

SIMPLE DATA ELEMENTS 621 and 618
RFI 2009-06, June 2010

REQUEST

For version 005010 and version 005050, based solely on references to the X12 Standards and/or published TR3s, what do the following code value descriptions mean:

Simple Data Element 621
I12 Data Element Implementation Pattern Match Failure

Simple Data Element 618
I6 Transaction Set Implementation Convention Not Supported

REFERENCED X12 STANDARDS

The following X12 Standards were reviewed in developing this interpretation:

X12.1 Transaction Sets
999 Implementation Acknowledgment - IK403
Code indicating the implementation error found after syntax edits of a data element

X12.6 Application Control Structure Version 005 Release 010

3.8.1 *Transaction Set Header and Trailer*
The transaction set header and trailer segments are constructed as follows:

```
<trans_set_header> ::= ST <gs> <trans_set_id>
                        <gs>
<trans_set_control_number>
                        {<gs> <ic_id_string>} <tr>

<trans_set_trailer> ::= SE <gs>
<number_of_included_segments>
                        <gs>
<trans_set_control_number>
                        <tr>

<trans_set_id> ::= <id>
<trans_set_control_number> ::= <string>
<ic_id_string> ::= <string>
<number_of_included_segments> ::= <unsigned_integer>
```

The transaction set identifier, <trans_set_id>, uniquely identifies the transaction set. This identifier is the first data element of the transaction set header segment.

The value for the transaction set control number, <trans_set_control_number>, in the header and trailer control segments must be identical for any given transaction. The value for the number of included segments, <number_of_included_segments>, is the total number of segments in the transaction set including the ST and SE segments.

The implementation convention identification string, <ic_id_string>, identifies which implementation convention is in use for the transaction set. Its value may be a reference to a

repository, or is available for trading partner definition. This identifier is the optional third data element of the transaction set header segment.

In order to provide sufficient discrimination for the acknowledgment process to operate reliably and to ensure that audit trails are unambiguous, the Transaction Set Control Number (ST02, SE02) shall be unique within a given functional group envelope (GS/GE).

FORMAL INTERPRETATION

The Simple Data Element 621 Code - I12 Data Element Implementation Pattern Match Failure references the pattern match of data as required by a TR3, for example at the discretion of a guide author a pattern such as state driver's license (e.g., State of Illinois – ANNN-NNNN-NNNN). This code expresses the syntactical analysis of the data pattern.

The Simple Data Element 618 Code - I6 Transaction Set Implementation Convention Not Supported (often referred to as an implementation guide) references the implementation convention in use for the transaction set. If the convention is not supported in the guide referenced in GS08 of the functional group in which the transaction set is contained the code is to be used to express the error.