

Explanatory notes: PREDES compliance report

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Introduction

The PREDES compliance report indicates, for PREDES messages sent, the level of compliance with the M41 UPU messaging standard (PREDES V2.1).

The PREDES compliance 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.

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 sending EDI address
3. Error details (first 10 occurrences of each type of error)

An anonymized sample PREDES compliance report is shown below:

PREDES compliance - June 2019

Operator: [REDACTED]

Overview of messages sent

Message	EDI address	Total messages
PREDES	[REDACTED]101	395

1. Summary of issues

PREDES [REDACTED]101		counted in dashboard?	No. msg	% msg
Description				
14	Invalid combination of dispatch and receptacle subclasses (RL 117a)	yes	1	0.3%
18	Invalid item non delivery reason code (CL 112)	yes	11	2.8%
20	Zero weight item	no	18	4.6%
32	Mismatch between item handling class and service indicator	yes	10	2.5%

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

PREDES [REDACTED]101			
Issue: 14 - Invalid combination of dispatch and receptacle subclasses (RL 117a)			
error category: Values		counted in dashboard: yes	
EDI dest	intref	mesref	Line / error details
HK101	INTREF12609	MESREF968	FTX+AAQ++UN::139'
Dispatch: [REDACTED]AUR90062 Error:UR-UN			
Issue: 18 - Invalid item non delivery reason code (CL 112)			
error category: Values		counted in dashboard: yes	
EDI dest	intref	mesref	Line / error details
AU101	INTREF13019	MESREF4529	FTX+SUR++11::139'
Dispatch: [REDACTED]ED90126 Error:11			
CA101	INTREF10450	MESREF738	FTX+SUR++25::139'
Dispatch: [REDACTED]EM90133 Error:25			
GB101	INTREF11178	MESREF3092	FTX+SUR++25::139'
Dispatch: [REDACTED]EM90132 Error:25			
HK101	INTREF12540	MESREF941	FTX+SUR++11::139'
Dispatch: [REDACTED]AED90117 Error:11			
IN102	INTREF10755	MESREF999	FTX+SUR++11::139'
Dispatch: [REDACTED]ED90103 Error:11			
JP101	INTREF18441	MESREF5569	FTX+SUR++25::139'
Dispatch: [REDACTED]EM90133 Error:25			
JP101	INTREF18441	MESREF5573	FTX+SUR++11::139'
Dispatch: [REDACTED]ED90129 Error:11			
JP101	INTREF18441	MESREF5573	FTX+SUR++11::139'
Dispatch: [REDACTED]ED90129 Error:11			
JP101	INTREF18441	MESREF5573	FTX+SUR++11::139'
Dispatch: [REDACTED]ED90129 Error:11			
KR101	INTREF13483	MESREF921	FTX+SUR++11::139'
Dispatch: [REDACTED]ED90126 Error:11			

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 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 sending EDI address

This section provides a summary of compliance issues found, per 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 PREDES, 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:

- the identifier of the dispatch associated to the message;
- 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.

Note: for item level issues, only the first occurrence of the error per message is reported.

Annex: list of errors and explanations

Error code	Counted in dashboard?	Description	Explanations
0	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.
1	Yes	Invalid dispatch ID	<p>Error raised when one of the following anomalies is found for the dispatch identifier:</p> <ul style="list-style-type: none"> - the dispatch category, in position 13 of the dispatch ID is not among the allowed values: A, B, C or D - the length of the dispatch ID is not 20 - the last 4 characters of the identifier are not all digits - the digit in position 15 is not the last digit of the current year <p>Note: this check is complemented by the IMPC compliance report, based on the dispatch ID.</p>
2	Yes	Message sent to wrong partner EDI address	<p>Error raised when the owner of the destination IMPC of the dispatch is not the owner of the destination EDI address.</p> <p>Note: the error is not raised in case the destination IMPC is a military unit belonging to the own post as there may be a special agreement to still send the message to the national post in the destination country in this case.</p>
3	Yes	Invalid dispatch close date-time	When the dispatch closing date-time (data element <i>despatch-closed-date-time</i>) is not in the month of the report.
4	Yes	Invalid dispatch accounting date	When the dispatch accounting date (data element <i>despatch-accounting-date</i>) is after the departure date of the first transport segment.
5	No	Wrong dispatch previous number	When the data element <i>despatch-previous-serial-no</i> is provided and contains the current dispatch number minus 1: the rule is that this data element should be provided only for the first dispatch of the year or if there is a gap.
6	Yes	Invalid carrier-code-source	<p>Data element <i>carrier-code-source</i> can take the following values: 3 (IATA), 11, 13, 14 and 16.</p> <p>When a value different from the list above is provided, this error is generated.</p>

