

Explanatory notes: EDI compliance report, messages other than EMSEVT, PREDES and ITMATT

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Introduction

The EDI compliance report on messages other than EMSEVT, PREDES and ITMATT indicates, for EDI messages sent, the level of compliance with the corresponding UPU messaging standards.

It covers the following messages: RESDES, PRECON, RESCON, CARDIT, as well as generic issues common to all messages.

The report is not based on all EDI exchanges during the month. Instead, it is 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 of the report.

Compliance is checked for the following messaging standards:

<i>Message and version</i>	<i>UPU standard</i>
RESDES V1.1	M13
PRECON V1.1	M10
RESCON V1.1	M12
CARDIT V2.1	M48

Report organization

The report is divided vertically in the following parts, from more general to more detailed:

1. Overview of messages sent
2. Summary of compliance issues per message type and sending EDI address
3. Error details (first 10 occurrences of each type of error)

An anonymized sample EDI compliance report, other messages, is shown below:

EDI compliance - September 2020

Messages other than EMSEVT, PREDES, ITMATT

Sampling period: 21-27 Sep 2020

Operator: [REDACTED]

Overview of messages sent

Message	EDI address	Total messages
CARDIT	[REDACTED]	1118
PRECON	[REDACTED]	1465
RESCON	[REDACTED]	1609
RESEDES	[REDACTED]	3007

1. Summary of issues per message type and sending EDI address

Message type	EDI address	Description	counted in dashboard?	No. msg	% msg
CARDIT	[REDACTED]	142 Main flight departure date-time before consignment completion date-time	<input checked="" type="checkbox"/>	65	5.8%
		150 Inconsistent location: UN/LOCODE announced, 3-char code provided	<input checked="" type="checkbox"/>	34	3.0%
		151 Transit time too short between two flights	<input checked="" type="checkbox"/>	61	5.5%
		156 Issues with totals	<input checked="" type="checkbox"/>	4	0.4%
		PRECON	[REDACTED]	94 Receptacle serial number provided	<input type="checkbox"/>
RESCON	[REDACTED]	131 Mismatch consignment ID - dest EDI address	<input checked="" type="checkbox"/>	2	0.1%
		132 Duplicate receptacle ID in message	<input checked="" type="checkbox"/>	9	0.6%
		RESEDES	[REDACTED]	44 Duplicate receptacle ID in message	<input checked="" type="checkbox"/>

2. Error details (first 10 occurrences of each type of error)

Message type	EDI address	Issue	error category	counted in dashboard	
CARDIT	[REDACTED]	142 - Main flight departure date-time before consignment completion date-time	Logic / business rules	yes	
		EDJ dest	intref	mesref	Line / error details
		AFR11	5913	9203	TDT+20+AF1532+4'
		Consignment:	[REDACTED]	[REDACTED]	Error:Flight dpt: 20-09-21 10:00, consignment completion: 20-09-21 14:26
		FRAFMLH	7546	19333	TDT+20+OS0451+4'
		Consignment:	[REDACTED]	[REDACTED]	Error:Flight dpt: 20-09-21 06:50, consignment completion: 20-09-21 13:17
		FRAFMLH	7547	19337	TDT+20+OS0451+4'
		Consignment:	[REDACTED]	[REDACTED]	Error:Flight dpt: 20-09-21 06:50, consignment completion: 20-09-21 14:08
		FRAFMLH	7547	19338	TDT+20+OS0451+4'
		Consignment:	[REDACTED]	[REDACTED]	Error:Flight dpt: 20-09-21 06:50, consignment completion: 20-09-21 14:23
FRAFMLH	7547	19340	TDT+20+LH0492+4'		
Consignment:	[REDACTED]	[REDACTED]	Error:Flight dpt: 20-09-21 13:20, consignment completion: 20-09-21 14:24		
FRAFMLH	7548	19344	TDT+20+OS0451+4'		
Consignment:	[REDACTED]	[REDACTED]	Error:Flight dpt: 20-09-21 06:50, consignment completion: 20-09-21 17:50		
FRAFMLH	7548	19345	TDT+20+LH0492+4'		
Consignment:	[REDACTED]	[REDACTED]	Error:Flight dpt: 20-09-21 13:20, consignment completion: 20-09-21 17:53		
KLM11	6617	13568	TDT+20+KL1927+4'		
Consignment:	[REDACTED]	[REDACTED]	Error:Flight dpt: 20-09-21 09:40, consignment completion: 20-09-21 11:54		

Each part is detailed below:

Overview of messages sent

This section provides the total of messages sent by the operator during the sampling period and used for the report, per message type and sending EDI address.

Important note: The total number of messages displayed corresponds to the total for the days of sampling, not the month total.

Summary of compliance issues per message type and sending EDI address

This section provides a summary of compliance issues found, per message type and sending EDI address of the operator.

The list of compliance checks performed, with the resulting error description is provided in annex.

