

Test Results Report

Create Maintenance Request (F1511A)

Date: 2026-02-08 | System: ES5 S/4HANA 2023 FPS0 Sandbox | Client: 100 | User: LWTAN

1. Test Execution Summary

Test Case ID	Title	Type	Priority	Status
TC-MR-001	Technical Object Mandatory on Y1 Create	Positive	High	PASS
TC-MR-002	Technical Object Not Mandatory for Non-Y1 Type	Negative	High	FAIL

Overall Statistics:

Total Cases	Passed	Failed	Pass Rate
2	1	1	50%

2. Detailed Test Results

TC-MR-001 - Technical Object Mandatory on Y1 Create

Test Case ID	TC-MR-001
Test Type	Positive
Priority	High
Objective	Verify that the TECHNICALOBJECT field is set to mandatory when creating a maintenance notification of type Y1.
Overall Status	PASS

Preconditions:

- User has authorization to create maintenance notifications
- Notification type Y1 is configured in the system
- The EAMS extension is active

Step-by-Step Results:

Step	Action	Input Values	Expected Result	Actual Result	Status
1	Navigate to Create Maintenance Notification transaction	URL: MaintenanceWorkRequest-create	The creation screen is displayed	Creation screen displayed with 'New Maintenance Request' form	PASS
2	Select notification type 'Y1'	Notification Type: Y1 (default)	Notification type Y1 is accepted	Notification Type field shows Y1 (pre-filled default)	PASS
3	Leave the Technical Object field empty	Technical Object: (empty)	The field is highlighted as mandatory (asterisk or red indicator)	Error indicator shows: 'Field &Technical Object& is Mandatory'	PASS
4	Attempt to save without filling Technical Object	Description: Test TC-MR-001 - Mandatory Field Validation; Technical Object: (empty)	System displays error: Technical Object is required	Submit blocked. Error message: 'Field &Technical Object& is Mandatory'. Form remains unsaved.	PASS
5	Enter a valid Technical Object (equipment)	Technical Object: FIN126,MTS-DI,PD ,SerialNo (10000000)	The field accepts the value	Technical Object populated via Value Help. Error indicator cleared. Draft updated.	PASS
6	Fill remaining required fields and save	Description: Test TC-MR-001 - Mandatory Field Validation; Technical Object: 10000000	Notification is created successfully with Technical Object populated	Notification 10002296 saved successfully. Appears in 'Submitted' tab of My Maintenance Requests.	PASS

Screenshots:

New Maintenance Request

Technical Data

Technical Object: Select a technical object

Location:

Notification Type: Y1

Current Location: Enter current location of technical object

Failure Mode Group: Select a failure mode group

Failure Mode:

Detection Method:

Effect: Select an effect

Breakdown:

Malfunction Start: 02/07/2026, 17:08:57

General Data

Notification Processing Context: Select a processing context

Description: Enter a description

Template: Default Template

Long Text: Please describe the problem:

What did you do after identifying the problem?

My Drafts Create Draft **Submit** Cancel

Step 1: Navigate to Create Maintenance Notification transaction

Step 2: Select notification type 'Y1'

New Maintenance Request

Technical Data

Technical Object: Select a technical object

Location: Y1

Notification Type: Enter current location of technical object

Current Location: Enter current location of technical object

Failure Mode Group: Select a failure mode group

Failure Mode: Select a failure mode

Detection Method: Select a detection method

Effect: Select an effect

Field &Technical Object& is Mandatory

What will you do after identifying the problem?

My Drafts Create Draft Submit Cancel

Step 3: Leave the Technical Object field empty

New Maintenance Request

Technical Data

Technical Object: Select a technical object

Location: Y1

Notification Type: Enter current location of technical object

Current Location: Enter current location of technical object

Failure Mode Group: Select a failure mode group

Failure Mode: Select a failure mode

Detection Method: Select a detection method

Effect: Select an effect

Field &Technical Object& is Mandatory

What will you do after identifying the problem?