Error code	Counted in dashboard?	Description	Explanations
7	Yes	Invalid flight number	<p>When the <i>mode-of-transport</i> is 4 (air), the <i>carrier-code-source</i> is 3 (IATA) and the <i>conveyance-reference</i> has more than 5 characters or has exactly 5 characters and the last one is a digit, this error is raised.</p> <p>This is when an IATA flight number is expected and the maximum length of an IATA flight number is 4, plus a possible one-character suffix.</p>
8	Yes	Invalid IATA airline code	When the <i>carrier-code-source</i> is 3 (IATA) and the <i>carrier-code</i> is not a valid IATA airline code.
9	Yes	Invalid airport/location code	<p>When the origin or destination location of a transport segment is</p> <ul style="list-style-type: none"> - defined as an IATA airport but is not a valid 3-character IATA airport code or - Defined as a UN/LOCODE but is not valid 5-character UN/LOCODE (location code)
10	Yes	Invalid transport date	<p>Applies to the <i>transport-departure-date-time</i> and <i>transport-arrival-date-time</i>.</p> <p>The error is raised if any of the following cases occurs:</p> <ul style="list-style-type: none"> - The segment is provided but the field is empty - The format is date-time (code 201) but only a date is provided - The format is date (code 101) but a date-time is provided
11	Yes	Invalid receptacle type (CL 121)	When data element <i>receptacle-type</i> does not contain a value from UPU code list 121, for at least one receptacle in the dispatch.
12	Yes	Receptacle with 0 weight	<p>When data element <i>receptacle-weight</i> contains value 0 for at least one receptacle in the dispatch.</p> <p>As this reports the gross weight, it is no possible to have a zero weight. The minimum weight is 0.1 kg.</p>
13	Yes	Invalid receptacle mail subclass (CL 117)	When data element <i>receptacle-sub-class</i> contains a value that is not in UPU code list 117, for at least one receptacle in the dispatch.

Error code	Counted in dashboard?	Description	Explanations
14	Yes	Invalid combination of dispatch and receptacle subclasses (RL 117a)	When the combination of receptacle level subclass and dispatch subclass is not valid, for at least one receptacle in the dispatch. Valid combinations are listed in UPU code list 117a.
15	No	Multiple receptacles with document indicator	Data element <i>despatch-document-indicator</i> should be provided for maximum one receptacle in the dispatch. If it is provided for more than one receptacle, this error is raised.
16	No	Receptacle subclass provided when = dispatch subclass	When data element <i>receptacle-sub-class</i> is provided and is equal to the dispatch subclass (position 14-15 of despatch-ID). This is based on the rule expressed in the definition of <i>receptacle-sub-class</i> in M41-7: “This is included only if it is different from the mail sub-class of the despatch.”
17	Yes	Invalid format of contents	When data element <i>receptacle-format-of-contents</i> contains a value that is not in UPU code list 120, for at least one receptacle in the dispatch.
18	Yes	Invalid non delivery code	When data element <i>item-non-delivery-reason</i> contains a value that is not in UPU code list 112, for at least one identified item in the dispatch. Note: CL 112 includes several codes valid in EMSEVT V1 but not in EMSEVT V3. These codes are: 11, 15, 19, 20, 23, 25, 26, 27 and 99. If any of these codes is used, the error is generated.
19	Yes	Invalid item level mail subclass	When data element <i>item-subclass</i> contains a value that is not in the subset of UPU code list 117 that applies to mail items, for at least one identified item in the dispatch. Please check valid values in column ‘Item level’ of code list 117. Note: values CB, CN and UN are marked as allowed but not recommended in CL 117. They are considered valid in the compliance report. In other words, their usage does not raise an error. The error is reported only for the first item of the message with the issue.
20	No	Zero weight item	When data element <i>item-weight</i> contains value 0, for at least one identified item in the dispatch. This refers to section 5.3 of M41-7, rule 9 “Rule for the presence of numbers and weights in conditional fields”. The error is reported only for the first item of the message with the issue.

