

ERP-713 Mobility-Central Functions - Desktop Handheld Manager app

Status	Approved
Owner	BIRSE-ext, Gary
Stakeholders	PALMER, Francine RIZOS, Antonios VENKAT-ext, Rama
Jira Request ID	 ERP-406 - Jira project doesn't exist or you don't have permission to view it.
Jira Development ID	 ERP-713 - Jira project doesn't exist or you don't have permission to view it.

High- Level Specification

Parameter	Value
Application System	SAP S4/HANA SyWay
Business Process Reference	04.06 Manage Production Execution 06.10 Manage Inventory and Logistics 06.11 Manage Warehouse and Logistics 06.12 Manage Transportation

Functional Overview

The handheld manager application will allow monitoring of all transactions posted from the Logistics Mobility Solution Apps. Plant parameters used in the handheld solution can also be maintained.

This app will appear on the Neptune launchpad, only when the launchpad is executed in desktop mode.

Scope and Objectives

Monitoring of transactions posted from the Neptune Mobility Solution Apps, including the last message returned from SAP.

Maintenance of the plant parameters used in the Neptune Mobility Solution.

Process Flow Diagram

The Central Functions Mobile Admin app can be used by all users of the Logistics Mobility Solution.

Step	Description	Comment
1	Enter selection criteria. e.g. Plant, date range and user, and errors only.	
2	View report results. Analyze error messages.	

Assumptions

None

Dependencies

None

Security, Integrity and Controls

To display transactions posted from the Neptune Mobility Solution, or to display the plant parameters, the user must have display access for the selected plant. Check object M_MSEG_WMB for Activity 03 and the selected plant. If no access, show the message "No authorization for plant <9999>".

To maintain plant parameters the user must have the system support profile.

Configuration Requirements

None

Language Requirements

This app will be available in all SyWay languages.

Special Requirements

None

Design Rationale

Functional Requirements

Handheld App Postings

The selection screen will allow the selection of:

- Transaction (Select Option)
- Plant (Select Option) Default to value of PID WRK, when present.
- Date (Select Option) Default to today's date.
- Time (Select Option)
- User (Select Option)
- Only Errors (Checkbox)

The report results will show the transaction name, the plant, the warehouse (for EWM postings), the object processed (e.g. HU), the date and time the posting was started, the user that made the posting, the SAP document number posted and a status traffic light and the last message returned from SAP.

Transactions that posted successfully will show with a green traffic light and the success message returned from SAP.

Transactions that failed will show a red traffic light and the error message received from SAP.

When the only errors checkbox is selected, only transactions that failed will be reported.

Plant Parameter Maintenance

This option will display all configuration parameter values for the plant of the user. Users with support access will be able to maintain the parameter values. Maintenance will allow parameters to be added or deleted as well as allowing the parameter values to be changed.

Example of configuration table entries

Plant	Parameter	Value
1001	GI_PROCESS_ORDER_POSTING_TO_PCCD	N
1001	GR_PROCESS_ORDER_POSTING_TO_PCCD	N
1001	INBOUND_QUALITY_CHECKLIST	Y
1001	OUTBOUND_QUALITY_CHECKLIST	Y
1001	HU_PIDS_LOWEST_LEVEL_COUNT	N
1001	HU_OUTBOUND_LOADING	N

Recommended UI Technology

This app will be developed using Neptune DXP Open Edition. The app will appear on the Neptune launchpad but only when executed in desktop mode.

Application Screen

Wireframe or Mock-Up

Example results of Handheld App Postings:

Application	Plant	Warehouse	Object	Date	Time	User	Name of User	Document	Status	Message
HU SLoc Transfer	1003		254012361000123005	10.11.2025	15:43:34	BIRS7840	Gary Birse	4900002995		Packaging data was saved. Material document 4900002995 was created
HU SLoc Transfer	1003		254012361000124512	10.11.2025	15:44:20	BIRS7840	Gary Birse	4900003005		Packaging data was saved. Material document 4900003005 was created
HU Stock Type Change	1003		254012361000234398	10.11.2025	15:44:40	BIRS7840	Gary Birse			HU 254012361000234398 locked by user SMIT8345
HU Pack/Unpack	1003		254012361000264827	10.11.2025	15:45:01	BIRS7840	Gary Birse	4901230003		Handling unit changed
EWM Putaway	1057	1057	100007199	10.11.2025	16:05:34	BIRS7840	Gary Birse	100007199		Warehouse task 100007199 was confirmed
EWM Picking	1057	1057	100008023	10.11.2025	16:42:15	BIRS7840	Gary Birse	100008023		Warehouse task 100008023 was confirmed
EWM Picking	1057	1057	100008026	10.11.2025	16:45:45	BIRS7840	Gary Birse	100008026		Warehouse task 100008026 was confirmed

Screen Behavior

No special behavior required.

