams.

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Achieving Compliance Through "Compliance as Code"

Leading organizations are turning to "compliance as code" to proactively manage and enforce regulatory requirements—especially at the data tier, where risks to privacy, integrity, and auditability are highest. Compliance as code means codifying rules and checks as version-controlled, automated components in your DevOps workflows, rather than relying on manual processes or paper-based sign-offs.



Automation and Consistency

Codified controls and automated checks reduce errors, eliminate "drift," and ensure standards are enforced uniformly—especially critical for SOX, PCI DSS, HIPAA, and GDPR compliance requirements.



Continuous Compliance

Compliance is integrated into every deployment pipeline, instantly flagging or remediating issues before they reach production, ensuring ongoing adherence to regulatory requirements.



Real-Time Auditability

Regulators and auditors increasingly expect "show me now" evidence. Automated changelogs and policy enforcement provide instant, always-up-to-date proof, satisfying retention and transparency requirements.



Scalability and Adaptability

New regulations, business units, or cloud environments can be supported by simply updating or extending compliance code, not overhauling workflows or manual procedures.



Reduced Compliance Burden

Less manual work means lower risk, less time spent on audits, and more time for innovation. Teams can focus on creating business value instead of managing compliance paperwork.

Regulations Emphasizing Compliance as Code

While few regulations use the phrase "compliance as code" explicitly, many now expect the automated enforcement, traceability, and continuous monitoring that this approach delivers:

SOX (Sarbanes-Oxley Act): Requires evidence of repeatable, tested, and controlled IT change processes—ideally enforced as code

PCI DSS and GDPR: Both expect technical enforcement of access, retention, and privacy controls that are easiest to achieve with compliance as code frameworks

HIPAA: Demands ongoing, testable proof that security and privacy requirements are enforced on all Protected Health Information (PHI)

NIST Cybersecurity, ISO 27001, SOC 2: Modern frameworks now favor automated and auditable policy enforcement via code, not human procedures

FDA 21 CFR Part 11: Expects computerized systems (including databases) to automate audit trails, enforce access controls, and validate processes—directly enabled by compliance as code

> **Liquibase Secure and Compliance as Code:** Liquibase Secure empowers teams to embed compliance controls in every change—automating required approvals, testing, access restrictions, rollback plans, and audit trails. By treating compliance requirements as testable, automated workflows, your organization ensures that every deployment is compliant by design—not just by chance.

With Liquibase Secure, "compliance as code" is not a buzzword: it's an everyday advantage that helps you pass audits, satisfy regulators, and focus on creating business value. For financial, insurance, healthcare, and retail leaders, implementing compliance as code at the database layer isn't just best practice—it's a strategic advantage and increasingly a regulatory expectation.

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Why Liquibase Secure?

Organizations in regulated industries choose Liquibase Secure for automated compliance, rapid audit readiness, and peace of mind. By embedding universal controls—immutable audit trails, automated approvals, robust test validation, and fine-grained access governance—Liquibase Secure empowers your teams to deliver innovation while confidently meeting the requirements of today's most demanding standards.

Automated Compliance

Embed compliance controls in every database change with automated approvals, testing, and access restrictions that ensure regulatory requirements are met by design.

Rapid Audit Readiness

Immutable changelogs and automated audit trails provide instant, always-up-to-date evidence for auditors and regulators, eliminating manual documentation efforts.

Peace of Mind

Fine-grained access governance and continuous monitoring give IT, security, risk, and audit teams confidence that database changes are controlled and compliant.

Innovation Enablement

Fast, secure change approvals allow agile development inside regulated environments, so teams can focus on creating business value instead of managing compliance paperwork.

Ready to simplify compliance?

Streamline audits, protect your business, and empower your teams with Liquibase Secure. Connect with us today to see how compliance as code at the database layer can transform your regulatory approach and give you a strategic advantage in your industry.

Get a Demo

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About Liquibase

Liquibase empowers organizations to deliver mission-critical applications, data products, and AI initiatives by automating and governing database change.

Liquibase Secure is the enterprise platform for managing database change with velocity, security, and control. It brings database delivery into modern development workflows by automating deployments, enforcing policies before changes reach production, detecting unauthorized drift, supporting recovery, and maintaining detailed audit evidence across 70+ database platforms.

Developers and platform teams gain a standardized, self-service path for delivering database changes without waiting on tickets, manual reviews, or one-off scripts. Security and compliance teams gain consistent guardrails, separation of duties, traceability, and evidence across database environments. The result is faster delivery without sacrificing reliability, security, or compliance.

Liquibase is also the company behind Liquibase Community, a project with deep open-source roots that has been downloaded more than 100 million times and is trusted by thousands of teams worldwide. Liquibase Secure builds on that foundation to provide the automation, governance, and enterprise support required for mission-critical database change at scale.

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