

Project name

Technical Clarification Session
Date

Integration and Testing Requirements Summary

- **Integration:**

- ✓ Please be aware that the Eskom Integration team will do the integration activities between the Proposed solution and the other systems. The successful bidder is required to do the business services development to communicate to the Eskom Middleware.
- ✓ Provide the required detail to the Eskom Integration Team to enable the design of the end-to-end solution and work closely with Eskom's Integration team.
- ✓ Provide input and contribute to the Analysis, Design, Message Modelling, Unit testing, SIT testing, UAT testing and Non-Functional testing.
- ✓ Provide Application Business Services that conform to the specific security and Integration standards.
- ✓ Provide Application Business Services that can receive an Integration reply with a full-service response (pre-defined message structure) in case the Application is invoking an Integration Web Service.
- ✓ Provide Application Business Services that can communicate via One-Way or Two-Way certificate (SSL/TLS) to secure the channel.
- ✓ Provide Application Business Services that support Basic Authentication for Web Services, Database or SFTP for Authentication security.
- ✓ Provide Application Business Service with the capability to distinguish between Technical and Business error and handle each one in a separate manner.

Testing:

- ✓ The solution will undergo comprehensive testing following Eskom's standards to ensure its completeness and authenticity.
- ✓ All testing (including unit testing) must be performed within Eskom's test management systems, namely Application Lifecycle Management (ALM), LoadRunner (for performance testing), and Unified Functional Tester (UFT).
- ✓ The implementation team must coordinate with the testing team to ensure sufficient time is allocated for testing, and that all testing activities are incorporated into the project schedule.
- ✓ The following test phases and milestones must be completed:
 - **Unit Testing (Development Environment);**
 - **System Integration Testing & Functionality Testing (QA Environment);**
 - **User Acceptance Testing (Pre-Prod Environment);**
 - **Non-Functional/Performance Testing (Pre-Prod Environment);**
 - **Disaster Recovery Testing .**
- ✓ The testing team must adhere to the Testing Centre of Excellence (TCoE) standard document provided as part of the RFP documentation.