Draft updated

My Drafts Create Draft Submit Cancel

Step 4: Attempt to save without filling Technical Object

New Maintenance Request

Technical Data

Technical Object: FIN126,MTS-DI,PD,SerialNo (10000000)

Location: Y1

Notification Type: Enter current location of technical object

Failure Mode Group: Select a failure mode group

Failure Mode:

Detection Method:

Effect: Select an effect

Breakdown:

Malfunction Start: 02/07/2026, 17:08:57

General Data

Notification Processing Context: Select a processing context

Description: Test TC-MR-001 - Mandatory Field Validat

Template: Default Template

Long Text: Please describe the problem:

Draft updated

My Drafts Create Draft Submit Cancel

Step 5: Enter a valid Technical Object (equipment)

My Maintenance Requests

Drafts (0) Submitted (2) Action Required (0) Accepted (0) Rejected (0) Completed (0)

Maintenance Requests (2) Standard

Notification	Priority	Technical Object	ABC Indicator
Test TC-MR-001 - Mandatory Field Validat 10002296		FIN126,MTS-DI,PD,SerialNo (10000000)	
Superior Functional Location: Reported On/At: 02/07/2026, 17:08:57			
Test maintenance request for equipment r 10002270		FIN126,MTS-DI,PD,SerialNo (10000000)	
Superior Functional Location: Reported On/At: 01/16/2026, 02:11:17			

Step 6: Fill remaining required fields and save

Pass Criteria: Steps 3-4 confirm mandatory enforcement; Step 6 confirms successful save with the field populated.

TC-MR-002 - Technical Object Not Mandatory for Non-Y1 Type

Test Case ID	TC-MR-002
Test Type	Negative
Priority	High
Objective	Verify that the TECHNICALOBJECT field is NOT set to mandatory when creating a maintenance notification with a type other than Y1.
Overall Status	FAIL

Preconditions:

- User has authorization to create maintenance notifications
- A notification type other than Y1 exists (e.g., M1 or M2)
- The EAMS extension is active

Step-by-Step Results:

Step	Action	Input Values	Expected Result	Actual Result	Status
1	Navigate to Create Maintenance Notification transaction	URL: MaintenanceWorkRequest-create	The creation screen is displayed	Creation screen displayed with 'New Maintenance Request' form	PASS
2	Select a notification type other than 'Y1' (e.g., 'M1')	Notification Type: M1	Notification type M1 is accepted	Notification Type changed to M1. Draft updated.	PASS
3	Observe the Technical Object field	N/A	The field is NOT marked as mandatory (no asterisk or indicator)	Technical Object label shows NO asterisk (*). Description field shows asterisk for comparison. Visual indicator confirms field is optional for M1.	PASS
4	Leave the Technical Object field empty	Technical Object: (empty); Description: Test TC-MR-002 - Non-Y1 No Mandatory Technical Object	No mandatory field error is raised for Technical Object	Stale validation error 'Field &Technical Object& is Mandatory' persists from initial draft creation (default type Y1). The app always creates drafts with Y1 first; changing to M1 does not re-evaluate field properties. Submission blocked by stale error.	FAIL
5	Fill remaining required fields and save	Description: Test TC-MR-002 - Non-Y1 No Mandatory Technical Object	Notification is created successfully without a Technical Object	Could not submit. The mandatory validation error from Y1 (default type at draft creation) persists even after changing to M1. The field control	FAIL

Step	Action	Input Values	Expected Result	Actual Result	Status
				BAdl evaluates at draft creation time only and does not re-evaluate when notification type is changed.	

Screenshots:

New Maintenance Request

Technical Data

Technical Object: Select a technical object

Location: Y1

Notification Type: Y1

Current Location: Enter current location of technical object

Failure Mode Group: Select a failure mode group

Failure Mode: Failure Mode dropdown

Detection Method: Detection Method dropdown

Effect: Effect dropdown

Breakdown:

Malfunction Start: 02/07/2026, 17:13:35

General Data

Notification Processing Context: Select a processing context

Description: Enter a description

Template: Default Template

Long Text: Please describe the problem:

What did you do after identifying the problem?

