UNDERSTANDING ELECTRONIC DATA INTERCHANGE SUPPORT SERVICES′ (EDISS) TA1 INTERCHANGE ACKNOWLEDGEMENT REPORT

Purpose: This document provides directions on how to analyze EDISS′ TA1 Interchange Acknowledgement (TA1) report.

Background: Trading Partners use the TA1 report to confirm that EDISS successfully received the interchange or transmission.

- The TA1 report notifies the Trading Partner of encountered problems in the interchange control structure.

- The TA1 report verifies the envelope structure.

- The TA1 report identifies duplicate interchanges.

Use the TA1 report with the other generated reports to have a complete understanding of how the transaction processed. A Trading Partner may dial-in to retrieve this report from their mailbox typically within an hour from the time of file transmission. View the ANSI ASC X12N Implementation Guides for the transactions adopted under the Health Insurance Portability and Accountability Act (HIPAA) at: http://www.wpc-edi.com/.

EXAMPLE 1:

The following is a sample report from a transmitted file with an error in the ISA or IEA.


```
================================================================
      1
ISA*00*      *00*      *ZZ*00824      *ZZ*[TPID]    *020125*1716*U* 00401*
      000000029*0*Q*
   2          A          B      C      D    E
TA1*012771449*011004*1449*R*020

   3
IEA*0*000000029

================================================================
```

1. The ISA (Interchange Control Header) segment starts and identifies an interchange of zero or more functional groups and interchange-related control segments.

2. The TA1 segment acknowledges the receipt and or syntactical correctness of an X12 interchange header and trailer (ISA/IEA) pair. The segment consists of five separate elements:

   A. Interchange Control Number of submitted file.

   B. Interchange Date (formatted as YYMMDD)

C. Interchange Time (Military time formatted as HHMM)
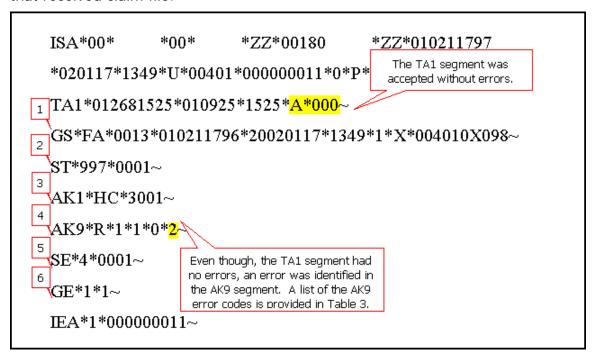
D. Interchange Acknowledgement Code:

Code	Description
A	Interchange accepted with no errors.
R	Interchange rejected because of errors. Sender must resubmit file.
E	Interchange accepted, but errors are noted. Sender must **not** resubmit file.

E. Interchange Note Code; see Table 2 for the complete list of codes.

3. The IEA (Interchange Control Trailer) segment defines the end of an interchange of zero or more functional groups and interchange-related control segments.

EXAMPLE 2:

In addition to the ISA, TA1, and IEA segments, a TA1 report contains the GS, GE, ST, SE, AK1, and AK9 segments in cases when an error is presenting the Functional Group Header/Trailer (GS/GE) segments of the received claim file. In the following example, these segments are present due to an error.

Note: the TA1 report displays the TA1 segment because the ISA14 element in the received claim file contained a "1." If the ISA14 element had contained a "0" in the received claim file, the TA1 segment would not display within the TA1 response due to an error-free Interchange Control Header/Trailer (ISA/IEA) in that received claim file.


```
ISA*00*        *00*       *ZZ*00180        *ZZ*010211797
*020117*1349*U*00401*000000011*0*P*
1  TA1*012681525*010925*1525*A*000~
2  GS*FA*0013*010211796*20020117*1349*1*X*004010X098~
   ST*997*0001~
3  AK1*HC*3001~
4  AK9*R*1*1*0*2~
5  SE*4*0001~
6  GE*1*1~
   IEA*1*000000011~
```

The TA1 segment was accepted without errors.

Even though, the TA1 segment had no errors, an error was identified in the AK9 segment. A list of the AK9 error codes is provided in Table 3.

