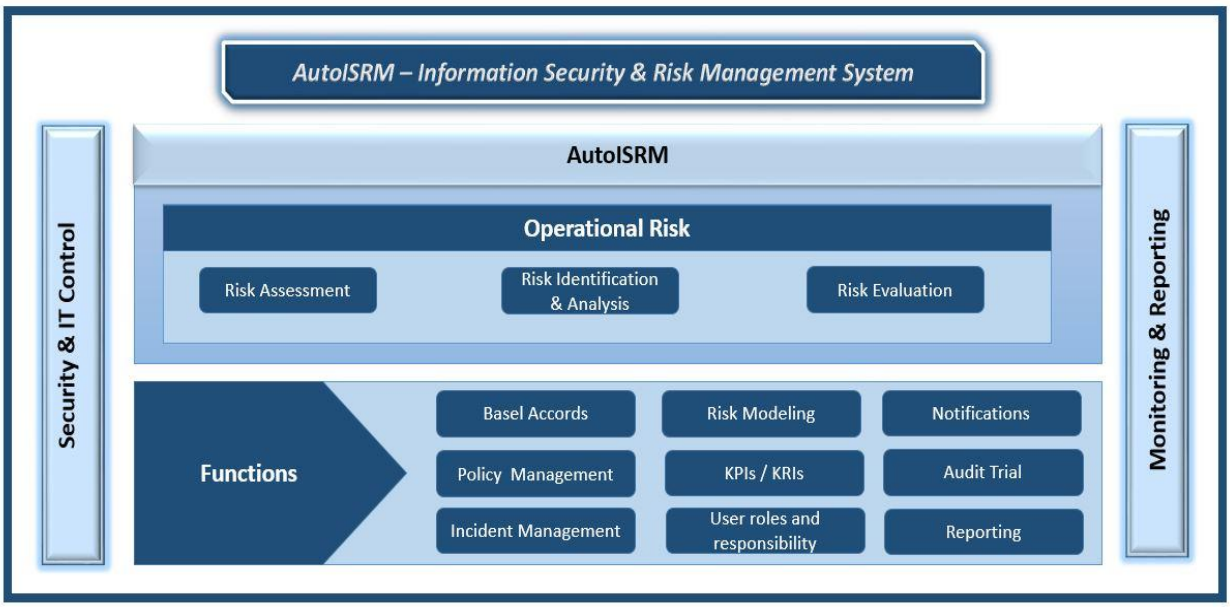
Detail Functionality of AutoISRM – Information Security & Risk Management System

AutoSoft's AutoISRM - Information Security and Risk Management system helps institutions streamline their operational risk management requirements. The system captures, collects, manages, tracks and generates reports of internal risk incidents. AutoISRM further encompasses all regulatory activities and internal policies & procedures under a single unified platform. It allows users to track all implemented organizational standards and map each action to an internal policy and controls to ensure end-to-end organizational compliance.

AutoISRM allows users to track organizational assets, associated operational risks, manage incidents, and monitor key risk indicators (KRI) as well as any potential and actual financial losses. Real-time tracking of operational risks via powerful dashboards and reports helps uncover all organizational vulnerabilities and minimize critical risk factors. The system also enables users to measure, assess and prioritize threats as well as vulnerabilities to the information or assets for implementation of appropriate information security controls. In this way, proper controls can be taken against the identified vulnerabilities and threats to the information assets of an organization. User can also monitor the performance against the identified threats in order to initiate corrective action.

The application architecture of AutoISRM is depicted below:



Application Architecture of AutoISRM

Benefits of AutoISRM - *Information Security and Risk Management System*

AutoISRM has been designed to cater for a wide range of risk management requirements:

- AutoISRM Application addresses all aspects of operational risk management i.e. both qualitative and quantitative.
- Compliant with ISO 27001:2013, ISO 27005:2011, ISO 31000:2009 and SBP BPRD Circular # 04.

