

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

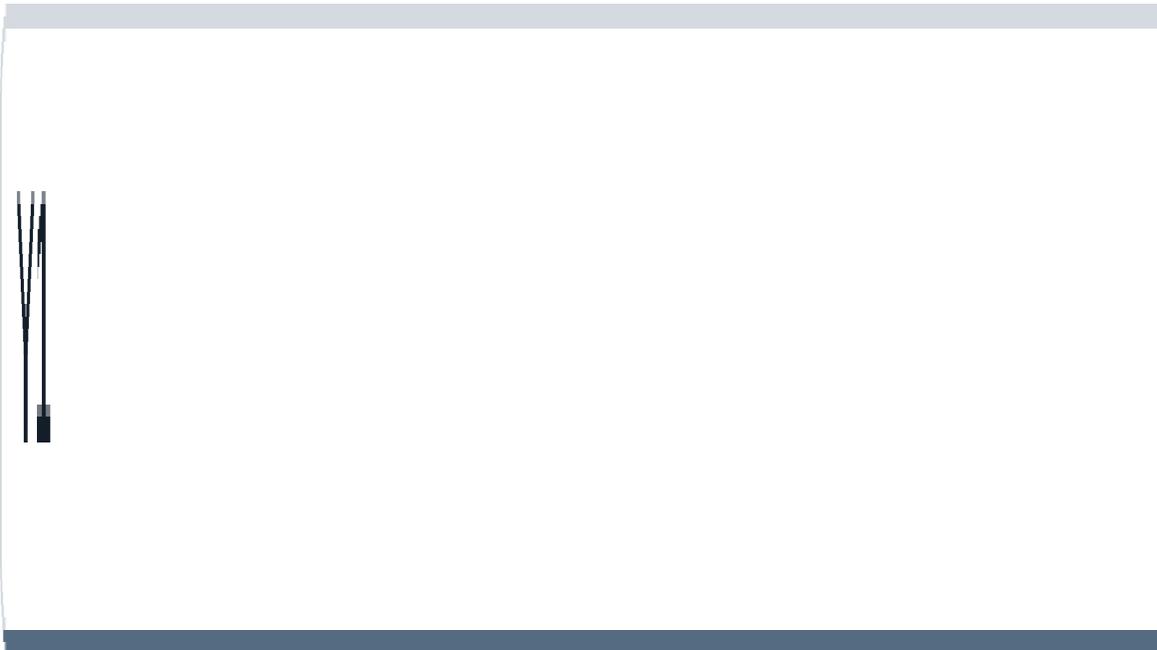
Step-by-Step Results:

| 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:

The screenshot shows the SAP 'Create Maintenance Request' transaction. The form is titled 'New Maintenance Request' and is divided into two main sections: 'Technical Data' and 'General Data'.
Technical Data Section:
- Technical Object: Select a technical object (dropdown)
- Location: (text field)
- Notification Type: Y1 (dropdown)
- Current Location: Enter current location of technical object (text field)
- Failure Mode Group: Select a failure mode group (dropdown)
- Failure Mode: (text field)
- Detection Method: (dropdown)
- Effect: Select an effect (dropdown)
- Breakdown: (checkbox)
- Malfunction Start: 02/07/2026, 17:08:57 (text field)
General Data Section:
- Notification Processing Context: Select a processing context (dropdown)
- Description: Enter a description (text field)
- Template: Default Template (text field)
- Long Text: Please describe the problem: (text area)
At the bottom of the form, there is a red error icon with the number '1' and a question mark, and a prompt: 'What did you do after identifying the problem?'. On the right side, there are buttons for 'My Drafts', 'Create Draft', 'Submit', and 'Cancel'.

Step 1: Navigate to Create Maintenance Notification transaction



Step 2: Select notification type 'Y1'

The screenshot shows the 'New Maintenance Request' form in SAP. The 'Technical Data' section is expanded, showing fields for 'Technical Object', 'Location', 'Notification Type' (Y1), 'Current Location', 'Failure Mode Group', 'Failure Mode', 'Detection Method', and 'Effect'. A red error message box is overlaid on the 'Technical Object' field, stating 'Field &Technical Object& is Mandatory'. At the bottom left, a red icon with the number '1' indicates an error. At the bottom right, there are buttons for 'My Drafts', 'Create Draft', 'Submit', and 'Cancel'. A question mark icon is visible at the bottom center of the form area.