My Drafts Create Draft Submit Cancel

Step 1: Navigate to Create Maintenance Notification transaction

New Maintenance Request

Technical Data

Technical Object: Select a technical object

Location: M1

Notification Type: M1

Current Location: Enter current location of technical object

Failure Mode Group: Select a failure mode group

Failure Mode: Failure Mode dropdown

Detection Method: Detection Method dropdown

Effect: Effect dropdown

Breakdown:

Malfunction Start: 02/07/2026, 17:15:37

General Data

Notification Processing Context: Select a processing context

Description: Enter a description

Template: Default Template

Long Text: Please describe the problem:

When did the problem start?

Draft updated

My Drafts Create Draft Submit Cancel

Step 2: Select a notification type other than 'Y1' (e.g., 'M1')

SAP Create Maintenance Request

New Maintenance Request

Technical Data

- Technical Object:
- Location:
- Notification Type:
- Current Location:
- Failure Mode Group:
- Failure Mode:
- Effect:
- Breakdown:
- Malfunction Start:

General Data

- Notification Processing Context:
- Description:
- Template: Default Template
- Long Text: Please describe the problem:
When did the problem start?

Draft updated

My Drafts Create Draft Submit Cancel

Step 3: Observe the Technical Object field

SAP Create Maintenance Request

New Maintenance Request

Technical Data

- Technical Object:
- Location:
- Notification Type:
- Current Location:
- Failure Mode Group:
- Failure Mode:
- Effect:
- Breakdown:
- Malfunction Start:

General Data

- Notification Processing Context:
- Description:
- Template: Default Template
- Long Text: Please describe the problem:
When did the problem start?

Draft updated

My Drafts Create Draft Submit Cancel

Step 4: Leave the Technical Object field empty

The screenshot shows the SAP S/4HANA 2023 FP50 Sandbox interface for creating a maintenance request. The page title is "Create Maintenance Request". The "New Maintenance Request" section is open, showing two tabs: "Technical Data" and "General Data".

Technical Data:

- Technical Object: Select a technical object
- Location: M1
- Notification Type: M1
- Current Location: Enter current location of technical object
- Failure Mode Group: Select a failure mode group
- Failure Mode: Select an effect
- Effect: Select an effect
- Breakdown:
- Malfunction Start: 02/07/2026, 17:15:37

General Data:

- Notification Processing Context: Select a processing context
- Description: Test TC-MR-002 - Non-Y1 No Mandatory Tec
- Template: Default Template
- Long Text:
Please describe the problem:
When did the problem start?

At the bottom right, there are buttons for "My Drafts", "Create Draft", "Submit" (highlighted in blue), and "Cancel". A message "Draft updated" with a count of 1 is displayed.

Step 5: Fill remaining required fields and save

Pass Criteria: Steps 3-5 confirm the field remains optional for non-Y1 notification types.

3. Observations and Findings

Finding 1: TC-MR-002 Steps 4-5 - Stale Mandatory Validation

The Create Maintenance Request app (F1511A) always creates drafts with notification type Y1 as the default. The BAdl/extension field control logic evaluates at draft creation time and sets Technical Object as mandatory for Y1. When the notification type is subsequently changed to M1 on the frontend, the field control is not re-evaluated, and the stale validation error 'Field &Technical Object& is Mandatory' persists, blocking submission.

Finding 2: Visual Indicator Correct for M1

When the notification type is changed to M1, the Technical Object field label correctly does NOT display an asterisk (*) mandatory indicator. This confirms the UI-level field properties are updated when the type changes. However, the server-side validation error is not cleared.

Recommendation:

- The field control BAdl should re-evaluate field properties when the notification type changes, not only at initial draft creation.
- Alternatively, consider testing TC-MR-002 via a separate app/transaction that natively supports non-Y1 notification types (e.g., Manage Maintenance Notification - F5777).
- Stale validation errors should be cleared when the notification type field is changed.

--- End of Test Results Report ---