AutoISRM - *Information Security and Risk Management System*

The scope of AutoISRM application includes:

- Assets Management
- Risk Assessment Identification, Testing & Control
- Incident Management
- Asset & Risk Assessment Reviews
- SOA management
- Document Management System
- Audit & Compliance
- User Administration
- System Parametrization
- Reports

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Functionality for AutoISRM includes:

Dashboards

Users can view the overall organizational risk details in a single view

- Departmental / organizational assets details
- Departmental risks details
- Incident related details
- Key Risk Indicator (KRI's) details

Management of Assets

Users can easily maintain tangible and intangible assets details segregated to the department level by using AutoISRM

- Office sites/units
- Asset nature
- Asset type
- Asset Categorization
- Asset mapping
- Asset labelling and handling
- Asset maintenance
- Asset Owner/Responsibility
- Asset transfer details

Risk Assessment Identification, Testing & Control

The system allows users to test and monitor design of controls identified during the risk assessment process by detailed identification of

- Risk Categories
- Risk Description
- Asset wise Risk Identification
- Risk Templates:
  - Risks
  - Vulnerabilities
    - Pre-analysis
    - Standard clause references and relevant internal controls
- Risk evaluation process
- Risk maintenance
- Risk Treatment and Action Plan
- Data Analysis / Inquiries

Incident Management

AutoISRM facilitates users in maintaining and tracking all reported breach incidents, actions taken as well as their monitoring

- Incident reports with parametrized identification for segregated tracking including
  - Operational Risk violations
  - Information Security (IS) incidents
  - Anti-sexual Harassment (ASH Ordinance 2010) incidents
  - General / Administration related Incidents
- Incident Assessment
  - Root cause analysis
  - Action taken
- Incident Resolution
- Evidences / Images Attachment
- Incident Inquiry status

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Operational Risk

Operational risk related events can be easily tracked and managed using AutoISRM

- Handling of Event Types I (Risk Category) - Annexure E of BPRD Circular # 04
- Handling of Event Types II (Risk Sub-Category)
- Handling of Event Types III (Vulnerabilities / Activity)
- Business Lines (BL) / Area of Operations Level I (BL Category)
- Business Lines (BL) / Area of Operations Level II (BL Sub-Category)
- Internal Loss Data and Analysis
  - Loss data elements
  - Reporting of loss data through branches
  - Loss data central repository

Key Risk Indicators (KRI's)

Users can easily monitor financial impacts related to various risks by using AutoISRM

- Mapping of Loss with relevant Events /Risk and impacted Business Lines with percentage
- Linkage of Asset
- Recovery of losses
  - Direct Recovery
  - Recovery through insurance
  - Expected Future recovery

Audit & Compliance

Users can easily plan and track internal and external audit & compliance activities including

- Maintaining audit plans
- Generating Audit Reports
- Tracking Corrective Action Request's (CAR's) as raised by auditors
- Tracking Preventive Action Request's (PAR's) as raised by auditors

Asset & Risk Assessment Reviews

The system assists users to ensure risks and assets are continuous monitored and by monitoring and maintaining schedules and activities to be undertaken

- Department Review schedule
- Department Reviewed Sheet

Document Management System (DMS)

The system allows users to centrally maintain details of all documents and changes requested:

- Repository of Records & Documents including SOP's and forms (MLR & MLD) being used in the organization
- Document Development Request Form (DDRF) for new requirements/amendments to documents
- DDRF Log
- Mapping of the new/existing documents with related reference documents

Statement of Applicability (SOA) Management

The user can easily capture the following information by using AutoISRM application

- Document identification / references
- International Standard's Clauses & Controls mapping with Document references
- Justifications / Exclusions

International Standards (ISO & Banking)

AutoISRM supports the International standards related to the following:

- Operational Risk
- Quality Management System (QMS)
- Information Security and Management System (ISMS)
- BCMS
- Handling of applied controls

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Reports

AutoISRM facilitates users to generate and extract reports in multiple formats. Detailed reports can be generated on request using configurations including

- Assets management reports
- Risks related reports
- Incident Management reports
- SOA Management reports
- Quarterly Summary (Annexure A of BPRD Circular # 4)
- Major Operational Risk Losses (PKR 5 Million & Above) (Annexure B of BPRD Circular # 4)
- Internal Loss Data Fields (Annexure C of BPRD Circular # 4)
- Document Management System (DMS)
- Events
- Parametrization listing
- Audit & Compliance

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