



How to Provide Reason Code Lst on EM web UI

How to Provide a Drop-Down List With Reason Codes for Sending Event Messages on the EM Web UI

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1 SUMMARY

SAP EM offers the possibility to define reason codes, which can be used to identify a specific reason when sending an event message. This document shows which customizing settings are needed to use such reason codes in the EM web UI.

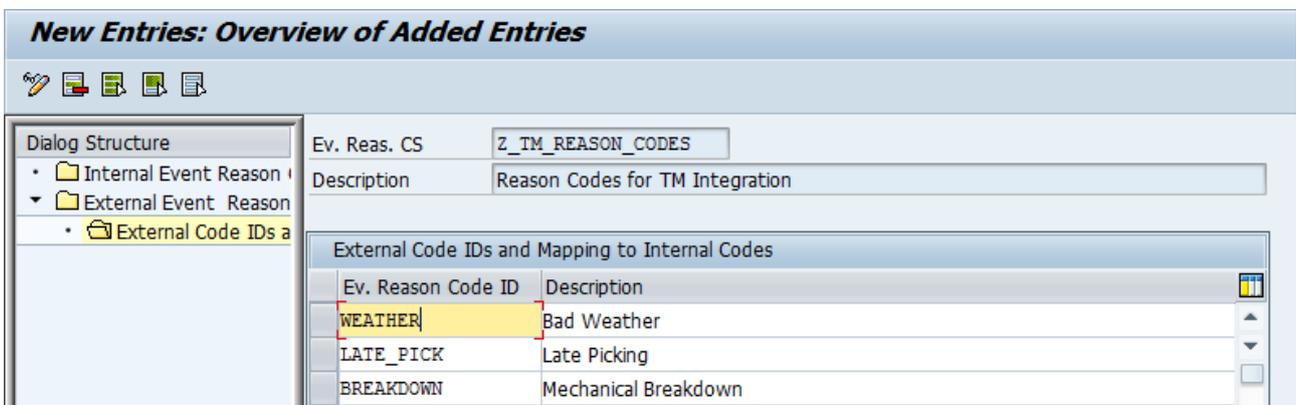
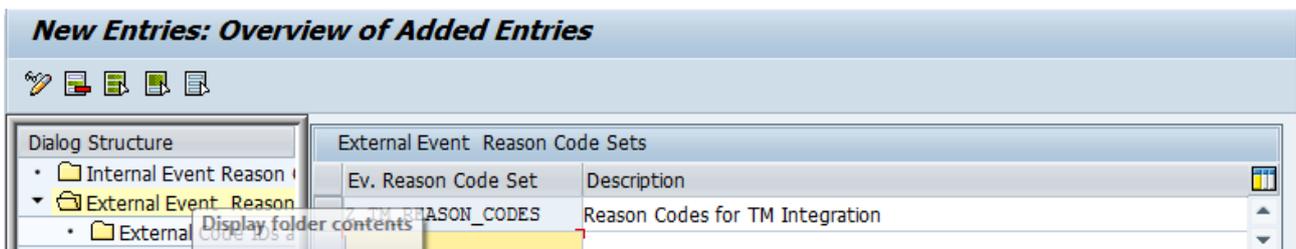
2 CUSTOMIZING

Several customizing settings have to be done to provide a drop-down list with possible reason codes, when sending an event message from the EM web UI.

2.1 Define Event Reason Code Set

In the customizing activity *Define Internal or External Reasons for Events* (path: SPRO -> Event Management -> Event Handlers and Event Handler Data -> Codes -> Event Codes) external event reason code sets can be defined. You need to define one of these code sets for each group of external reason codes that shall be offered together as possible reason codes for an event message.

For each external event reason code set a list of external code IDs with the corresponding mapping to an internal code ID has to be defined. You have to scroll to the right to enter/see/check the internal code ID.



2.2 Define Configured Field for Event Messages

In the customizing activity *Configure Fields for User Profiles* (path: SPRO -> Event Management -> Event Messages, Status Queries, and Web Interface -> Web Interface) a new configured field for event messages has to be defined. It has to refer to the now available EM attribute ID "EVENT REASON CODE:<ExternalEventReasonCodeSet>". This EM attribute ID gets generated automatically when executing this activity after the new code set has been defined.