Screen Navigation

Standard navigation.

Data Integration

Postings from the Neptune Mobility Solution will be stored in a custom table. See ERP-712.

Custom Tables

Plant parameters will be stored in a custom table

Field	Table-Field Name	Comments / Calculation / Field Manipulation / Input / Output / Validation rule / Value help
Plant		
Parameter		
Parameter Value		

Plant Parameters:

Parameter	Allowed Values
GI_PROCESS_ORDER_POSTING_TO_PCCD	Yes / No
GR_PROCESS_ORDER_POSTING_TO_PCCD	Yes / No
INBOUND_QUALITY_CHECKLIST	Yes / No
OUTBOUND_QUALITY_CHECKLIST	Yes / No
HU_PIDS_LOWEST_LEVEL_COUNT	Yes / No
HU_OUTBOUND_LOADING	Yes / No

Tooltips

None

Front-End

This app can only be executed in desktop mode.

Mobile Services

Not applicable.

Authentication & Authorization

To display transactions posted from the Neptune Mobility Solution, or to display the plant parameters, the user must have display access for the selected plant. Check object M_MSEG_WMB for Activity 03 and the selected plant. If no access, show the message "No authorization for plant <9999>".

To maintain plant parameters the user must have the system support profile.

Accessibility

Not applicable.

Volumetrics

This solution will be used at approximately 100 plants. The total users is estimated to be around 800.

Error Handling

Only authorization errors apply.

Testing

How to Test

Test Conditions and Expected Results

ID	Condition	Expected Result
1	List all postings for the current month for a single plant	All applicable postings made from Logistics Mobility Solution apps are displayed correctly.
2	List all postings for today for all plants	All applicable postings made from Logistics Mobility Solution apps are displayed correctly.
3	List all postings from the HU Stock Type Change app for the current month for all plants	All applicable postings made from Logistics Mobility Solution apps are displayed correctly.
4	List all postings for a specific user.	All applicable postings made from Logistics Mobility Solution apps are displayed correctly.
5	List all posting for a plant when the user does not have display access for the plant.	Authorization error shows.
6	Show the plant parameters for a specific plant	All plant parameters for specific plant are displayed.
7	Change a plant parameter.	Plant parameter changes successfully.
8	Change a plant parameter for a plant when the user does not have support access.	Authorization error shows.

Test Considerations/Dependencies

None

Other Information

None

Development Details

Package

Package Name	Parent Package

UI Implementation

UI Type	UI Name	Fiori Catalogue	Design Rationale Reference

API Implementation

API Type	API Name	Purpose / High Level Logic	API Product	Design Rationale Reference

Other Development Objects

Object Type	Object Name	Purpose/High Level Logic	Design Rationale Reference

Appendix

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 13)	Dec 17, 2025 12:31	BIRSE-ext, Gary	
v. 12	Dec 11, 2025 11:35	BIRSE-ext, Gary	
v. 11	Dec 09, 2025 10:40	BIRSE-ext, Gary	
v. 10	Dec 09, 2025 10:29	BIRSE-ext, Gary	
v. 9	Dec 09, 2025 10:27	BIRSE-ext, Gary	
v. 8	Nov 13, 2025 17:25	BIRSE-ext, Gary	
v. 7	Nov 10, 2025 16:31	BIRSE-ext, Gary	
v. 6	Nov 10, 2025 16:28	BIRSE-ext, Gary	
v. 5	Nov 10, 2025 16:25	BIRSE-ext, Gary	

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Workflow history

This view shows the 5 most recent entries. The complete workflow log is available from the 'Document Activity' menu item.

Dec 18, 2025	Actor	Type	Activity	Version
Approved	 VENKAT-ext, Rama	State	changed state to Approved at 11:36 am	v13
Lead Approval	 VENKAT-ext, Rama	State	gave <i>POD Lead Review</i> approval at 11:36 am Reviewed and Approved for development	
	BIRSE-ext, Gary	State	assigned approval <i>POD Lead Review</i> to  VENKAT-ext, Rama at 8:09 am	
	MAKKAY-ext, Kas	State	changed expiry date to '25 Dec, 2025 03:47 am' at 3:47 am	
		State	changed state to Lead Approval at 3:47 am	v13
Edited following Tech Review	MAKKAY-ext, Kas	State	gave <i>Minor change</i> approval at 3:47 am	