|  |  |  |
| --- | --- | --- |
| **DEPOSIT PROTECTION SCHEME - ICT SYSTEM ENQUIRY** | | |
| Name of the Deposit Protection Scheme | Deposit Protection Corporation Zimbabwe | |
| Name of ICT System | Q-Sight Regulatory System | |
| System Developer | Mugonat Systems P/L | |
| Location of the System Developer | Harare, Zimbabwe | |
| System Partner/Vendor | Mugonat Systems P/L | |
| Number of Active Users |  | |
| Estimated Implementation Costs (USD) | US$328,000.00 | |
| Estimated Annual Maintenance Fees (USD) | US$60,000.00 | |
| System Functionality | Status (Yes/No) | |
| 1.    **Returns Management** |  |  |
| 1.1         Returns Uploads | Yes |  |
| ·      Allow users to upload files for a specific period via the web interface. | Yes |  |
| ·      Support premium calculation by accepting deposit and premium calculation files. | Yes |  |
| ·      Provide feedback on validation tests, including reasons for rejection and discrepancies. | Yes |  |
| 1.2           Returns Validation and Evaluation | Yes |  |
| ·      Allow user validation before submission. | Yes |  |
| ·      Perform control total calculations. | Yes |  |
| ·      Validate return period, data type violations, and changes to return structure. | Yes |  |
| 1.3           Returns Storage | Yes |  |
| ·      Securely store uploaded returns. | Yes |  |
| ·      Maintain an organized repository for future reference and historical analysis. | Yes |  |
| ·      Ensure data integrity and easy access to past returns. | Yes |  |
| 1.4           Penalties and Fines | Yes |  |
| ·      Lock out CBIs who fail to meet deadlines until they pay a fine. | Yes |  |
| 2.    **Bank Surveillance** |  |  |
| 2.1           Monthly and Quarterly Analysis | Yes |  |
| ·      Track individual, corporate, and total deposit values and trends. | Yes |  |
| ·      Monitor the number of accounts and trends. | Yes |  |
| 2.2           Calculate Exposure | Yes |  |
| ·      Compute corporate, individual, and total exposure based on cover level. | Yes |  |
| 2.3           Deposits Classification | Yes |  |
| ·      Classify deposits by account types, categories, currency, and deposit size. | Yes |  |
| 2.4           Cover Level Calculation | Yes |  |
| ·      Calculate coverage levels at provided insured amounts. | Yes |  |
| 2.5           CAMELS Computations and Performance Analysis | Yes |  |
| ·      Compute individual and composite CAMELS ratings. | Yes |  |
| ·      Provide insights into key risk areas and stress testing capabilities. | Yes |  |
| ·      Include early warning capabilities for financial distress. | Yes |  |
| 2.6           System Dashboard | Yes |  |
| ·      Highlight key performance indicators and risk metrics. | Yes |  |
| ·      Allow monitoring of trends, outlier identification, and cross-institution comparisons. | Yes |  |
| 3.    **Risk Analysis** |  |  |
| 3.1           Risk Scoring Model | Yes |  |
| ·      Incorporate PD, LGD, and EAD into the risk scoring model. | Yes |  |
| 3.2           Machine Learning for Predictive Risk Modelling | Yes |  |
| ·      Use past banking data to predict early signs of bank failure. | Yes |  |
| 3.3           Anomaly Detection Algorithms | Yes |  |
| ·      Flag outliers in returns and financial ratios using unsupervised learning. | Yes |  |
| 3.4           Natural Language Processing (NLP) | Yes |  |
| ·      Analyze unstructured data (e.g., audit reports, media mentions) for risks. | Yes |  |
| 3.5           Scenario Analysis and Stress Testing Framework | Yes |  |
| ·      Run macro-financial stress tests with customizable scenarios (e.g., exchange rate shocks, liquidity shocks). | Yes |  |
| 3.6           Audit and Compliance Tracker | Yes |  |
| ·      Record compliance history and automate compliance score generation. | Yes |  |
| 4.    **Premiums Management** |  |  |
| 4.1           Premium Calculation | Yes |  |
| ·      Calculate monthly/quarterly premiums for each institution. | Yes |  |
| ·      Support flat rate and risk-based premium calculations. |  |  |
| ·      Compute premiums as a percentage of the arithmetic average of eligible deposits. | Yes |  |
| 4.2           Premium Invoicing | Yes |  |
| ·      Generate automated premium invoices. | Yes |  |
| ·      Transmit invoices to the accounting system for posting. | Yes |  |
| 4.3           Premium Receipting | Yes |  |
| ·      Allow CIs to upload proof of payments. | Yes |  |
| ·      Acknowledge payments and update payment status. | Yes |  |
| 4.4           Penalty Levying | Yes |  |
| ·      Apply penalties for non-compliance with payment deadlines. | Yes |  |
| 4.5           Premium Reconciliations | Yes |  |
| ·      Reconcile payments with invoices and maintain transaction statements. | Yes |  |
| 5.    **Single Customer View** |  |  |
| 5.1           Returns Validation and Evaluation | Yes |  |
| ·      Validate return period, data types, and structure changes. | Yes |  |
| 5.2           Returns Storage | Yes |  |
| ·      Securely store and organize returns for historical analysis. | Yes |  |
| 5.3           Data Collection and Consolidation | Yes |  |
| ·      Collect customer details and account balances. | Yes |  |
| ·      Identify unique account holders. | Yes |  |
| 5.4           Balance Aggregation | Yes |  |
| ·      Consolidate debit/credit balances per account class. | Yes |  |
| ·      Link accounts via Customer ID for exposure calculation. | Yes |  |
| 5.5           Compute Deposit Register | Yes |  |
| ·      Show total balances, insured/uninsured amounts, and customer details. | Yes |  |
| ·      Include beneficiaries of trust and joint accounts. | Yes |  |
| 5.6           Simulation | Yes |  |
| ·      Require daily SCV Return snapshots for pay-out processes. | Yes |  |
| 6.    **General** |  |  |
| 6.1           Data Storage and Retrieval | Yes |  |
| ·      Securely store and retrieve data with search, sorting, and filtering. | Yes |  |
| 6.2           Reporting and Analytics | Yes |  |
| ·      Generate customizable reports, trends, charts, and visualizations. | Yes |  |
| ·      Export reports in formats like PDF or Excel. | Yes |  |
| 6.3           Integration with External Systems | Yes |  |
| ·      Integrate with Accounting and Claims Disbursement System. | Yes |  |
| 6.4           Performance and Security | Yes |  |
| ·      Ensure efficient workload handling, scalability, and minimal downtime. | Yes |  |
| ·      Implement encryption, access controls, and secure communication protocols. | Yes |  |
| ·      Provide graceful error handling and recovery. | Yes |  |
| ·      Maintain an audit trail of all transactions and changes. | Yes |  |
| 6.5           Notifications and Alerts | Yes |  |
| ·      Send email notifications for task assignments or approaching deadlines. | Yes |  |
|  |  |  |