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| **Date** | **Author** | **Version** | **Change Reference** |
| 24th September, 2019 | BrightWare Team | 0.1 | First Draft |
| 21st July, 2020 | BrightWare Team | 0.2 | Updated Document for one off bills |
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# Introduction

This document is intended to cover all test cases that the merchant should cover in order to integrate merchant system with Rosom.

# Testing Types

Two types of testing will be conducted in this phase:

1. Functional Test

The main objective of functional testing is to validate the scope completed in the respective application. It is achieved through process-based testing as well as scenario-based testing.

1. Non-functional Test (Network/Connectivity) by network team.

# Entry Criteria

The Satisfactory completion of Unit test phase indicates the start of the Integration phase.

# Exit Criteria

The Integration test phase is considered complete once the items within the scope have been covered and validated by Rosom testing team. There can be certain level of defects or observations. These defects or observations can be dealt with according to their severity and relevancy

# Functional Test Cases

NOTE: Merchant needs to cover the cases related to Rosom service subscribed by the biller. Rosom merchant services are:

|  |  |  |
| --- | --- | --- |
|  | **Service Name** | **Description** |
| 1 | Real Time Bill Load | Handles Realtime billing requirements |
| 2 | Real Time Payment Notification | Real-Time Update to Billers of processed payments |

# Realtime Bill Load

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case No** | **Validation Point** | **Expected Results** | **Actual Results** | **Notes** |
| 1 | Prepare a real-time bill load request and send it to Rosom  Status: BillNew | Success, receive SADAD number for the bill | {"Status":{"Code":0,"Description":"Success","Severity":"Info"},"InvoiceId":"T2SB69LN145442716948BBR","SADADNumber":"12190141634"} |  |
| 2 | Prepare a real-time bill load request containing 2 student records and send it to Rosom  Status: BillNew | Success, receive SADAD number for the bill, note the SADAD number | {"Status":{"Code":0,"Description":"Success","Severity":"Info"},"InvoiceId":"35AQXNWM-713819325UZV1A","SADADNumber":"12190141635"} |  |
| 4 | Send a real-time bill load request  Status: BillNew | Success, receive SADAD number for the bill | {"Status":{"Code":0,"Description":"Success","Severity":"Info"},"InvoiceId":"T2SB69LN145442716948BBR","SADADNumber":"12190141634"} |  |
| 5 | Send a Bill Update request for the bill loaded in the previous test case  Status: BillUpdated Invoice Number: Same as the previous test case | Success | {"Status":{"Code":0,"Description":"Success","Severity":"Info"},"InvoiceId":"T2SB69LN145442716948BBR","SADADNumber":"12190141634"} |  |
| 6 | Send a Bill Update request for the bill which does not exist on Rosom  Status: BillUpdated | Failure, receive error message, Bill Number does not exist. | {"Status":{"Code":3010,"Description":"Bill deosn't exist.","Severity":"Error"},"InvoiceId":"9S1BYV91-3536434211U7YH","SADADNumber":null} |  |
| 7 | Merchant uploads new bill to Rosom, please note the creation date of the bill  Status: BillNew | Success | {"Status":{"Code":0,"Description":"Success","Severity":"Info"},"InvoiceId":"39CKYY8I-10607995310BPKP","SADADNumber":"12190141652"} | Localhost Test |
| 8 | Send a new bill to Rosom:  Status: BillNew  Created Date: Older than the previous test case Invoice Number: Same as the previous test case | Failure, bill already exists in Rosom system | {"Status":{"Code":3210,"Description":"Timestamp is not a valid date.","Severity":"Error"},"InvoiceId":"39CKYY8I-10607995310BPKP","SADADNumber":null} | Localhost Test |

# Realtime Payment Notification.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case No** | **Validation Point** | **Expected Results** | **Actual Results** | **Notes** |
| 7 | Rosom sends payment notification for 2 previously loaded bills | Success, receive success response from the merchant |  |  |
| 8 | Merchant uploads a new bill, Rosom makes a payment for the newly uploaded bills, sends payment notification request to the merchant | Success, receive success response from the merchant |  |  |
| 9 | Rosom resends the previously sent payment notification request to the biller | Merchant sends a success response to Rosom, does not process the duplicate payment notification based on the SADAD Transaction Id |  |  |