



**Revenue
Services**
Lesotho

POS/Accounting/ Electronic Billing /Invoicing Systems

User Acceptance Testing(UAT)

Document Quality Review

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Version Control

Version	Name and Surname	Capacity	Date	Summary of Changes

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1. General Information

1.1 Document purpose

This document outlines a summary of the Test Cases, Test Results, and Recommendations for the POS/Accounting System, following the design and implementation of the integration layer. The integration streamlines tax administration and invoice issuance, enhances voluntary compliance among taxpayers, provides better tools for taxpayers, and enables faster VAT refund processing.

1.2 Preconditions

The following information is required:

- Supplier must have a Tax Identification Number (TIN).
- Taxpayer must have a TIN
- Device Serial Number
- Device Model Name
- Device Model Version
- All virtual fiscal device API endpoints require a Device ID.

2. Scope

The tests documented in this report covers the following functionality and integrations:

- Device registration.
- Authenticate fiscal device using fiscal device certificate.
- Business transactions (sales) should be made with or without an internet connection; however, once the internet is restored, invoices must be submitted to Lekuka sequentially to maintain the chain of invoices.
- Electronic invoices (e-Invoices) must be successfully issued and submitted to Lekuka, with validation status showing green.
- Closing and opening of fiscal period for each fiscal device.
- A valid receipt's features are displayed on the receipt/invoice printout.
- Scanned QR Code on the customer receipt or invoice should redirect to its receipt or invoice on the verification portal.

3. Rules

- No code fixes in the UAT session
- RSL shall facilitate and direct the UAT session for every test case
- UAT allocation time is a maximum of 2 hours
- Testing should be done using the newly created device throughout the UAT process
- All submitted documents during the UAT session must be validated green

4. Test environment

<https://lekukaapi.rsl.org.ls:8443>

5. Test Results

Test Case ID	Case/Procedure Description	Expected Results	Actual Results	Pass/Fail
TC-001	Send verifyTaxpayerInformation endpoint to retrieve taxpayer information from Lekuka before device registration	The response body should contain a success message: "1: Return response code 200 . <i>operationID</i> <i>taxPayerName</i> <i>taxPayerTIN</i> <i>vatNumber</i> <i>deviceBranchName</i> <i>deviceBranchAddress</i> <i>deviceBranchContacts</i> "		
TC-002	Register a new device using certificate request and activation key.	The success message is displayed: "1: Return response code 200 . Certificate is generated."		
TC-003	Send getServerCertificate endpoint to view certificate and certificate expiration date.	"1: Return response code 200 . <i>OperationID</i> <i>certificate</i> <i>certificateValidTill</i> "		
TC-004	Send issueCertificate endpoint to renew certificate before the expiration of the current certificate	"1: Return response code 200 . <i>OperationID</i> <i>certificate</i> "		
TC-005	Send getConfig endpoint to retrieve taxpayers and device information and configuration.	The success message is displayed: "1: Return response code 200 . Response body: <i>operationID</i> <i>taxPayerName</i> <i>taxPayerTIN</i> <i>vatNumber</i> <i>deviceSerialNo</i> <i>deviceBranchName</i> <i>deviceBranchAddress</i> <i>deviceBranchContacts</i> <i>deviceOperatingMode</i> <i>taxPayerDayMaxHrs</i> <i>taxpayerDayEndNotificationHrs</i> <i>applicableTaxes</i> <i>certificateValidTill</i> <i>qrUrl</i> "		

TC-006	Send confirmCertificate endpoint to confirm that new certificate is received.	"1: Return response code 200 . <i>OperationID</i> "		
TC-007	Send getStatus endpoint to get device fiscal period status.	"1: Return response code 200 . Response body: <i>operationID</i> <i>fiscalDayStatus</i> <i>fiscalDayReconciliationMode</i> <i>fiscalDayServerSignature</i> <i>fiscalDayClosed</i> <i>fiscalDayClosingErrorCode</i> <i>fiscalDayCounters</i> <i>fiscalDayDocumentQuantities</i> <i>lastReceiptGlobalNo</i> <i>lastFiscalDayNo</i> "		
TC-008	Send openDay endpoint to a new fiscal period. NB: For auto openDay, the first submitted receipt/invoice should be green	"1: Return response code 200 . Response body: <i>operationID</i> <i>fiscalDayNo</i> "		
TC-009	Send ping endpoint to report device is online to Fiscalisation (Lekuka) Backend.	"1: Return response code 200 . <i>OperationID</i> <i>reportingFrequency</i> "		
TC-010	Send submitReceipt endpoint to submit a receipt to Lekuka without validation errors Then scan QR Code as a customer for all receipt types sent. Check that all receipt types have all required parameters as per the API Gateway Specification.	"1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> "		
TC-011	Send submitReceipt endpoint to submit a fiscal invoice to Lekuka without validation errors	"1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> "		

