UPU EDI compliance project

Explanatory notes: RESDIT events compliance report
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Introduction

With RESDIT, carriers provide consignment and receptacle tracking in the various stages of handling and transport. UPU code list 100 provides the complete list of RESDIT events.

The RESDIT events compliance report provides information related to these events, focusing on possible anomalies.

The report is not based on all EDI exchanges during the month. Instead, they are based on a sample consisting of 7 consecutive days in the month. The sampling period is displayed in the top right corner of the first page.

Report organization

The report is organized in two parts:

- An overview section
- A detailed section

The report provides three indicators:

- Duplicate events
- Multiple events
- RESDITs without CARDIT

Calculations are provided at receptacle level for all indicators.

A sub-report provides an overview of each indicator.

For the first two (duplicate and multiple events), the detailed section provides samples, to help possible investigations.

For the last indicator (RESDITs without CARDIT), no corresponding information is provided in the detailed section.

Each indicator is detailed below.

Duplicate events

A RESDIT event is considered to be duplicated, at receptacle level, when the exact same event is sent several times.

The event information checked for uniqueness is the following:

- Sending EDI address (carrier)
- Partner EDI address (post)
- RESDIT event type
- Consignment identifier
- Event date-time
- Event location (taken from handover or transport if no handover information is provided)
- Receptacle identifier

Important: transport information is not considered for the uniqueness check, so it is possible that transport information differs between events considered duplicated.

Here is the aspect of the information displayed in the overview section:

1.1 Duplicate events

(same EDI partner, RESDIT event, date-time, location, consignment and receptacle)

RESDIT event	event name	# distinct rec. events	duplicates	max dupl.	percent with dupl.
14	Transport leg completed	2,839	0	0	0.0%
21	Delivered	6,287	7	3	0.1%
24	Uplift	4,846	0	0	0.0%
42	Handover delivered	5	0	0	0.0%
74	Received	3,533	161	2	4.6%

The table below provides a description of each column:

Column name	Description
RESDIT event	The RESDIT event code (UPU code list 100)
Event name	The corresponding RESDIT event name (UPU code list 100)
# distinct rec. events	The total number of distinct receptacle events sent for this RESDIT event, during the week analyzed. If, for example the same event (same RESDIT event, partner EDI address, consignment ID, event location, event date-time, receptacle ID) is sent three times, it is counted only once here.
duplicates	The number of receptacle events sent in duplicates
max dupl.	The maximum number of duplicate events sent for a receptacle
Percent with dupl.	The percentage of receptacle events sent in duplicates. This is the ratio of column "duplicates" over "# distinct rec. events"

The last column is displayed with a colored background, as follows:

Color	Percentage with duplicates
Flashy green	0%
Dark green	0% to 3%
Orange	3% to 15%
Red	Above 15%

Sending duplicate events should always be avoided.

Multiple events

It is considered that there are multiple events, at receptacle level, when the same event is recorded at different dates/times.

The event information checked for uniqueness is the following:

- Sending EDI address (carrier)
- Partner EDI address (post)
- RESDIT event type
- Consignment identifier
- Event location (taken from handover or transport if no handover information is provided)
- Receptacle identifier

Important: transport information is not considered for the check of multiple events, so it is very possible that transport information differs between events considered as multiple events.

Difference between "duplicate" and "multiple" events:

An event is considered to be sent in duplicates when the exact same information is sent multiple times, with the same event date-time. Multiple events are events with a different date-time but for which other information is the same.

It is sometimes normal to have multiple events for a receptacle. For example, a receptacle may be "assigned to load plan" (RESDIT 6), then "removed from load plan" (RESDIT 7), then re-assigned to another load plan (RESDIT 6). But this applies only to certain events. Typically, there should be no duplicates on RESDIT 5 (accepted). And for events with possible duplicates, having too many duplicates may show some issues.

Linked to the above, multiple events for RESDIT 6, 7, 24, 48 and 57 are not counted in the indicator 'multiple events', but are still reported, for information. In other words, having multiple RESDIT for these events does not affect the compliance performance.

RESDIT without CARDIT

This section of the report lists partnerships with posts and indicates the percentage of RESDIT without CARDIT for each. It also provides volume information, at receptacle level.

For calculations, it is considered that a RESDIT is without CARDIT when the consignment ID starts with 'XX': this is the prefix to be used when generating RESDIT without CARDIT.

Example of section 'RESDIT without CARDIT':

1.3 RESDIT without CARDIT

partner EDI address	# rec. events	# rec. events without CARDIT	percent without CARDIT
	18	0	0.0%
	194	0	0.0%
	360	3	0.8%
	26	0	0.0%
	3 335	107	3.2%
	679	7	1.0%
	427	0	0.0%
	207	207	100.0%
	606	0	0.0%
	562	2	0.4%

Details on duplicate and multiple events

The purpose of this section is to show samples of duplicate and multiple events.

The section provides one table with duplicate events and another one with multiple events. The tables are very similar, except for the position of the event date-time.

In each table, only a subset of events is shown: the display is limited to 10 receptacle events per RESDIT event type.

For each listed receptacle and event, one line displays the event information, followed by several lines showing the occurrences of duplication/multiple event.

The screen capture below illustrates the aspect of the tables: it is an extract from the detailed section, on multiple events.

2.2 Multiple events

(only the first 10 occurrencies are displayed, per RESDIT event)

RESDIT event:	14 Transport leg completed					
dest EDI cons. ID	event location rec. ID		event date-time	msg date-time	intref	mesref
███ ███ 033077	VIE ███████ AUY1010300310					
			21-08-17 14:05	21-08-17 14:08	3416898	3416898
			21-08-18 14:05	21-08-18 14:11	3417282	3417282
███ ███ 033077	VIE ███████ AUY1010300200					
			21-08-17 14:05	21-08-17 14:08	3416898	3416898
			21-08-18 14:05	21-08-18 14:11	3417282	3417282
███ ███ 033077	VIE ███████ AUY1010300100					
			21-08-17 14:05	21-08-17 14:08	3416898	3416898
			21-08-18 14:05	21-08-18 14:11	3417282	3417282
███ ███ 033135	ARN ███████ AAUA101950011					
			21-08-19 20:10	21-08-19 20:16	3417785	3417785
			21-08-20 15:15	21-08-20 15:19	3418052	3418052

The table below describes the columns of the tables:

Column name	Description
Dest EDI	The partner EDI address, belonging to the partner post to whom the RESDIT message was sent.
Cons. ID	The consignment identifier (normally aligned with standard UPU S32).
Event location	The event location. The information is a location code, taken from handover information, if provided. If no handover information is provided with the event, then the location is the transport origin location.
Rec. ID	The full receptacle identifier, normally compliant with standard UPU S9.
Event date-time	The event date-time.
Msg date-time	The message preparation date-time (information in the header of the RESDIT message)
Intref	Intref number, taken from the RESDIT header.
mesref	Mesref number, taken from the RESDIT header.

Remark: in the table listing duplicate events, it may happen that the msg date-time, intref and mesref are the same on different lines for the same event. If this happens, it is because within a message, the receptacle event is reported several times.