Error code	Counted in dash-board?	Description	Explanations
21	Yes	No accounting section - parcels	When the dispatch is of mail class C (parcels) and no accounting information is provided: no EQD+PWN segment. This refers to section 5.3 of M41-7, rule 8 "Rule for the presence of accounting information".
22	Yes	No accounting section - letters	When the dispatch is of mail class U (letters), the mail subclass is not UC, UD, UF, UG, UH, UU, UY or UZ, and no accounting information is provided: no EQD+BLK or EQD+DMF or EQD+TDS segment. This refers to section 5.3 of M41-7, rule 8 "Rule for the presence of accounting information".
23	Yes	Parcels: totals for col 6 to 9 but no corresponding info at item level	This error is raised when: <ul style="list-style-type: none"> - <i>parcel-bill-column-6-total</i> is provided for the dispatch but <i>parcel-bill-column-6</i> is not provided for any parcel in the dispatch; - or <i>parcel-bill-column-7-total</i> is provided for the dispatch but <i>parcel-bill-column-7</i> is not provided for any parcel in the dispatch; - or <i>parcel-bill-column-8-total</i> is provided for the dispatch but <i>parcel-bill-column-8</i> is not provided for any parcel in the dispatch; - or <i>parcel-bill-column-9-total</i> is provided for the dispatch but <i>parcel-bill-column-9</i> is not provided for any parcel in the dispatch.
24	No	Parcel cols 6 to 9 provided in MOA with value 0 or not numerical	When any of data elements <i>parcel-bill-column-6</i> , <i>parcel-bill-column-7</i> , <i>parcel-bill-column-8</i> , <i>parcel-bill-column-9</i> at parcel level contains value 0 or a non-numerical string, or when any of data elements <i>parcel-bill-column-6-total</i> , <i>parcel-bill-column-7-total</i> , <i>parcel-bill-column-8-total</i> , <i>parcel-bill-column-9-total</i> at dispatch level contains value 0 or a non-numerical string. This refers to section 5.3 of M41-7, rule 9 "Rule for the presence of numbers and weights in conditional fields".
25	Yes	Carrier name provided when carrier code provided	In the transport segment (TDT), a rule indicates that the carrier code or the carrier name is provided, but not both. So in case both are provided, this error is raised.

Error code	Counted in dash-board?	Description	Explanations
26	Yes	Item ID type provided	<p>For each item listed (segment GID), it is possible to indicate the item-ID-type, from UPU code list 185. It is stated that usage of this attribute has to be bilaterally agreed.</p> <p>This error is raised when the attribute is used, unless the IB is informed of a bilateral agreement allowing its usage.</p> <p>Note: for S10 identifiers, using this attribute does not add value.</p> <p>The error is reported only for the first item of the message with the issue.</p>
27	Yes	Receptacle without any identified item in a UR/UX dispatch	Error raised for each receptacle in a UR/UX dispatch when there is no identified item provided in the receptacle.
28	No	Invalid item handling class	<p>Error raised when the item handling class is provided and is not 'R' or 'V' (handling classes are listed in UPU code list 107).</p> <p>The error is reported only for the first item of the message with the issue.</p>
29	Yes	Invalid receptacle identifier	Error raised when the length of the receptacle ID is not 29 or when the first 20 characters do not correspond exactly to the dispatch ID
30	No	Item insured value zero provided	<p>Error raised when an insured value of 0 SDR is provided for an item.</p> <p>The error is reported only for the first item of the message with the issue.</p>
31	No	Item final destination provided when equal to dispatch destination	<p>Error raised when the item final destination country is provided and is the same as the dispatch destination, for at least one item in the dispatch.</p> <p>Note: the rule is that the item final destination must be provided if and only if it differs from the dispatch destination country.</p> <p>The error is reported only for the first item of the message with the issue.</p>

Error code	Counted in dashboard?	Description	Explanations
32	Yes	Mismatch between item handling class and service indicator	<p>Error raised for items with a valid S10 identifier, when there is a mismatch between the item handling class and the item service indicator for at least one item in the dispatch.</p> <p>There is a mismatch when the handling class is 'R' and the service indicator does not start with 'R', or when the handling class is 'V' and the service indicator does not start with 'C' or 'V'.</p> <p>The error is reported only for the first item of the message with the issue.</p>
33	Yes	Letter format of contents information present in accounting section but not in operational section	Error raised for dispatches of mail class U (letters), when the accounting section includes format specific weight (at least one segment MEA+WTF), but the operational section does not provide any format of contents (no segment FTX+ABN).
34	Yes	Provision of both location code and name in transport details	<p>Error raised when the EDIFACT segment providing a location (LOC segment) as part of transport details includes both a location code and a location name (the standard indicates that one or the other must be provided, but not both).</p> <p>The check is performed both for the departure and arrival locations.</p>