UPU EDI compliance project

Explanatory notes: PRECON compliance

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Introduction

In the online compliance platform, The PRECON compliance report indicates, for PRECON V1.1 messages sent, the level of compliance with UPU messaging standard M10.

All compliance checks are performed 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. (it is normally the last 7 days of the month)

Screen organization

The screen is organized in different blocks of information, with a vertical logic: from more general on top to more detailed in the bottom. The different information blocks are:

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)

Each part is detailed below:

Overview of messages sent

This section provides the total of PRECON 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 an 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.

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 following information is also provided:

- When relevant, the identifier of the consignment 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.

Annex: list of errors and explanations

Error code	Severity	Counted in dash-board?	Description	Explanations
90	Critical	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	Critical	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	Minor	Yes	invalid IATA airline code	When a transport segment provides an airline code but this code is not a valid IATA code
93	Minor	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, or - when the location code source is not valid (value other than '3' or '6'). The check is made both for origin and destination. The description indicates if the problem is with the origin or destination airport.
94	Optim-ization	No	Receptacle serial number provided	The PCI segment provides the receptacle identifier (field *receptacle-ID*). The segment also contains another field: *receptacle-serial-number*, conditional. For this second field, the description indicates 'NOT TO BE USED'. The error is raised when field *receptacle-serial-number* is not empty.
95	Minor	Yes	Duplicate receptacle identifier	When the same receptacle identifier appears more than once in a PRECON message.

Error code	Severity	Counted in dash-board?	Description	Explanations
96	Major	Yes	Incomplete route	When the arrival location of the last transport segment does not match the destination EDI address of the message. Note: there are a few special cases for which transport ends in a country for delivery to the nearby country. Several such cases are already taken into account, but in case a special case appears wrongly as an error in the report, please contact the IB project team.
97	Major	Yes	Missing transport details for airmail and S.A.L.	According to the standard, for airmail and S.A.L. a number of data elements are mandatory. When these elements are not provided, this error is raised. The following data elements are checked: - Departure location: error raised if the mail category is A (airmail) and it is missing for the first flight - Departure date-time: same as above - Arrival location: error raised if the mail category is A or B and it is missing for the last flight - Arrival date-time: error raised if the mail category is A and it is missing for the last flight
98	Major	Yes	Invalid weight	PRECON may include several weights: receptacle gross weight, receptacle net weight, container weight The issue is raised when one of these weights is negative or has more than one decimal place.
99	Major	Yes	Invalid mail category	PRECON provides the consignment mail category. This issue is raised if the value provided is not valid (not in UPU code list 115).