For each issue, this sub-section provides an issue number (created in order to have a reference), the corresponding description, indication (yes/no) if this error is counted in the dashboard, the number of messages with at least one occurrence of this issue, and the percentage of these messages (number in the previous column divided by the total number of messages shown in section 'Overview of messages sent').

Note: the percentage given provides a rough indication of the extent of the problem. Depending on the type of issue, an issue may occur multiple times within a single message and this is not reported in the percentage. For example, if, in RESDES, there are 10 receptacles in a dispatch and the same issue affects each of the 10 receptacles, this issue still affects 1 message and is counted as 1 only. But in such a case, the individual issues may all appear in the detailed section (below).

Error details (first 10 occurrences of each type)

For each line in the previous section, a sample of detailed errors is provided. A maximum of 10 occurrences per type is reported, in order to keep the report relatively short.

For each error type, the following information is displayed: the error number, description, error category and indication (yes/no) if this error is counted in the dashboard.

For each error, the exact reference message is provided: sending EDI address, destination EDI address, intref (interchange reference number), mesref (message reference number).

The second line provides additional information:

- When relevant, the identifier of the dispatch or consignment associated to the message (consignment for CARDIT, PRECON and RESCON, the dispatch for RESDES);
- The specific EDIFACT line containing the error is also provided (if relevant), as well as the problematic value (if relevant), with possibly additional relevant information.

With this information, the objective is to assist in resolving the issue.

Annex: list of errors and explanations

Message	Error code	Counted in dashboard?	Description	Explanations
RESDS V1.1	40	Yes	Message structure error	This error is raised when the structure of the message is not compliant with the standard. This usually happens when segments are in the wrong order or a segment/group of segments is missing.
	41	Yes	Invalid dispatch ID	When the length of data element <i>despatch-ID</i> is not 20.
	42	Yes	Invalid event code (CL 119)	When data element <i>receptacle-event</i> is not in UPU code list 119.
	43	Yes	Message sent to the wrong partner	When the owner of the origin IMPC of the dispatch is not the owner of the destination EDI address.
	44	Yes	Duplicate receptacle identifier	When the same receptacle identifier appears more than once in a RESDES message.
	45	Yes	Invalid location code (UN/LOCODE)	When a location is provided with indication that it is a 5-character UN/LOCODE, but the code provided is not a valid UN/LOCODE.
PRECON V1.1	90	Yes	Message structure error	This error is raised when the structure of the message is not compliant with the standard. This usually happens when segments are in the wrong order or a segment/group of segments is missing.
	91	Yes	Mismatch consignment ID - orig EDI address	When the consignment identifier provided in the BGM segment does not start with the same country code as the country code of the origin EDI address of the PRECON message (the first two letters of the EDI address). In order to cover the special case of consignments from ETOEs having an ID starting with the sending IMPC code, the system does not raise an error for such consignments if PRECON is sent from an EDI address belonging to the ETOE owner.
	92	Yes	invalid IATA airline code	When a transport segment provides an airline code but this code is not a valid IATA code

Message	Error code	Counted in dash-board?	Description	Explanations
	93	Yes	Invalid airport/location code	When a transport segment provides an airport code but this code is not a valid IATA code, or when a transport segment provides a 5-character UN/LOCODE but the code is invalid. The check is made both for origin and destination. The description indicates if the problem is with the origin or destination airport.
	94	No	Receptacle serial number provided	The PCI segment provides the receptacle identifier (field <i>receptacle-ID</i>). The segment also contains another field: <i>receptacle-serial-number</i> , conditional. For this second field, the description indicates 'NOT TO BE USED'. The error is raised when field <i>receptacle-serial-number</i> is not empty.
	95	Yes	Duplicate receptacle identifier	When the same receptacle identifier appears more than once in a PRECON message.
RESCON V1.1	130	Yes	Message structure issue	When the structure of the message is not compliant with the standard. This usually happens when segments are in the wrong order or a segment/group of segments is missing.
	132	Yes	Duplicate receptacle identifier	When the same receptacle identifier appears more than once in a RESCON message.
	133	Yes	Invalid location code (UN/LOCODE)	When a location is provided with indication that it is a 5-character UN/LOCODE, but the code provided is not a valid UN/LOCODE.
CARDIT V2.1	140	Yes	Message structure error	This error is raised when the structure of the message is not compliant with the standard. This usually happens when segments are in the wrong order or a segment/group of segments is missing. The message structure differs from the normal one in case of a cancellation CARDIT: in that case, only a few segments are expected. If too many segments are provided in that case, this is reported as a structure error.
	141	Yes	Mismatch consignment ID - orig EDI address	Same as error 91 (see above).
	142	Yes	Main flight departure date-time before consignment completion date-time	Error raised when the departure date-time of the first main transport is before the announced consignment completion date-time.

