

# Government Electronic Payment Gateway GePG



## USER ACCEPTANCE TEST FOR API PROGRAMMING INTERFACE (UGSv1.0)

EARTE SYSTEM

USER ACCEPTANCE TEST (UAT)

(TANZANIA TOURIST BOARD)

(28.09.2021)

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## 1. Bill Posting

<b>Responsible entity:</b>	<ul style="list-style-type: none"> <li>Service Provider</li> <li>GeGP</li> </ul>
<b>Requirements:</b>	<ul style="list-style-type: none"> <li>SP Billing System</li> <li>GePG</li> <li>Client Identification/Payer Id from SP Billing System – Maximum of 10</li> </ul>
<b>Assumptions:</b>	<ul style="list-style-type: none"> <li>Integration testing between GEPG and SP Billing System done</li> </ul>

**NOTE:** Each Error Code **MUST** be visible at the user's Interface

#	Test Case	Action	Action Description	Expected Result	Actual Results 1	Actual Results 2	Actual Results 3	Final Result	Comments
1	BP001_00	Assess Bill for selected Client using SP Billing System	Generate bill for individual and request for Control number from SP Billing System	Control Number is Received on SP Billing System	PASS	PASS	PASS	PASS	
2	BP001_01	Assess Bill with different Currency for selected Client using SP Billing System	Generate bill for individual and request for Control number from SP Billing System with different currencies (e.g. TZS, USD, EURO etc).	For Valid Currency, Control Number is Received on SP Billing System	PASS	PASS	PASS	PASS	
				For Invalid Currencies, currency error code	PASS	PASS	PASS	PASS	

				will be displayed on SP Billing System					
3	BP001_02	Assess Bill with special character for selected Client using SP Billing System	Generate bill for individual and request for Control number from SP Billing System with Valid Control Number and payer name and payer email with xml special characters like '(quote),'(Double Quotes, & (ampersand), < (less than) and > greater than.	Control Number is Received on SP Billing System	PASS	PASS	PASS	PASS	
4	BP001_03	Re-Assess a Bill (with a valid Control Number) for the same selected Client using SP Billing System	Generate bill for individual and request for Control number from SP Billing System	The same Control Number is on SP Billing System/Duplicate Bill Error should be received	PASS	PASS	PASS	PASS	
5	BP001_04	Generate Bulk Using SP Billing System	Generate bills for individuals and request for Control number from SP Billing System	Control Number for each Bill is received and Updated in the SP Billing System	N/A	N/A	N/A	N/A	
6	BP001_05	Submit Cancellation of Bill already posted to the Gateway	send the request to cancel the bill which already submitted to be processed in GePG	The Bill will be Cancelled and no longer visible in the GePG Portal	N/A	N/A	N/A	N/A	
7	BP001_06	Assess Bill with bill with 0 bill amount and negative bill amount using SP Billing System	Generate bill for individual and request for Control number from SP Billing System with 0 bill amount and Generate bill for individual and request for Control number from SP Billing System with negative bill amount	For zero amount,Bill is Rejected, Invalid data error code is displayed	N/A	N/A	N/A	N/A	
				For negative amount, Bill is Rejected, Invalid data error code is displayed	N/A	N/A	N/A	N/A	

8	BP001_07	Assess Bill with multiple bill items from SP Billing System	Generate bill with multiple bill items SP Billing System	Bill is generated and multiple bill items displayed	N/A	N/A	N/A	N/A	
9	BP001_08	Reuse control number using SP Billing System	Reuse control number to submit bill details that's either paid, expired or cancelled	Same Control number will be returned (Bill Details on GePG and SP Billing should be updated)	N/A	N/A	N/A	N/A	

## 2. Payment Posting

<b>Responsible entity:</b>	<ul style="list-style-type: none"> <li>Service Provider</li> <li>GePG</li> <li>Payment Service Provider</li> </ul>
<b>Requirements:</b>	<ul style="list-style-type: none"> <li>SP Billing System</li> <li>GePG</li> <li>Payment Control Numbers from SP Billing System – minimum 10</li> </ul>
<b>Assumptions:</b>	<ul style="list-style-type: none"> <li>Integration testing between GePG and SP Billing System done</li> <li>Integration between GePG and PSP System</li> </ul>