TC-012	Send submitReceipt endpoint to submit a receipt with VAT @15% to Lekuka without validation errors	“1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> ”		
TC-013	Send submitReceipt endpoint to submit a receipt with VAT @10% to Lekuka without validation errors	“1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> ”		
TC-014	Send submitReceipt endpoint to submit a receipt with VAT @0% to Lekuka without validation errors	“1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> ”		
TC-015	Send submitReceipt endpoint to submit a receipt with VAT Exempt to Lekuka without validation errors	“1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> ”		
TC-016	Send submitReceipt endpoint to submit a receipt with Levy @20% and VAT @15% to Lekuka without validation errors TOBACCO LEVY	“1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> ”		
TC-017	Send submitReceipt endpoint to submit a receipt with Levy @10% and VAT @15% to Lekuka without validation errors ALCOHOL LEVY	“1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> ”		
TC-018	Send submitReceipt endpoint to submit a receipt with Fixed	“1: Return response code 200 . Response body: <i>operationID</i>		

	Plastic Levy to Lekuka without validation errors	<i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> "		
TC-019	Send submitReceipt endpoint to submit a receipt and/or invoice with Fixed Plastic Levy, discount, VAT @15%, VAT @10%, VAT @0%, VAT Exempt, Levy @20%, Levy @10% to Lekuka without validation errors Verify that the tax summary is correctly captured and includes correct totals calculations for each tax type	"1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> "		
TC-020	Send submitReceipt endpoint to submit a receipt with Payout to Lekuka without validation errors	"1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> "		
TC-021	Send submitReceipt endpoint to submit a receipt/invoice with Lay-by to Lekuka without validation errors	"1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> "		
TC-022	Send submitReceipt endpoint to submit a debit note receipt to Lekuka without validation errors ReceiptNotes is mandatory for receiptType DebitNote	"1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i> <i>validationErrors</i> "		
TC-023 (A)	Send submitReceipt endpoint to submit a partial credit note with original receipt with a	"1: Return response code 200 . Response body: <i>operationID</i> <i>receiptID</i> <i>serverDate</i> <i>receiptServerSignature</i>		

	discount to Lekuka without validation errors ReceiptNotes is mandatory for receiptType CreditNote	validationErrors"		
TC-023 (B)	Send submitReceipt endpoint to submit a full credit note with original receipt with a discount to Lekuka without validation errors	"1: Return response code 200 . Response body: operationID receiptID serverDate receiptServerSignature validationErrors"		
TC-024 (A)	Send submitReceipt endpoint to submit a partial credit note receipt with original receipt with Fixed Plastic Levy, discount, VAT @15%, VAT @10%, VAT @0%, VAT Exempt, Levy @20%, Levy @10% to Lekuka without validation errors	"1: Return response code 200 . Response body: operationID receiptID serverDate receiptServerSignature validationErrors"		
TC-024 (B)	Send submitReceipt endpoint to submit a full credit note receipt with original receipt with Fixed Plastic Levy, discount, VAT @15%, VAT @10%, VAT @0%, VAT Exempt, Levy @20%, Levy @10% to Lekuka without validation errors	"1: Return response code 200 . Response body: operationID receiptID serverDate receiptServerSignature validationErrors"		
TC-025	Send closeDay endpoint to initiate fiscal period closure procedure	"1: Return response code 200 . Response body: operationID. If fiscal period has "Grey" and "Red" receipts, validation of submitted closeDay request will not be executed. Fiscal period remains opened,		

		and its status is changed to “FiscalDayCloseFailed”. ”		
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6. Conclusion