**Project SymphONY**

**Functional Specifications –**

**Internal Studio Next - Automation of Margin Settlement**

30-Jan-2024

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# 

# Overview

## Overview

### Functional Specification Document

*The requirement is to automate the margin settlement entry .*

## Business Driver

*Margin settlement to be posted automatically.*

# Functional Specification Details

## Impacted Subprocess(es)

*Margin Settlement entry.*

## Assumptions

* *The user triggers the entry at the correct time.*

## Risks

*Risks involved would be:*

1. *Margin settlement will not be possible.*

## Impacted System

SAP S/4 HANA  Sales and Marketing / SAP CRM  SAP BI

Procurement / SRM  Portal  Middleware

Supply Chain / SCM  Others / Legacy (List Name/Function)

# Operational Considerations

The following sections outline the requirements for the interface object. The requirements, business rules and design specifications are combined in this document to provide a comprehensive view of the functional design.

## Data Source

## Trigger

*Monthly*

## Processing Options

**Processing Mode (Check all that apply)**

Batch  Online – via Transaction Code  Online – via Menu Path

**Processing Type**

EDI  Non EDI

**Frequency (check all that apply)**

Annually  Quarterly  Monthly

Weekly  Daily  As needed

Other (If other, describe here) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Dependencies

### Environment / Configuration

### Development Dependencies

### Run / Execution Dependencies

## Expected System Load

**Volume of execution**

*Estimated number of records in the system would be 10-100 items per month.*

# Design Considerations

## Design Details

#### Project Title: Custom Transaction Code ZBAPITEST

#### Document Version: 1.0

#### Date of Creation: [Insert Date]

#### Prepared by: [Your Name]

#### Approved by: [Approver's Name]

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- Version 1.0 - Initial document created.

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### 1. Introduction

\*\*Objective:\*\*

The purpose of this document is to outline the functional requirements for the development and implementation of the custom transaction code `ZBAPITEST`.

\*\*Background:\*\*

This TCODE is designed to test and update delivery information using SAP BAPI functions. It will streamline the update process by using standard SAP functionality wrapped in custom logic to meet business needs.

---

### 2. Scope

\*\*Inclusions:\*\*

- Development of TCODE `ZBAPITEST` for updating delivery and sales order information.

- Integration with SAP standard BAPI functions.

- Interface with existing SAP tables for delivery and sales order update.

\*\*Exclusions:\*\*

- Creation of new SAP tables.

- External system interactions not related to standard SAP functionality.

---

### 3. Requirements

\*\*Functional Requirements:\*\*

- The ability to input a delivery number for updating delivery information.

- Use BAPI function `WS\_DELIVERY\_UPDATE\_2` to update delivery status.

- Parameters to include: Delivery number, Update Picking indicator, etc.

- Update picking information using `SD\_DELIVERY\_UPDATE\_PICKING`.

- Implement conditional logic for BAPI transaction outcomes (success/failure messages).

- Include functionality to update sales order using `BAPI\_SALESORDER\_CHANGE`.

---

### 4. Data Elements

\*\*Inputs:\*\*

- Delivery Number (`vbeln\_vl`)

- Sales Order Number (`vbeln\_va`)

\*\*Outputs:\*\*

- Update confirmation messages.

- Possible errors as reported by BAPI return tables.

---

### 5. Process Flow

1. User enters a delivery number.

2. TCODE `ZBAPITEST` triggers `WS\_DELIVERY\_UPDATE\_2`.

- Updates delivery with picking information.

3. If update succeeds, proceed to update sales order using `BAPI\_SALESORDER\_CHANGE`.

4. Display success message on completion or error messages if any step fails.

---

### 6. Security and Authorization

- Ensure that only authorized personnel can execute TCODE `ZBAPITEST`.

- Validate user roles against SAP authorization objects relevant to delivery and sales management.

---

### 7. Acceptance Criteria

- Successful data update of delivery and sales order.

- Proper handling and display of errors or confirmation messages.

- Access limited to users with proper authorization.

---

### 8. Dependencies and Assumptions

- SAP system should have standard BAPIs configured and available for use.

- User has authorization for delivery and sales order data access.

---

### 9. Testing and Validation

\*\*Approach:\*\*

- Unit testing of each function (delivery update, sales order update).