New Entries: Details of Added Entries

Configured Field: Z_TM_REASON_CODE

Configure Fields for Event Messages

EM Attribute ID: EVENT REASON CODE:Z_TM_REASON_CODES

EM Object: Event Message

Short Description: Reason Code

Long Description: Reason Code

Dis. Mode: Write

Display Length: 20

By System Ind.

Lead. Zeros Ind.

No Fixed Values

Uppercase Search

Def. Value: []

Min. Value: []

Max. Value: []

Group ID Conf. Field: []

Field Order No.: []

ID Map. Type: []

Search Help: []

2.3 Define Event Message Profile

The new configured field has to be added to the event message profile to the event reporting details and/or event confirmation details.

Change View "Event Reporting Details": Overview

New entries [Icons]

Dialog Structure

- User Profile
 - Document Flow
 - Ge [Display folder contents]
- Select
 - Selection Profile De
- Display Profile
 - Event Handler Displ
 - Event Handler Set I
 - Event Display Detail
 - Event Handler Meas
- Event Message Profile
 - Event Reporting It [Event Reporting]
 - Event Confirmation
 - Fast Entry Items
 - Fast Entry Detai
- Event Handler Hierarchy
- Archiving Profile
- Geomap Profile
 - Geomap Event Han
 - Geomap Event Mes

Event Msg. Profile: ZDH_ODT30_SHIPPER_FO

Int. Event Code: DELAYED

Description: Shipper - Freight Order Transp.Exec.Visib.Proc.

Configured Field	Required Fld Ind.	Ord. No.	Row Number
EVT_LOCATION_ID	<input type="checkbox"/>	15	
LATITUDE_ACT	<input type="checkbox"/>	92	1
LATITUDE_NAME	<input type="checkbox"/>	91	1
LATITUDE_TYPE	<input type="checkbox"/>	94	1
LATITUDE_VAL	<input type="checkbox"/>	93	1
LONGITUDE_ACT	<input type="checkbox"/>	82	2
LONGITUDE_NAME	<input type="checkbox"/>	81	2
LONGITUDE_TYPE	<input type="checkbox"/>	84	2
LONGITUDE_VAL	<input type="checkbox"/>	83	2
ODT20_DELAY_DATE	<input type="checkbox"/>	35	
ODT20_DELAY_TIME	<input type="checkbox"/>	40	
ODT20_DELAY_TZON	<input type="checkbox"/>	45	
ODT20_LOC_CITY	<input type="checkbox"/>	25	
ODT20_LOC_COUNTRY	<input type="checkbox"/>	30	
ODT20_LOC_DESC	<input type="checkbox"/>	20	
ODT20_REF_EVENT_LOC	<input checked="" type="checkbox"/>	8	
ODT30_DELAYED_EVT_IO	<input checked="" type="checkbox"/>	5	
REP_DATE_TIME	<input checked="" type="checkbox"/>	10	
ZDH_TR_ID_FU	<input type="checkbox"/>	20	
Z_TM_REASON_CODE	<input type="checkbox"/>	11	

3 SENDING EVENT MESSAGES

The following screenshot show how the above described customizing settings are displayed on the EM Web UI. A drop-down list is displayed to enter one of the external event reason codes that are part of the external event reason code set to which the configured field refers.

Send Event Messages

Delay

* Delayed Event:

* Expected Event Location:

* Actual Event Date:

* Actual Event Time:

* Actual Event Time Zone:

Reason Code:

Location:

Location Description:

Tracking ID FU:

City:

Country:

Estimated Delay Date:

Estimated Delay Time:

Estimated Delay Timezone:

Longitude:

Latitude:

4 TECHNICAL DETAILS

The external event reason code IDs, which have been defined in the customizing, are persisted in database table `/saptrx/sr_codes`. When an event message with an external event reason code ID is sent from the EM Web UI technically the following happens. The external event reason code is automatically mapped to the internal event reason code according to the mapping defined in the customizing.

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