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# 997 - Functional Acknowledgement

**FUNCTIONAL GROUP: FA**

THIS DRAFT STANDARD FOR TRIAL USE CONTAINS THE FORMAT AND ESTABLISHES THE DATA CONTENTS OF THE FUNCTIONAL ACKNOWLEDGMENT TRANSACTION SET (997) FOR USE WITHIN THE CONTEXT OF AN ELECTRONIC DATA INTERCHANGE (EDI) ENVIRONMENT. THE TRANSACTION SET CAN BE USED TO DEFINE THE CONTROL STRUCTURES FOR A SET OF ACKNOWLEDGMENTS TO INDICATE THE RESULTS OF THE SYNTACTICAL ANALYSIS OF THE ELECTRONICALLY ENCODED DOCUMENTS. THE ENCODED DOCUMENTS ARE THE TRANSACTION SETS, WHICH ARE GROUPED IN FUNCTIONAL GROUPS, USED IN DEFINING TRANSACTIONS FOR BUSINESS DATA INTERCHANGE. THIS STANDARD DOES NOT COVER THE SEMANTIC MEANING OF THE INFORMATION ENCODED IN THE TRANSACTION SETS.

### CONTROL

|  |  |  |  |  |
|---|---|---|---|---|
|  | ISA | INTERCHANGE CONTROL HEADER | MANDATORY | 1 |
|  | GS | FUNCTIONAL GROUP HEADER | MANDATORY | 1 |

### HEADING - TABLE 1

|  |  |  |  |  |
|---|---|---|---|---|
| 010 | ST | TRANSACTION SET HEADER | MANDATORY | 1 |
| 020 | AK1 | FUNCTIONAL GROUP RESPONSE HEADER | MANDATORY | 1 |
| 070 | AK9 | FUNCTIONAL GROUP RESPONSE TRAILER | MANDATORY | 1 |
| 030 | SE | TRANSACTION SET TRAILER | MANDATORY | 1 |

### CONTROL

|  |  |  |  |  |
|---|---|---|---|---|
|  | GE | GROUP CONTROL TRAILER | MANDATORY | 1 |
|  | IEA | INTERCHANGE CONTROL TRAILER | MANDATORY | 1 |

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## ISA – TRANSMISSION CONTROL HEADER

**POSITION:**
**LOOP:**
**LEVEL:** **CONTROL**
**USAGE:** **MANDATORY**
**MAX USE:** **1**
**PURPOSE:** **TO START AND IDENTIFY AN INTERCHANGE OF ZERO OR MORE FUNCTIONAL GROUPS AND INTERCHANGE RELATED CONTROL SEGMENTS.**

### DATA ELEMENT SUMMARY

| REF DES | ElemID | ELEMENT NAME | ATTRIBUTES | | | DESCRIPTION |
|---------|--------|--------------|------|----|------|-------------|
| ISA01 | I01 | AUTHORIZATION INFORMATION QUAL | M | ID | 2/2 | "00" |
| ISA02 | I02 | AUTHORIZATION INFORMATION ID | M | AN | 10/10 | |
| ISA03 | I03 | SECURITY QUALIFIER | M | ID | 2/2 | "00" |
| ISA04 | I04 | SECURITY INFORMATION | M | AN | 10/10 | |
| ISA05 | I05 | INTERCHANGE SEND QUALIFIER | M | ID | 2/2 | Send Qualifier |
| ISA06 | I06 | INTERCHANGE SEND ID | M | ID | 15/15 | Send ID |
| ISA07 | I05 | INTERCHANGE RECEIVER QUALIFIER | M | ID | 2/2 | Receiver Qualifier |
| ISA08 | I07 | INTERCHANGE RECEIVER ID | M | ID | 15/15 | Receiver ID |
| ISA09 | I08 | INTERCHANGE DATE | M | DT | 6/6 | Date of Interchange (YYMMDD) |
| ISA10 | I09 | INTERCHANGE TIME | M | TM | 4/4 | Time of Interchange (HHMM) |
| ISA11 | I10 | INTERCHANGE STANDARD ID | M | ID | 1/1 | "U" |
| ISA12 | I11 | INTERCHANGE VERSION ID | M | ID | 5/5 | "00400" |
| ISA13 | I12 | INTERCHANGE CONTROL NO. | M | N0 | 9/9 | Number assigned by sender |
| ISA14 | I13 | ACKNOWLEDGEMENT REQUESTED | M | ID | 1/1 | "1" |
| ISA15 | I14 | USAGE INDICATOR | M | ID | 1/1 | Test = "T";  Production = "P"; |
| ISA16 | I15 | SUBELEMENT SEPARATOR | M | ID | 1/1 | " > " |

***EXAMPLE:***

**TRU SENDING FA**:   ISA*00*      *00*      *12*TP ID       *12*6063711145      *000908*1923*U*00400*000000316*1*P*>

**TRU RECEIVING FA**: ISA*00*       *00*      *12*6063711145   *12*TP ID        *000908*1923*U*004200*000000316*1*P*>

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## GS — FUNCTIONAL GROUP HEADER

