

SAP Technical Specification Document

This document provides the technical design for custom SAP development to manage dispatch, stock, and token update functionality using VEPToken as the key field. All development will be done inside SAP ABAP stack (ECC/S4HANA) without external systems.

Custom Tables

1. ZWH_DISPATCH
 - Key: VEPToken
 - Stores Dispatch data
2. ZSTOCK_UPDATE
 - Key: VEPToken
 - Stores Stock update records
3. ZTOKEN_DEL_UPDATE
 - Key: VEPToken
 - Stores Token deletion/update records

Reports & Transactions

1. ZVEPT_SUMMARY: User enters VEPToken → system fetches data from ZWH_DISPATCH, ZSTOCK_UPDATE, ZTOKEN_DEL_UPDATE and displays 3-tab summary (ALV Grid).
2. ZVEPT_DISP: Dispatch window for ZWH_DISPATCH table (Update/Delete + Add New Line).
3. ZVEPT_STOCK: Stock update window for ZSTOCK_UPDATE table (Update/Delete).
4. ZVEPT_TOKEN: Token update/delete window for ZTOKEN_DEL_UPDATE table.

Special Logic – Add New Line (ZWH_DISPATCH)

- When user chooses 'Add New Line' in ZVEPT_DISP:
 1. User enters OBD Number.
 2. System fetches batch line item details from standard SAP table **LIPS**.
 3. Pre-populates fields (Material, Batch, Quantity, Plant, Storage Location, etc.).
 4. User can edit before saving.
 5. Data is inserted into ZWH_DISPATCH with corresponding VEPToken.

Object	Name	Description
Program	ZVEPT_SUMMARY	Report for summary view of 3 tables
Program	ZVEPT_DISP	Maintenance program for ZWH_DISPATCH
Program	ZVEPT_STOCK	Maintenance program for ZSTOCK_UPDATE
Program	ZVEPT_TOKEN	Maintenance program for ZTOKEN_DEL_UPDATE
Table	ZWH_DISPATCH	Custom table for dispatch data
Table	ZSTOCK_UPDATE	Custom table for stock updates
Table	ZTOKEN_DEL_UPDATE	Custom table for token deletion/update

Security & Authorization

- Authorization object Z_VEP_AUTH will control access.
- Activities:
 - 01 - Display
 - 02 - Change

06 - Delete
15 - Add new line

Transport & Testing

- Development in DEV → Transport to QAS → Transport to PRD.
- Unit Testing: Verify CRUD operations on each table.
- Integration Testing: Validate LIPS fetch logic with OBD.
- UAT: Conducted with business users.