

ADDRESSING CHALLENGES IN REGULATED AND VALIDATED WORKFLOW USING CONVERGE™ SOFTWARE

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Software data management and analysis is critical to the advancement of forensic science and to solve crimes. Managing such data and analysis is a complex, resource intensive endeavor when the laboratory is comprised of a multitude of actors, workflows and information resources. There is a strong need for the lab administrators to regulate access of data and functions, track changes in the system and allow technical leads to approve analysis reports generated by analyst. Converge™ Software addresses these challenges using its Role based Access Control (RBAC), Audit Trail (Electronic Record keeping) and E-Signature functionality.

Role based Access Control (RBAC) addresses the need for laboratory administrators to regulate access of data and functions. Administrators can define roles with a set of permissions which can be assigned to analyst or subjects within the laboratory. The roles and permissions are highly configurable such that it can be defined as per the laboratory protocol.

Audit trail (Electronic Record keeping) enables laboratory administrator to perform auditing at different levels based on the laboratory needs. This helps the laboratory to demonstrate compliance with regulatory requirement. The system can be configured to audit all actions or just select actions within the software and the stored audit records can be searched using the audit reporting module.

E-Signature functionality lets technical leads to perform secondary review of the analysis results and approve them by performing E-signature. The E-signatures are included in the reports generated by the software.

The RBAC module, E-Signature and Audit trails enables the laboratory to enforce and regulate the processes in the lab and as well eliminate traditional paper records.