1. The GS segment (Functional Group Header) indicates the beginning of a functional group and provides control information.

2. The ST segment (Transaction Set Header) indicates the start of a transaction set and assigns a control number.

3. The AK1 segment (Functional Group Response Header) responds to the functional group header and to start the acknowledgment for a functional group. There will be one AK1 segment for each functional group acknowledged.

4. The AK9 segment (Functional Group Response Trailer):

   - Acknowledges acceptance or rejection of a functional group
   - Reports the number of included transaction sets from the original trailer
   - Reports the number of the accepted sets
   - Reports the number of received sets
   - Shows the syntax error code, Table 3 provides a list of the AK9 error codes.

5. The SE segment (Transaction Set Trailer) indicates the end of the transaction set and provides the count of the transmitted segments, including the beginning (ST) and ending (SE) segments.

6. The GE segment (Functional Group Trailer) indicates the end of the functional group and provides control information.

TABLE 1: TA1 REPORT GENERATION MATRIX

Received ANSI X12 claim transaction	ISA14 = "0"	ISA14 = "1"
Error(s) in Interchange Control Header/Trailer (ISA/IEA)	ISA, TA1, IEA	ISA, TA1, IEA
Error(s) in Functional Group Header/Trailer (GS/GE)	ISA, GS, AK1, AK9, GE, IEA	ISA, TA1, GS, AK1, AK9, GE, IEA
No errors in envelope segments but errors elsewhere in transaction file	Not generated	ISA, TA1, IEA

| **No errors in transaction file** | Not generated | Not generated |

The above matrix shows when EDISS front-end system generates a TA1 report and the segment that includes the acknowledgment(s). The matrix uses a cross-reference between the received claim file's ISA14 element and the errors or lack of errors identified in that transaction file to show the resulting generated acknowledgment(s).

TABLE 2: TA1 ERRORS

000	No error
001	The Interchange Control Number in the header and trailer do not match. Use the value from the header in the acknowledgment.
002	This Standard as noted in the Control Standards Identifier is not supported.
003	This Version of the controls is not supported
004	The Segment Terminator is invalid
005	Invalid Interchange ID Qualifier for sender
006	Invalid Interchange Sender ID
007	Invalid Interchange ID Qualifier for receiver
008	Invalid Interchange Receiver ID
009	Unknown Interchange Receiver ID
010	Invalid Authorization Information Qualifier value
011	Invalid Authorization Information value
012	Invalid Security Information Qualifier value
013	Invalid Security Information value
014	Invalid Interchange Date value
015	Invalid Interchange Time value
016	Invalid Interchange Standards Identifier value
017	Invalid Interchange Version ID value
018	Invalid Interchange Control Number
019	Invalid Acknowledgment Requested value
020	Invalid Test Indicator value
021	Invalid Number of Included Group value
022	Invalid control structure
023	Improper (Premature) end-of-file (Transmission)

024	Invalid Interchange Content (e.g., invalid GS Segment)
025	Duplicate Interchange Control Number
026	Invalid Data Element Separator
027	Invalid Component Element Separator
028	Invalid delivery date in Deferred Delivery Request
029	Invalid delivery time in Deferred Delivery Request
030	Invalid delivery time Code in Deferred Delivery Request
031	Invalid grade of Service Code

TABLE 3: AK9 ERRORS

1	Functional Group not supported
2	Functional Group Version not supported
3	Functional Group Trailer missing
4	Group Control Number in the Functional Group Header and Trailer do not agree
5	Number of included Transaction Sets does not match actual count
6	Group Control Number violates syntax
10	Authentication Key Name unknown
11	Encryption Key Name unknown
12	Requested Service (Authentication or Encryption) not available
13	Unknown Security Recipient
14	Unknown Security Originator
15	Syntax Error in Decrypted Text
16	Security not supported
17	Incorrect Message Length (Encryption Only)
18	Message Authentication Code failed
23	S3E Security End Segment Missing for S3E Security Start Segment
24	S3S Security Start Segment Missing for S3E End Segment
25	S4E Security End Segment Missing for S4S Security Start Segment
26	S4S Security Start Segment Missing for S4E Security End Segment