- Integration testing to ensure seamless work flow completion.

- User Acceptance Testing (UAT) to validate requirements against implementation.

---

### 10. Additional Notes

- Custom error handling may be required for non-standard BAPI behavior.

- Monitor system performance during transactions to ensure efficiency.

---

This document serves as a detailed guide for the development and deployment of the transaction code `ZBAPITEST`, ensuring all functional aspects are covered and expectations are met adequately. Keep in mind this example is a template and should be customized further based on specific business processes and requirements.

The program would be triggered by the user.

The user will have to trigger this program based on the following 2 conditions:

1. Billing is created and posted in accounting.
2. Content receipt has been done by the team for these episodes.

When the above is done, the user will update the below:

Selection screen



Validations:

1. We will check if the billing document (VBRK-FKART) mentioned is of type – ZICB (Inter division Billing)
2. We will pass this Billing document and line item concatenated in ACDOCA-Ref and we are not able to find any document posted, where ACDOCA-RACCT=810199 (TVARVC)

If the above 2 conditions are ok, we will go ahead:

1. Pass the billing document in VBRP-VBELN and pas the line item in VBRP-POSNR and fetch the material number – MATNR and also pick VBRP-PS\_PSP\_PNR against the same line item.
2. We will also pass billing document in VBRK-VBELN and pick VBRK-KNUMV and pass the same in PRCD\_ELEMENTS-KNUMV and line item (as per selection screen) in PRCD\_ELEMENTS-KPOSN, GL- PRCD\_ELEMENTS-SAKN1 as 810199 (TVARVC) and pick up the amount PRCD\_ELEMENTS-KWERT.
3. To identify the asset, we will pass the VBRP-MATNR in ANLU-ZMPMID and pick the 9 series sub-asset number.
4. If this is not created/ not found, the same will be shown as an error.

We will use the BAPI\_ACC\_DOCUMENT\_POST, to post the following entry.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **GL Code** | **Name** | **Dr/Cr** | **Amount** | **WBS** | **Reference** |
| 810199 | Content Suspense | Dr | XXXXX | Same as the one in Billing Doc line item | Billing doc and line item concatenated |
| XXXXX | Asset (90 series sub-asset) | Cr | XXXXX | Same as the one in Billing Doc line item | Billing doc and line item concatenated |

Ref program - ZLEASE\_PROCESS\_EXE

## Triggers and Other Process Requirements

### Triggers

|  |  |
| --- | --- |
| Transaction Name or Batch Job: |  |
| File Appearing |  |

|  |  |  |
| --- | --- | --- |
| **File naming convention: Type of file** | **Normal file** | **Encrypted file** |
|  |  |  |
|  |  |  |

### Transaction Information

### Legacy Transaction Information (TBD)

**Transaction Code :** Enter transaction code

**Name of Transaction :** Enter name of transaction

**Name of First Screen :** Enter name of first screen

|  |  |  |  |
| --- | --- | --- | --- |
| Field Description | Technical Field Name | Table (if known) | Example Value |
|  |  |  |  |
|  |  |  |  |

## EDI Functional Requirements (TBD)

## Error Handling, Correction and Recovery (TBD)

*Notifications should be sent to business and technical team support.*

|  |  |  |  |
| --- | --- | --- | --- |
| *Step No.* | *Error/Warning/Information* | *Description* | *Handling Process* |
|  |  |  |  |
|  |  |  |  |

# Security and Controls

## Security Requirements (TBD)

|  |  |  |
| --- | --- | --- |
| Role | Transaction Code(s) | Level of Security |
|  |  |  |
|  |  |  |

## Auditing and Control Requirements (TBD)

### Special Processing Requirement

|  |  |
| --- | --- |
| Application Post Processing: | <A trigger is initiated after the message has been processed.> |
| Close Loop Processing: | <Close Loop Processing is an end to end process where there are a series of triggers at source and target which completes the end to end cycle> |
| Audit Trail / Logging | <Is a check required that all records have been received? What are the criteria for logging?>  <Log the date/time of every message successfully received> |
| Data Encryption / Decryption Requirements | <Mention any special requirements for enhanced security (e.g. Salary, SSN etc.,)> |

### 

### Routing Rules (TBD)

# Attachments and Documentation



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