**POSITION:**
**LOOP:**
**LEVEL:** **CONTROL**
**USAGE:** **MANDATORY**
**MAX USE:** **1**
**PURPOSE:** **TO INDICATE THE BEGINNING OF A FUNCTIONAL GROUP AND TO PROVIDE CONTROL INFORMATION.**

### DATA ELEMENT SUMMARY

| REF DES | ElemID | ELEMENT NAME | ATTRIBUTES | | | DESCRIPTION |
|---------|--------|--------------|---|----|------|-------------|
| GS01 | 479 | FUNCTIONAL GROUP ID | M | ID | 2/2 | "FA" |
| GS02 | 142 | APPLICATION SENDER'S CODE | M | ID | 02/12 | CODE IDENTIFYING PARTY RECEIVING TRANS. |
| GS03 | 124 | APPLICATION RECEIVER'S CODE | M | ID | 10/10 | CODE IDENTIFYING PARTY SENDING TRANS. |
| GS04 | 29 | DATA INTERCHANGE DATE | M | DT | 8/8 | DATE DATA GENERATED |
| GS05 | 30 | DATA INTERCHANGE TIME | M | DT | 4/4 | TIME DATA GENERATED |
| GS06 | 28 | TRANSMISSION CONTROL NUMBER | M | N0 | 5/9 | WILL START WITH "1", INCREMENTING BY "1" FOR SUCCESSIVE BATCHES TO "99999' THEN RESETTING TO "1". |
| GS07 | 455 | RESPONSIBLE AGENCY CODE | M | ID | 1/1 | "X" |
| GS08 | 480 | VERSION | M | ID | 6/6 | "004010" |

**EXAMPLE:**

**TRU SENDING FA**:    GS*FA* TP  ID *6063711145*20000908*1923*000000316*X*004010

**TRU RECEIVING FA**: GS*FA*6063711145* TP  ID *20000908*1923*000000316*X*004010

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## ST – TRANSACTION HEADER

**POSITION:**
**LOOP:**
**LEVEL:** HEADING
**USAGE:** MANDATORY
**MAX USE:** 1
**PURPOSE:** TO INDICATE THE START OF A TRANSACTION SET AND TO ASSIGN A CONTROL NUMBER.

### DATA ELEMENT SUMMARY

| REF DES | ElemID | ELEMENT NAME | ATTRIBUTES | | | DESCRIPTION |
|---------|--------|--------------|------------|----|-----|-------------|
| ST01 | 143 | TRANSACTION SET ID CODE | M | ID | 3/3 | "997" = PURCHASE ORDER |
| ST02 | 329 | TRANSACTION SET CONTROL NO. | M | AN | 4/9 | IDENTIFYING CONTROL NUMBER ASSIGNED BY THE ORIGINATOR FOR A TRANSACTION SET. |

**EXAMPLE:**

ST*997*56607203

## AK1 – FUNCTIONAL GROUP RESPONSE HEADER

**POSITION:**
**LOOP:**
**LEVEL:** **HEADING**
**USAGE:** **MANDATORY**
**MAX USE:** **1**
**PURPOSE:** **TO START ACKNOWLEDGMENT OFA FUNCTIONAL GROUP.**

### DATA ELEMENT SUMMARY

| REF DES | ElemID | ELEMENT NAME | ATTRIBUTES | | | DESCRIPTION |
|---------|--------|--------------|------------|---|---|-------------|
| AK101 | 479 | FUNCTIONAL IDENTIFIER CODE | M | ID | 2/2 | CODE IDENTIFYING A GROUP OF APPLICATION RELATED TRANSACTION SETS. REFER TO 4010 DATA ELEMENT DICTIONARY FOR ACCEPTABLE CODE VALUES. |
| AK102 | 28 | GROUP CONTROL NUMBER | M | N0 | 1/9 | ASSIGNED NUMBER ORIGINATED AND MAINTAINED BY THE SENDER. |

**EXAMPLE:**

**TRU SEND 810 FA:** AK1*IN*2033

**TRU RCV 850 FA:** AK1*PO*2389

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## AK9 – FUNCTIONAL GROUP RESPONSE TRAILER

**POSITION:**
**LOOP:**
**LEVEL:**
**USAGE:** MANDATORY
**MAX USE:** 1
**PURPOSE:** TO ACKNOWLEDGE ACCEPTANCE OR REJECTION OF A FUNCTIONAL GROUP AND REPORT THE NUMBER OF INCLUDED TRANSACTION SETS FROM THE ORIGINAL TRAILER, THE ACCEPTED SETS, AND THE RECEIVED SETS IN THIS FUNCTIONAL GROUP.