#	Test Case	Action	Expected Result	Actual Results 1	Actual Results 2	Actual Results 3	Final Result	Comments
1	PP001_01	Pay A bill with valid Control Number	Payment is received and recorded in GePG	PASS	PASS	PASS	PASS	
			Payment is forwarded to SP and Settled	PASS	PASS	PASS	PASS	
			Message is send to the Payer	PASS	PASS	PASS	PASS	
2	PP001_02	Assess Payment Receipt with sample payment from SP Billing System	Payment receipt should contain necessary information about Payments as per MWONGOZO WA NAMNA YA KUANDAA ANKARA_GePG@May2019 document	PASS	PASS	PASS	PASS	

3	PP001_03	Payment stress testing	All payments should be received on SP billing system					
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### 3. Reconciliation Posting

<b>Responsible entity:</b>	<ul style="list-style-type: none"> <li>Service Provider</li> <li>GeGP</li> </ul>
<b>Requirements:</b>	<ul style="list-style-type: none"> <li>SP Billing System</li> <li>GePG</li> <li>Reconciliation date – Minimum of 3</li> </ul>
<b>Assumptions:</b>	<ul style="list-style-type: none"> <li>Integration testing between GEPG and SP System done</li> </ul>

#	Test Case	Action	Action Description	Expected Result	Actual Results 1	Actual Results 2	Actual Results 3	Final Result	Comments
1	RP001_01	Submit Reconciliation Request for valid date using SP System	Specify date for reconciliation i.e date which is not beyond 7 days from yesterday and request for data from SP System	Reconciliation request is received and recorded in GePG	PASS	PASS	PASS	PASS	
				Reconciliation data received on SP System	PASS	PASS	PASS	PASS	
2	RP001_02	Submit Reconciliation Request for	Specify invalid reconciliation date i.e. date which is 10 days	Reconciliation request is received and recorded in GePG	PASS	PASS	PASS	PASS	

		out of range date using SP System	old from today or today date or date beyond today from SP System.	Out of date range error should be received on SP System					
3	RP001_03	Assess Payment after Reconciliation for Payment that didn't reach SP Billing System	Assess Payment after Reconciliation for Payment that didn't reach SP Billing System	Payment reconciled and Payment Receipt Printed successfully on SP Billing System	PASS	PASS	PASS	PASS	

## 4. Online Payment Gateway


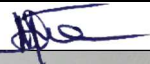
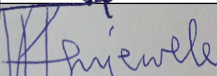
<b>Responsible entity:</b>	<ul style="list-style-type: none"> <li>Service Provider system</li> <li>GePG Online Portal</li> </ul>
<b>Requirements:</b>	<ul style="list-style-type: none"> <li>SP Billing System</li> <li>GePG Online Portal</li> <li>Sample Control Number For Payment Test</li> </ul>
<b>Assumptions:</b>	<ul style="list-style-type: none"> <li>Integration testing between GePG Online Portal and SP System done</li> </ul>

#	Test Case	Action	Expected Result	Actual Results 1	Actual Results 2	Actual Results 3	Final Result	Comments
1	OP001_01	SP system Redirect and land successful on GePG online portal with a valid control number	SP billing system redirect successful to GePG online portal	N/A	N/A	N/A	N/A	
2	OP001_02	Make payment with valid bill	Billing system successful receive payment Advice with Authorization ID	N/A	N/A	N/A	N/A	
3	OP001_03	Send the same control number as on OP001_02	Billing system should be able to know if the control number have been paid	N/A	N/A	N/A	N/A	



			GePG online portal should be able to know if the bill has been paid and return payment information					
4	OP002_01	Pay again the same control number as in OP002_01	Billing system should be able to redirect to GePG portal	N/A	N/A	N/A	N/A	
			GePG portal should allow the user to pay the bill	N/A	N/A	N/A	N/A	
5	OP004_01	Confirm if Billing system is receiving all successful payment from GePG core immediate notification	Payment Confirmation is Received	N/A	N/A	N/A	N/A	
6	OP005_01	Status check of the transaction before redirect to pay for successful transactions that did not receive notification	Billing system receive payment details if the bill is paid	N/A	N/A	N/A	N/A	

## 5. Sign Off

SN	Name of Participant	Title	Organisation	Date	Signature
1.	BASIL BALIGUMYA	Head GePG Operations	MOFP-GePG	28.09.2021	
2.	MAYALA MWENDESHA		MOFP-GePG	28.09.2021	
3.	PENINA HENJEWELE		MOFP-GePG	28.09.2021	
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