**Mondelez**

Unit Test Plan

(UTD*\_IDD580167\_IDD100044\_LA\_ZEU\_MATMAS.MATMAS03.ZEU\_MATMAS03*)

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Document History

Document Location

This is a snapshot of an on-line document. Paper copies are valid only on the day they are printed. The document will also be present in the below SharePoint/Teams Link

Key Contacts

|  |  |  |
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| Responsibility | Owner |  |
| Developer and Unit test | *Faizan* |  |
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Revision History

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| --- | --- | --- | --- |
| Revision Number | Revision Date | Summary of Changes | Revised By |
| 1.0 | 13/06/2025 | Initial document creation | *Faizan* |
| 2.0 | 13/06/2025 | Peer Review | *Govindaraj Thangavel* |

Approvals

This document requires the following approvals:

|  |  |  |
| --- | --- | --- |
| Name | Title | Date |
| Kavitha Golagani | Integration Lead | 13/06/2025 |

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# Unit Test Plan Overview

The purpose of the Unit test phase is to confirm that the migrated and rebuilt interfaces work correctly per the detailed design. This testing will employ both success and failure-based testing methods. A significant amount of time in this stage will be focused on confirming that interfaces are working as designed. Developers will be responsible for all testing and validation in this testing stage. Unit Testing will be performed on BTP DEV system in Project Landscape. The results should confirm that objects can be Integrated tested in QA system.

# 1.1 Purpose

The purpose of this document is to describe the detailed steps by which each individual component of the interface can be tested. The objectives of this document are as follows:

* Provide test conditions and step descriptions for unit testing
* Provide expected result for successful step
* Ensure testing is being performed as efficiently and effectively as possible
* Ensure the integration scenario meets the business requirements as described in the functional design documentation.

# 1.2 Health check

Tester must validate the interface objects before start test.

* Naming standards followed during migration the interface objects.
* Interface Patterns are followed as per recommendations.
* Channels configurations are pointing to equivalent right environment [Dev to Dev].
* Perform Ping test wherever possible.

# 1.3 Guidelines:

* Testing scope would be with BTP-IS and to validate the mapping Transformations.
* SOAP UI tool can be used for Proxy, WebServices and REST API’s based scenario’s testing.
* SFTP adapter testing will be done end to end, and files will be accessed using SFTP client tool wherever possible.
* Routing conditions must be followed and tested.
* Interface Patterns and interface split should be followed as per guidelines.

# Testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test #** | **Test Condition** | | Process Flow | | | |
| *IDOC to REST*  *IDOC to FILE* | | | |
| 1.00 | *Mention the Interface Pattern, provide the package and Iflow Details if the interfaces are split into multiple Iflows.*  This iFlow distributes Material Master data originating from the SAP S/4HANA system to either Azure IoT SaaS or various EngIT systems using IDOC, REST, and File adapters.  **Package Name:**  1. MDLZ - Pipeline - Generic Integration Flows & Templates Edge  AzureIoT\_SaaS\_LA\_MTI\_SAPS4  EngIT\_LA\_MTI\_SAPS4  **IFLOW\_Name:**  1. MDLZ - Step00 - Handle Idoc Requests Edge 2. MDLZ - Step01 - Inbound Processing for Idoc Generic IDoc Edge 3. MDLZ - Step02 - Inbound Processing Edge 4. MDLZ - Step04 - Receiver Determination Edge 5. MDLZ - Step06 - Outbound Processing Edge  SAPS4\_LA\_MATMAS\_To\_AzureIoT\_SaaS\_IDD580167\_EIC  SAPS4\_LA\_MATMAS\_To\_EngITCuritiba\_IDD100044\_EIC  SAPS4\_LA\_MATMAS\_To\_EngITLima\_IDD100044\_EIC  SAPS4\_LA\_MATMAS\_To\_EngITVillaMercedes\_IDD100044\_EIC  SAPS4\_LA\_MATMAS\_To\_EngITVSA\_IDD100044\_EIC | | | | | |
| **Step** | **Step Description** | **Expected Results** | | **Actual Results** | **Pass / Fail** | **Comments** |
| 1.01 | *Provide the description of the mapping test performed also mention SAP PO ICO details.*  ***SenderComponent:***  *SYS\_ECCP\_100\_AM*  ***SenderInterface:***  *ZEU\_MATMAS.MATMAS03.ZEU\_MATMAS03*  ***SenderNamespace:***  *urn:sap-com:document:sap:idoc:messages*  **SAPS4\_LA\_MATMAS\_To\_AzureIoT\_SaaS\_IDD580167\_EIC**  *Attached the Input Payload(PO).*  **SAPS4\_LA\_MATMAS\_To\_EngITCuritiba\_IDD100044\_EIC**  *Attached the Input Payload(PO).*  **SAPS4\_LA\_MATMAS\_To\_EngITLima\_IDD100044\_EIC**  *Attached the Input Payload(PO).*  **SAPS4\_LA\_MATMAS\_To\_EngITVillaMercedes\_IDD100044\_EIC**  *Attached the Input Payload(PO).*  **SAPS4\_LA\_MATMAS\_To\_EngITVSA\_IDD100044\_EIC**  *Attached the Input Payload(PO).* | *Provide the results obtained from the mapping.*  *Attach the Output Payload.*  **SAPS4\_LA\_MATMAS\_To\_AzureIoT\_SaaS\_IDD580167\_EIC**  *Attach the PO output file*  *Attach the BTP output file*  **SAPS4\_LA\_MATMAS\_To\_EngITCuritiba\_IDD100044\_EIC**  *Attach the PO output file*  *Attach the BTP output file*  **SAPS4\_LA\_MATMAS\_To\_EngITLima\_IDD100044\_EIC**  *Attach the PO output file*  *Attach the BTP output file*  **SAPS4\_LA\_MATMAS\_To\_EngITVillaMercedes\_IDD100044\_EIC**  *Attach the PO output file*  *Attach the BTP output file*  **SAPS4\_LA\_MATMAS\_To\_EngITVSA\_IDD100044\_EIC**  *Attach the PO output file*  *Attach the BTP output file* | | *Verify both after mapping payload from X1D and BTP IS and provide the comparison comments.*  *Evidence: Attach the PDF Comparison*  **SAPS4\_LA\_MATMAS\_To\_AzureIoT\_SaaS\_IDD580167\_EIC**  **SAPS4\_LA\_MATMAS\_To\_EngITCuritiba\_IDD100044\_EIC**  **SAPS4\_LA\_MATMAS\_To\_EngITLima\_IDD100044\_EIC**  **SAPS4\_LA\_MATMAS\_To\_EngITVillaMercedes\_IDD100044\_EIC**  **SAPS4\_LA\_MATMAS\_To\_EngITVSA\_IDD100044\_EIC** | *Test Status* | *Provide testing Comments* |
| 1.02 | *Describe Connectivity test performed between Source and Target systems*  *We are testing connection from*  *SAPS4 (IDOC) to AZUREIOT*  *SAPS4 (IDOC) to ENGITCURITIBA*  *SAPS4 (IDOC) to ENGITLIMA*  *SAPS4 (IDOC) to ENGITVILLAMERCEDES*  *SAPS4 (IDOC) to ENGITVSA* | *Provide Comments on the connectivity test.*  *Attach Ping test evidence*  *Sender Ping test*  *Receiver Ping test:* | | *Connectivity between*  *Source and Target systems*  **SAPS4\_LA\_MATMAS\_To\_AzureIoT\_SaaS\_IDD580167\_EIC**    *Message ID:*  *Correlation ID:*  Delivered log:  Message Process Log:  **SAPS4\_LA\_MATMAS\_To\_EngITCuritiba\_IDD100044\_EIC**    *Message ID:*  *Correlation ID:*  Delivered log:  Message Process Log:  **SAPS4\_LA\_MATMAS\_To\_EngITLima\_IDD100044\_EIC**    *Message ID:*  *Correlation ID:*  Delivered log:  Message Process Log:  **SAPS4\_LA\_MATMAS\_To\_EngITVillaMercedes\_IDD100044\_EIC**    *Message ID:*  *Correlation ID:*  Delivered log:  Message Process Log:  **SAPS4\_LA\_MATMAS\_To\_EngITVSA\_IDD100044\_EIC**    *Message ID:*  *Correlation ID:*  Delivered log:  Message Process Log: | *Test Status*  *NA* | *Provide testing Comments* |
| 1.03 | **Routing Condition: -**  *Describe the Routing condition test that is being performed.*  *NA* | *Provide the routing condition that is being tested.*  *NA* | | *Provide Evidence of maintenance and execution of the routing conditions.*  *NA* | *Test Status*  *NA* | *Provide testing Comments*  *NA* |
| **Test data** | *Attach Input payload from SAP PO*  *Po input file*  **SAPS4\_LA\_MATMAS\_To\_AzureIoT\_SaaS\_IDD580167\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITCuritiba\_IDD100044\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITLima\_IDD100044\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITVillaMercedes\_IDD100044\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITVSA\_IDD100044\_EIC**  Attach File HERE | *Attach Output payload from SAP BTP IS*  *BTP Output file*  **SAPS4\_LA\_MATMAS\_To\_AzureIoT\_SaaS\_IDD580167\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITCuritiba\_IDD100044\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITLima\_IDD100044\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITVillaMercedes\_IDD100044\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITVSA\_IDD100044\_EIC**  Attach File HERE | | *Attach Output payload from SAP PO*  *PO Output file*  **SAPS4\_LA\_MATMAS\_To\_AzureIoT\_SaaS\_IDD580167\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITCuritiba\_IDD100044\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITLima\_IDD100044\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITVillaMercedes\_IDD100044\_EIC**  Attach File HERE  **SAPS4\_LA\_MATMAS\_To\_EngITVSA\_IDD100044\_EIC**  Attach File HERE |  |  |

# 4. Sign offss

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| --- | --- | --- | --- |
| **SIGN OFF** | | | |
| **Developer Name** | *Faizan* | **Date** | *13/06/2025* |
| **Reviewer Name** | *Govindaraj Thangavel* | **Date** | *13/06/2025* |