### DATA ELEMENT SUMMARY

| REF DES | ELEMID | ELEMENT NAME | ATTRIBUTES | | | DESCRIPTION |
|---------|--------|--------------|---|---|---|-------------|
| AK901 | 715 | FUNCTIONAL GROUP ACKNOWLEDGE CODE | M | ID | 1/1 | CODE INDICATING ACCEPT OR REJECT CONDTION BASED ON THE SYNTAX EDITING OF THE FUNCTIONAL GROUP.<br><br>"A" = ACCEPTED<br><br>"E" = ACCEPTED WITH ERRORS<br><br>"R" = REJECTED |
| AK902 | 97 | NUMBER OF TRANSACTION SETS INCLUDED | M | N0 | 1/6 | TOTAL NUMBER OF TRANSACTION SETS INCLUDED IN THE FUNCTIONAL GROUP OR INTERCHANGE (TRANSMISSION) GROUP TERMINATED BY THE TRAILER CONTAINING THIS DATA ELEMENT. |
| AK903 | 123 | NUMBER OF RECEIVED TRANSACTION SETS | M | N0 | 1/6 | NUMBER OF TRANSACTION SETS RECEIVED |
| AK904 | 2 | NUMBER OF ACCEPTED TRANSACTION SETS | M | N0 | 1/6 | NUMBER OF ACCEPTED TRANSACTION SETS IN A FUNCTIONAL GROUP. |

**EXAMPLE:**

AK9*A*2*2*2

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## SE – TRANSACTION SET TRAILER

**POSITION:**
**LOOP:**
**LEVEL:** SUMMARY
**USAGE:** MANDATORY
**MAX USE:** 1
**PURPOSE:** TO INDICATE THE END OF THE TRANSACTION SET AND PROVIDE THE COUNT OF THE TRNSMITTED SEGMENTS (INCLUDING THE BEGINNING (ST) AND ENDING (SE) SEGMENTS).

### DATA ELEMENT SUMMARY

| REF DES | ElemID | ELEMENT NAME | ATTRIBUTES | | | DESCRIPTION |
|---------|--------|--------------|------------|---|---|-------------|
| SE01 | 96 | NUMBER OF SEGMENTS | M | N0 | 1/6 | TOTAL NUMBER OF SEGMENTS INCLUDED IN THE TRANSACTION SET INCLUDING ST AND SE SEGMENTS. |
| SE02 | 329 | TRANSACTION SET CONTROL NUMBER | M | AN | 4/9 | IDENTIFYING CONTROL NUMBER THAT MUST BE UNIQUE WITHIN THE TRANSACTION SET FUNCTIONAL GROUP ASSIGNED BY THE ORIGINATOR FOR A TRANSACTION SET. |

**EXAMPLE:**

SE*32*56607203

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## GE – CONTROL TRAILER

**POSITION:**
**LOOP:**
**LEVEL:** CONTROL
**USAGE:** MANDATORY
**MAX USE:** 1
**PURPOSE:** TO INDICATE THE END OF A FUNCTIONAL GROUP AND TO PROVIDE CONTROL INFORMATION.

### DATA ELEMENT SUMMARY

| REF DES | ELEMID | ELEMENT NAME | ATTRIBUTES | | | DESCRIPTION |
|---------|--------|--------------|------------|---|---|-------------|
| GE01 | 97 | NUMBER OF INCLUDED SETS | M | N0 | 1/6 | |
| GE02 | 28 | DATA INTERCHANGE CONTROL NO. | M | N0 | 1/9 | |

**EXAMPLE:**

GE*1*000000316

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## IEA – TRANSMISSION CONTROL TRAILER

**POSITION:**
**LOOP:**
**LEVEL:** CONTROL
**USAGE:** MANDATORY
**MAX USE:** 1
**PURPOSE:** TO DEFINE THE END OF AN INTERCHANGE OF ZERO OR MORE FUNCTIONAL GROUPS AND INTERCHANGE RELATED CONTROL SEGMENTS.

### DATA ELEMENT SUMMARY

| REF DES | ElemID | ELEMENT NAME | ATTRIBUTES | | | DESCRIPTION |
|---------|--------|--------------|---|-----|-----|-------------|
| IEA01 | I16 | NUMBER OF INCLUDED GROUPS | M | N0 | 1/5 | |
| IEA02 | I12 | INTERCHANGE CONTROL NO. | M | N0 | 9/9 | |

**EXAMPLE:**

IEA*1*000001555

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## *EDI X12 Example*

**TRU SENDING INVOICE FA:**

ISA*00*         *00*         *12*6063711145     *00*TP ID     *00912*1923*U*00200*000000316*1*P>

GS*FA*6063711145*TP ID*20000912*0028*2033*X*004010

ST*997*20330001

AK1*IN*2225

AK9*A*2*2*2

SE*4*20330001

GE*1*2033

IEA*1*00000316


**TRU RECEIVING PO FA:**

ISA*00*         *00*         *00*TP ID *12*6063711145     *00912*1923*U*00200*000000316*1*P>

GS*FA*TP ID*6063711145*20000912*0028*2033*X*004010

ST*997*20330001

AK1*PO*908

AK9*A*1*1*1

SE*4*20330001

GE*1*2033

IEA*1*00000316