

Explanatory notes: EMSEVT repeated events report

Doc v1.3, 2021.08.31

Introduction

Most EMSEVT events are not supposed to be sent multiple times. Typically, events EMA (posting/collection) and EMI (final delivery) can only occur once for an item. But in practice, there are anomalies and events are sometimes sent multiple times for an item.

It is not considered an anomaly if events EDD (item into sorting centre), EDE (item out of sorting centre) and EMH (unsuccessful delivery) occur more than once for an item.

This report shows when an EMSEVT event was sent multiple times for an item. Events are considered as repeated (=sent multiple times) if the following conditions are met:

- Same item identifier
- Same event code
- Same location code
- Same origin EDI address
- Same destination EDI address

In case of open transit, it is normal that some events are sent to several partners. This is typically the case for event EMK (departure from transit office of exchange) sent by the transit post to the item origin and to the item final destination. These are rightly considered as different events in the report, because they are sent to different EDI addresses.

The report is not based on all EMSEVT messages during the month. Instead, it is based on a sample consisting of a full week (7 consecutive days) of messages.

Report organization

1. Summary

In a summary section, the report lists the 25 EMSEVT events and provides totals per mail class for each event, with the following values:

Heading	Description
% multiple	<p>The percentage of items for which multiple events were sent. It is calculated from the following columns: [Count multiple] / [Count events]</p> <p>The value is displayed in orange if it is between 5 and 10%, except for events EDD, EDE and EMH.</p> <p>The value is displayed in red if it is higher than 10%, except for events EDD, EDE and EMH.</p>
Count multiple	The number of items for which multiple events were sent. There are multiple events if an event was sent at least twice for an item, from the same origin EDI address and to a same destination EDI address.
max p. item	The maximum number of events counted for an item in the sample.

For each item, two or more lines are provided, depending on the number of times the event was sent.

On each line, the following information is displayed:

- Item ID: the item identifier
- Date-time: the event date-time
- EMSEVT line: the full segment extracted from the EMSEVT message; for data privacy reasons, person names are replaced with strings of '*'.

Here is an extract showing the aspect of the details section:

Details:

orig EDI address [REDACTED]		
Event EME		
Item ID	date-time	EMSEVT line
EE862719108PT	20-02-04 09:03	EME+EE862719108PT:PT [REDACTED] 2002040903 [REDACTED] 56 [REDACTED] OE'
EE862719108PT	20-02-04 09:04	EME+EE862719108PT:PT [REDACTED] 2002040904 [REDACTED] 56'
Event EMG		
Item ID	date-time	EMSEVT line
EA159375227BE	20-02-03 09:49	EMG+EA159375227BE:BE [REDACTED] 2002030949 [REDACTED] 2110'
EA159375227BE	20-02-03 12:30	EMG+EA159375227BE:BE [REDACTED] 2002031230 [REDACTED] 2110'
EA159375227BE	20-02-03 12:38	EMG+EA159375227BE:BE [REDACTED] 2002031238 [REDACTED] 2110'
EE445847035IT	20-02-04 11:58	EMG+EE445847035IT:IT [REDACTED] 2002041158 [REDACTED]
EE445847035IT	20-02-04 15:20	EMG+EE445847035IT:IT [REDACTED] 2002041520 [REDACTED] 4110'
EE594043045GB	20-02-05 11:21	EMG+EE594043045GB:GB [REDACTED] 2002051121 [REDACTED]
EE594043045GB	20-02-05 13:34	EMG+EE594043045GB:GB [REDACTED] 2002051334 [REDACTED] 4110'
EE594043071GB	20-02-05 11:21	EMG+EE594043071GB:GB [REDACTED] 2002051121 [REDACTED]
EE594043071GB	20-02-05 13:34	EMG+EE594043071GB:GB [REDACTED] 2002051334 [REDACTED] 4110'