

## Project and Architecture Audit

Project and Architecture Audit is the process of collecting and evaluating evidence to determine whether a project has been carried out or architecture has been designed to maintain data integrity, safeguard assets, allows business objectives to be achieved effectively and uses resources efficiently.

Project audits will have different goals depending on the project phase they take place. Progress audits will provide evidence if the project is on track and allows to take corrective action where required. On the other hand, post implementation project audits allows retrospective analysis of the development process, verification of initial project objectives, the planning of enhancements to the system, and the assessment of key learnings for future projects.

Integration of application and security become more and more a key factor for reliable and efficient IT infrastructure. An Architecture Audit will analyse the present hard- and software-architecture for fulfilment of its purpose and its fitness for the future.

An audit culture within a company will improve communication between stakeholders of IT related projects and services. Processes will become transparent and allow for improvements.

## Business Case and Issues

Management employing the use of information systems have objectives and expectations of what they intend to achieve from large investments made in utilising technology. Reasons for implementing IT within the organisation include the desire to obtain business value through reduced costs, greater effectiveness, enhanced efficiency and/or increased service delivery. It is against these objectives that IBR AG will provide management assurance. Typically, management's goals and objectives in investing into technology to support business processes include:

- Availability
- Security
- Reliability
- Integrity
- Confidentiality
- Compliance with legal and regulatory requirements

Architecture proved to be critical for efficient operation and for the possibility to adjust to new requirement and to protect investment in the future. An architecture audit will evaluate the present situation and can consider future requirements. Audits that are conducted at the appropriate time, will be able to recommend corrective actions earlier and possibly prevent issues from becoming critical and costly.

## **Capabilities and Experiences of IBR AG**

IBR AG is a project management and business process consulting company based in Arlesheim, specializing in projects at the interface between business and information technology (IT). Members of the IBR AG team have extensive business knowledge gained over many years working for many multinational companies from various industries with high dependency on Information Technology. We regard the focus on business needs as the main challenge as well as the highest value of an audit. Projects carried out include:

- Progress audit of an international project developed in a regulated and validated environment
- Post implementation audit of a project implementing a global collaboration platform
- Security audit for a chemical company
- Project status audit of a Good Clinical Practice (GCP) validation project to list outstanding tasks and deliverables. The audit concluded in the definition of an action plan to bring the project back on track.

## **Services and Methodology**

The following services are provided by IBR AG:

- Progress or post implementation project audits
- Development and implementation of customer internal audit processes
- Architectural audit with focus on validation, reliability, security, integrity and service orientation.

Audits are performed against defined requirements. These can be:

- Customer's internal standards and guidelines
- Regulatory requirements as compliance to Good Practices as manufacturing, clinical or laboratory practices (GMP, GCP, GLP)
- Benchmarks of other, related industries where available

Audit questions to verify fulfilment of requirements will be defined before any audit is conducted. All questions will be open to management and auditees to foster an open atmosphere. The main part of the audit is the collection of evidence of fulfilment of the requirements. Evidence is based on documented proof, on analysing work done, and on interview techniques. A detailed deviation report will be provided in case of compliance with regulations as Good Practices (GMP, GCP, GLP) is audited. In other cases, deviations are aggregated to findings, which are supported by observed evidence and analysed for root cause as far as possible. The findings are the basis for corrective actions and future improvements. An executive summary will answer the questions of the management.

## **Benefits of partnering with IBR AG**

Project management and IT experience in highly controlled industries as pharmaceutical, airline services and financial industry.

Our staff at IBR AG brings many years of business experience combined with audit and information technology knowledge. We are able to bridge business and IT to realize business goals.