Step 3: Leave the Technical Object field empty

This screenshot is similar to the previous one, showing the 'New Maintenance Request' form. The 'Technical Object' field is still empty. A red error message box is still present. At the bottom left, a red icon with the number '1' is accompanied by the text 'Draft updated'. The 'Submit' button is highlighted in blue. The question mark icon is still present at the bottom center.

Step 4: Attempt to save without filling Technical Object

The screenshot shows the 'Create Maintenance Request' form in SAP. The 'Technical Data' section includes fields for:

- Technical Object: FIN126.MTS-DI,PD,SerialNo (10000000)
- Location: (empty)
- Notification Type: Y1
- Current Location: Enter current location of technical object
- Failure Mode Group: Select a failure mode group
- Failure Mode: (empty)
- Detection Method: (empty)
- Effect: Select an effect
- Breakdown: (checkbox)
- Malfunction Start: 02/07/2026, 17:08:57

 The 'General Data' section includes:

- Notification Processing Context: Select a processing context
- Description: Test TC-MR-001 - Mandatory Field Validat
- Template: Default Template
- Long Text: Please describe the problem:

 At the bottom, there are buttons for 'My Drafts', 'Create Draft', 'Submit', and 'Cancel'. A status bar at the bottom indicates 'Draft updated' and a question 'What did you do after identifying the problem?'.

Step 5: Enter a valid Technical Object (equipment)

The screenshot shows the 'My Maintenance Requests' dashboard. It features a filter bar with counts for Drafts (0), Submitted (2), Action Required (0), Accepted (0), Rejected (0), and Completed (0). Below the filter bar, there is a table titled 'Maintenance Requests (2) Standard' with the following data:

| Notification | Priority | Technical Object | ABC Indicator |
|---|----------|--------------------------------------|---------------|
| Test TC-MR-001 - Mandatory Field Validat 10002295 Superior Functional Location: Reported On/At: 02/07/2026, 17:08:57 | | FIN126.MTS-DI,PD,SerialNo (10000000) | > |
| Test maintenance request for equipment r 10002270 Superior Functional Location: Reported On/At: 01/16/2026, 02:11:17 | | FIN126.MTS-DI,PD,SerialNo (10000000) | > |

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

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|-----------------------|---|
| 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 |
|------|--------|--------------|-----------------|--|--------|
| | | | | BAdI evaluates at draft creation time only and does not re-evaluate when notification type is changed. | |

Screenshots:

The screenshot shows the SAP 'Create Maintenance Request' transaction. The 'Technical Data' section includes fields for Technical Object, Location, Notification Type (Y1), Current Location, Failure Mode Group, Failure Mode, Detection Method, Effect, Breakdown, and Malfunction Start (02/07/2026, 17:13:35). The 'General Data' section includes Notification Processing Context, Description, Template (Default Template), and Long Text. A red error icon is visible at the bottom left, and buttons for 'My Drafts', 'Create Draft', 'Submit', and 'Cancel' are at the bottom right.

Step 1: Navigate to Create Maintenance Notification transaction

This screenshot shows the same SAP transaction after the 'Notification Type' has been changed to 'M1'. The 'Malfunction Start' is now '02/07/2026, 17:15:37'. The 'General Data' section shows the 'Long Text' field with the prompt 'When did the problem start?'. A red error icon is present at the bottom left, and the 'Draft updated' message is visible. The 'Submit' button is highlighted in blue.

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

SAP Create Maintenance Request

ESS S/4HANA 2023 FPS0 Sandbox

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:

1 Draft updated My Drafts Create Draft Submit Cancel

Step 3: Observe the Technical Object field

SAP Create Maintenance Request

ESS S/4HANA 2023 FPS0 Sandbox

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:

1 Draft updated My Drafts Create Draft Submit Cancel

Step 4: Leave the Technical Object field empty

The screenshot shows the SAP 'Create Maintenance Request' interface. The top navigation bar includes the SAP logo and the text 'Create Maintenance Request'. Below this, the main form is titled 'New Maintenance Request' and is divided into two sections: 'Technical Data' and 'General Data'.

Technical Data Section:

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

General Data Section:

- 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 of the form, there is a status bar with a red 'x' icon and the text 'Draft updated'. On the right side of the status bar, there are buttons for 'My Drafts', 'Create Draft', 'Submit', and 'Cancel'.

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 BAdI/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 BAdI 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 ---