APPENDIX D - Adjunct Transaction Sets

Each transaction set in Section VI of this guide has the associated adjunct transaction sets attached to it for easier handling. Transaction set 997 may be used in conjunction with multiple transaction sets and is described below.

Transaction Set 997

Transaction set (TS) 997 - Functional Acknowledgment (FA) - is sent by the receiver of a transmission to the sender to provide a positive acknowledgment that the contents of the transmission has been received. The TS 997 reports correctness or errors of the syntax which is based on the ANSI ASC X12 syntax rules as documented in the TS 997 standard.

The FA is required for each functional group transmitted. The FA transition set can provide increasing levels of detail (e.g., functional group, transaction set, data segment, or data element). The level of detail is mutually determined by the trading partners.

The FA provides an indication that all transactions transmitted were received and, if transaction set construction errors exist, to identify the segment and reject elements. Errors include:

- Incorrect data type;
- Missing required information;
- Unrecognized ID code;
- Unrecognized segment identifier;
- Incorrect segment codes;
- Incorrect control codes; and
- Incorrect numbers.

The TS 997 is a Draft Standard for Trial Use (DSTU). It should be a standard inclusion in any translation software package.

The examples on the following pages illustrate how to read a TS 997. For a more detailed or specific explanation you should contact the EDI Help desk at

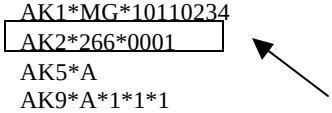
1-800-HUD-4EDI (1-800-483-4334).

Example:

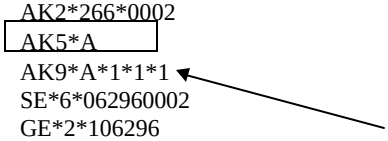
ISA*00* *00* *ZZ*SENDER *ZZ*RECEIVER *980204*09 22*U*00300*000106296*0*P*:
GS*FA*RECEIVER *SENDER *0922*106296*X*003020
ST*997*062960001
AK1*MG*10110234
AK2*266*0001
AK5*A
AK9*A*1*1*1
SE*6*062960001
ST*997*062960002
AK1*MG*10110235
AK2*266*0002
AK5*A
AK9*A*1*1*1
SE*6*062960002
GE*2*106296
IEA*1*000106296

The AK2 and AK5 segments acknowledge at the Transaction Set Level:

ISA*00* *00* *ZZ*SENDER *ZZ*RECEIVER *980204*09 22*U*00300*000106296*0*P*:
GS*FA*RECEIVER *SENDER *0922*106296*X*003020
ST*997*062960001
AK1*MG*10110234
AK2*266*0001
AK5*A
AK9*A*1*1*1
SE*6*062960001
ST*997*062960002
AK1*MG*10110235
AK2*266*0002
AK5*A
AK9*A*1*1*1
SE*6*062960002
GE*2*106296
IEA*1*000106296



Confirms receipt of a transaction set 266 with ST control number 0001.



Indicates that the transaction set was **A**ccepted.

The AK1 and AK9 segments provide acknowledgment at the Functional Group Level:

```
ISA*00*       *00*       *ZZ*SENDER       *ZZ*RECEIVER       *980204*09 22*U*00300*000106296*0*P*:
GS*FA*RECEIVER *SENDER *0922*106296*X*003020
ST*997*062960001
AK1*MG*10110234
AK2*266*0001
AK5*A
AK9*A*1*1*1
SE*6*062960001
ST*997*062960002
AK1*MG*10110235
AK2*266*0002
AK5*A
AK9*A*1*1*1
SE*6*062960002
GE*2*106296
IEA*1*000106296
```

Acknowledges receipt of the MRC/T (MG) Functional Group with control number 10110234.

Confirms that the Functional Group was **A**ccepted.
One transaction set was expected and one was received.
Of the received transaction sets, one was accepted.

When a file contains errors, two additional levels of information are provided:

AK3 - Data segment information
AK4 - Data element information

```
ISA*00*       *00*       *ZZ*SENDER       *ZZ*RECEIVER       *980204*0922*U*00300*000106296*0*P*:
GS*FA*RECEIVER*SENDER*980204*0922*106296*X*003020
ST*997*104540001
AK1*MG*106268
AK2*266*3034001
AK3*N4*19750
AK4*1**5*Y
AK3*N4*23286
AK4*1**5*Y
AK3*N4*23710
AK4*1**5*Y
AK3*N4*25810
AK4*1**5*Y
AK5*R*5
AK9*R*1*1*1
SE*14*104540001
GE*1*106296
IEA*1*000106296
```

Rejected data segment with the line number (from transalted X12 format).
In this example, the N4 segment in line numbers 19750, 23286, 23710, and 25810 caused the transaction to reject.

The first data element caused the reject. The error data was the letter "Y"
ID value of 5 indicates that the segment error were detected.

The "R" indicates the transaction was rejected. HUD will not receive the data.