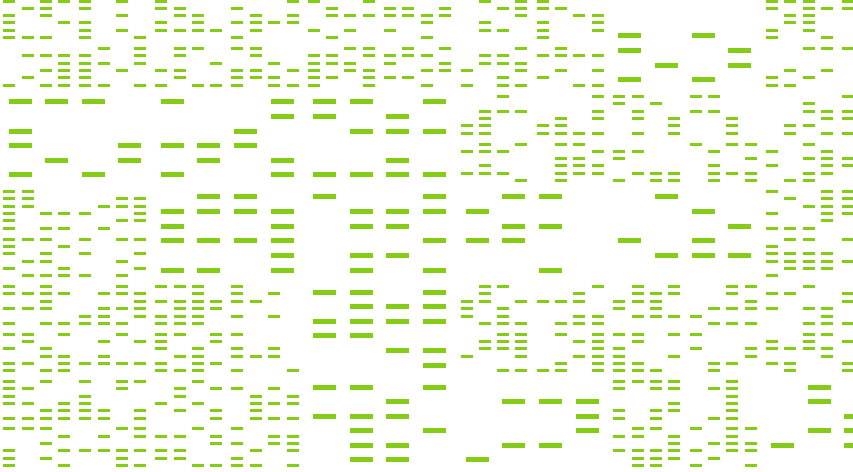
beta systems



LogX LogZ

# Compliance and revision-proof Log Management

Log management is a cornerstone of regulatory compliance in the digital ecosystem. While systems like Beta Log are pivotal, achieving compliance transcends the mere deployment of tools. It requires a strategic alignment of solution design, configuration, and multi-disciplinary cooperation.

## The Synergy of Regulatory Requirements and Log Management

Regulatory requirements and log management are intertwined. However, there‘s no one-size-fits-all approach to compliance. It‘s not sufficient to rely solely on tools like Beta Log. These systems must be tailored to the specific needs dictated by relevant regulations. Technical managers alone cannot ensure this alignment. It requires a collaborative approach involving compliance officers, IT system owners, and the log management team.



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# Ten Measures Towards Compliance: A Checklist

For a structured path to compliance, consider the following checklist:

1. **Identify the Stakeholder:**
   Determine the origin and explainers of compliance requirements. Identify involved departments and roles such as the Information Security Officer (ISO or CISO) and the Data Protection Officer (DPO).
2. **Defining the Project Framework:**
   Compliance is not just about product functionality. Ensure stakeholder involvement, capacity to contribute, and budget allocation.
3. **Identifying the Business Processes:**
   Clearly define which business processes are impacted by the compliance requirements, involving contacts from related business areas.
4. **Determine the Affected IT Systems & Processes:**
   Identify involved IT applications, processes, platforms, and the nature of their transaction logs.
5. **Check for Competing Requirements:**
   Balance the retention of log information against other compliance requirements to determine the appropriate retention period.
6. **Checking the Technical Processing Chain:**
   Verify the data transport and storage path for potential vulnerabilities and ensure adherence to audit-proof storage principles.
7. **Definition and Implementation of an Authorization Concept:**
   Establish access rights for both the log management system and the processed log information.
8. **Validation of the Content Check:**
   Confirm that the processed log files can answer compliance questions and that retrieval operations meet audit standards.
9. **Documentation of the Procedure:**
   Document all relevant decisions and criteria, using this checklist as a framework.
10. **Maintenance of the Process:**
    Regularly review and adjust log processing to account for changes in regulations, business processes, or IT landscapes

# Comparative Overview of Revision-proof Archiving Standards, Beta log Contributions, and Customer Roles in Compliance

| | Guidelines for revision-proof archiving | Contributions of Beta Log to compliance | Contributions of customers to compliance |
|---|---|---|---|
| **Regularity** | Storage of Data according to applicable standards and regulations. | Storage of flexible log formats with specific, regulation compliant processing. | Identifying relevant regulations/ standards with their individual archiving requirements. |
| **Completeness** | All content must be archived – no loss of data on its way to the archive. | No data gets lost – all available logs are stored and archived securely in Beta Log. | Defining the scope of log information, that must be preserved for compliance. |
| **Early Archiving** | Data capture/archiving needs to be organized to happen as soon as possible. | Logs are taken directly from the JES or via agents from the source systems. | Protecting the interface between log source and Beta Log log management. |
| **Avoid modification/ falsification** | Ensure integrity of data once archived. | Databases are protected against fraud. Any modification is logged for audits. | Security for all involved platforms and communication channels. |
| **Use only by authorized persons** | Access rights management – for end users and administrators – is imperative. | Beta Log uses authorization/ authentication, e.g. RACF. | Implement a compliant access management. |
| **Retrieval at an adequate speed** | Archived objects must be retrieved within a reasonable time. | Fast retrieval via web-browser or 3270. Powerful log file queries and searches. | Design of log queries for technical implementation in Beta Log. |
| **Compliance with retention periods** | Data must be retained as long as required by regulation - but not a second longer. | Individual retention periods per log-file. Easy administration via log-pools. | Define the compliant retention periods. Check for conflicting standards within organization. |
| **Traceability of changes** | Any modification (change in retention period, annotations etc.) must be documented. | Auditable logging of all annotations or administrative changes to the archived logs. | Define the organizational measures, that ensure the security within the workflows. |
| **Auditability** | All technical & organizational aspects of the archiving must be comprehensible for audits. | With comprehensible settings and by logging all activities and with, Beta Log is auditable. | Document the entire organizational and conceptual design of log management. |
| **Continuity** | Any change to the archiving system must be compliant to all above mentioned guidelines. | 100% compatibility between versions and generations of Beta Log ensure continuity. | Maintain your documentation and adapt the log management to regulatory updates. |

## Lessons for the Road Ahead

Log management is indispensable for compliance, but it requires a system like Beta Log that‘s meticulously designed and configured in harmony with regulations. It also necessitates a concerted effort from all stakeholders to ensure that both technical and organizational aspects are in sync.

With Beta Log‘s capabilities and a robust organizational strategy, your compliance initiatives can achieve new heights of reliability and effectiveness.