Message	Error code	Counted in dash-board?	Description	Explanations
	143	Yes	Handover at origin before consignment completion date-time	Error raised when the handover date-time at origin is before the consignment completion date-time.
	144	Yes	Invalid location code for handover at destination	Error raised when the handover location at destination is declared as an IATA airport code but is not a valid IATA airport code
	145	Yes	Handover at destination before consignment arrival date-time	Error raised when the declare date-time of handover at destination is before the declared consignment arrival date-time
	146	Yes	Invalid receptacle type	Error raised when the receptacle type is not in UPU code list 121
	147	Yes	Invalid IATA airline code	Error raised when the airline code used is not a valid IATA airline code
	148	Yes	Invalid IATA airport code	Error raised when the origin or destination airport code is not a valid IATA airport code
	149	Yes	Duplicate receptacle ID in consignment	Error raised when at least one receptacle in the consignment is repeated more than once in the message.
	150	Yes	Inconsistent location: UN/LOCODE announced, 3-char code provided	Error raised when, in a LOC segment, the announced location type is UN/LOCODE (type 6 in data element handover/origin/destination/ <i>location-code-source</i>), but the location provided has 3 characters. NOTE: a UN/LOCODE has 5 characters.
	151	Yes	Transit time too short between two flights	Error raised when the transit time between two consecutive flights is less than 90 minutes. More technically, this is when the following conditions are met: <ul style="list-style-type: none"> - There are multiple transport segments listed in the message - For two consecutive segments: <ul style="list-style-type: none"> o Transport is by air for each segment o The departure time or arrival time is not '0000' for each segment o The time difference between the arrival of the first flight and departure of the second flight is less than 90 minutes

Message	Error code	Counted in dash-board?	Description	Explanations
	152	Yes	Invalid flight date	When the flight date is not valid or is not in the current or next year. For example, when the report is run for December 2018, a date in 2020 or later is considered invalid.
	153	Yes	Invalid flight time	When the flight departure or arrival time is not between 00:00 and 23:59
	154	Yes	Comma as decimal separator	Error raised when the decimal separator used for reporting weights is the comma instead of the point.
	155	Yes	Handover information provided but not expected	When the message includes transport information with qualifier 10 (pre-carriage transport), handover <u>at origin</u> should not be provided. The error is raised if handover information at origin is provided in this case. When the message includes transport information with qualifier 30 (on-carriage transport), handover <u>at destination</u> should not be provided. The error is raised if it is provided in this case.
	156	Yes	Issues with totals	CARDIT includes a totals section, with the total number of receptacles and total weight, per mail class. The issue is raised when there is one of the following issues with the totals section, for one of the mail classes: <ul style="list-style-type: none"> - Incorrect mail class: a mail class other than 'E', 'C', 'U' or 'T'; - Wrong total number of receptacles: the total count in the totals section does not match the number of receptacles listed in the message, for this mail class; - Wrong total weight: the total weight in the totals section does not match the sum of individual receptacle weights listed in the message, for this mail class.
	157	Yes	Invalid EAD information	When one of the EAD (Electronic Advance Data) data elements is not valid: <ul style="list-style-type: none"> - <u>ar-border-agency-authority</u> does not contain one of the authorized codes (CUS, AVS, BOC, QRT); - <u>ar-flag</u> does not contain one of the authorized codes (1, 2, 3, X, N).
	158	Yes	Static transport (orig = dest)	When a transport segment has the same origin and destination location.

Message	Error code	Counted in dash-board?	Description	Explanations
<any>	200	Yes	Interchange sent to own EDI address	This error is raised when the sender and recipient of the interchange is the same designated operator. No details are provided on the error: only the origin EDI address, destination EDI address and 'intref' number.
	201	Yes	Duplicate interchange sent	This error is raised when the same interchange (same origin EDI address, same destination EDI address and same intref number) is sent multiple times. Note: the mechanism does not check if the contents of the interchange are similar. So in case two different interchanges are sent but have the same intref number, this is reported as a duplicate.
	203	No	Non-optimized EDIFACT segment	This error is raised for each segment that is not optimized according to EDIFACT rules. A segment is not optimized when one of the following cases occurs: <ul style="list-style-type: none"> - Character ':' is directly followed by '+' or a ' (quote sign) - Character '+' is directly followed by ' (quote sign) Fictive examples, with the non-optimized parts highlighted: <ul style="list-style-type: none"> - DOC+351:;+CNSZXDITMILAAUX88594' - EMC+EE067248942ZZ+ZZ+1812111809+AAAAA+AAAAAABBBBBBAEN80233+B BBBBB+AAAAAABBBBBBAEN80233001110004++A+EN+R+0.064.:0++201+++DE P::87500 ABCDE FGHIJ KLMNO:;+::CITY+DDP+0:XXX:;+1+' - EMF+ZZ501710552XX:;+YY+1812120824+ABCDEF+++'