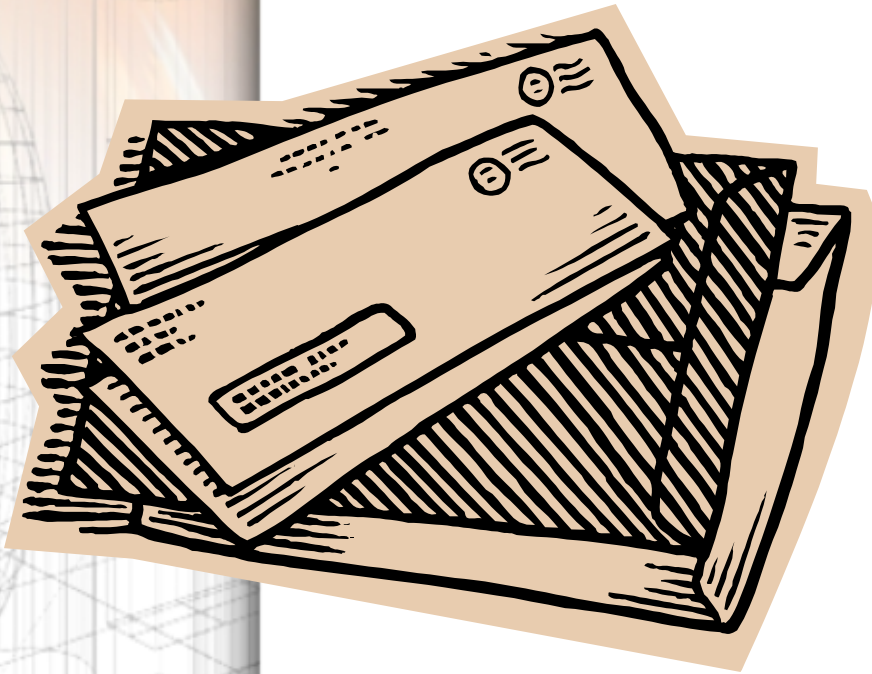


EDI Acknowledgements

**Did My Transactions Get There and
was I compliant?**



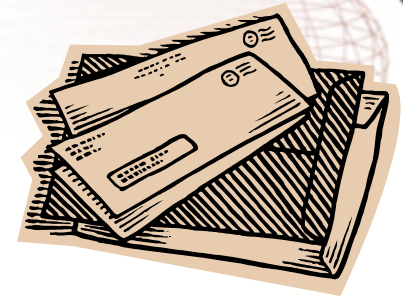
Gary Beatty

President

Phone: 507-250-3574

Email: gary@ecintegrity.com

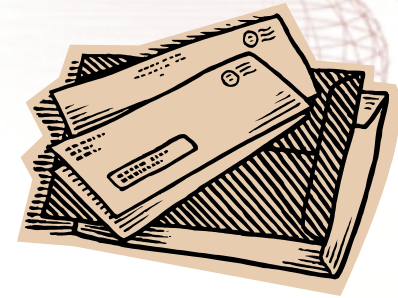
Categories of Acknowledgements



There are 5 different acknowledgements

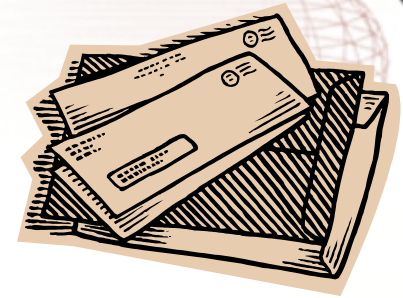
- Syntactical Acknowledgements
 - Functional Acknowledgements
 - Implementation Acknowledgements
 - Interchange Acknowledgements
 - Interchange Delivery Notice
- Application (Business) Acknowledgements
 - Application Advices
 - Health Care Claim Acknowledgements

Functional Acknowledgements



- The primary purpose of a Functional Acknowledgement is to acknowledge the receipt of one and only one Functional Group
- Negative Functional Acknowledgements are only used to report X12 syntax errors NOT implementation guide syntax errors or implementation guide compliance errors.

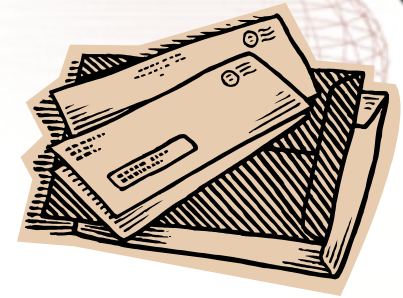
Functional Acknowledgements



When a Functional Acknowledgement is received by the submitter they know 2 things:

1. The Functional Group was received
2. The syntactical validity of the Functional Group

Functional Acknowledgements



A Functional Acknowledgement does NOT tell the submitter that the Functional Group was:

1. HIPAA Compliant
2. The business transactions were processed

Functional Acknowledgements



3 Levels of Information within Functional Acknowledgements

1. Functional Group

2. Transaction(s)

3. Details

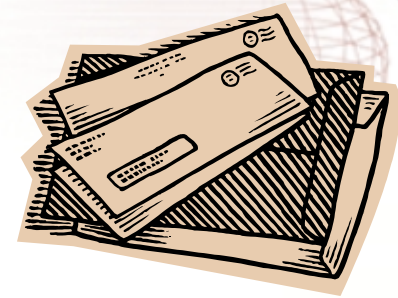
997 Functional Acknowledgment

Functional Group ID: FA

Table 1 – Header

POS#	SEQ ID	NAME	REQ. DES	MAX USE	LOOP REPEAT
010	ST	Transaction Set Header		M	1
020	AK1	Functional Group Response Header		M	1
LOOP ID – AK2					999999
030	AK2	Transaction Set Response Header		O	1
LOOP ID – AK2/AK3		999999			
040	AK3	Data Segment Note		O	1
050	AK4	Data Element Note		O	99
060	AK5	Transaction Set Response Trailer		M	1
070	AK9	Functional Group Response Trailer		M	1
080	SE	Transaction Set Trailer		M	1

Functional Acknowledgements



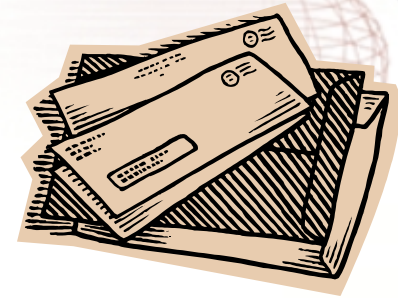
1. Functional Group

AK1 Functional Group Response

AK9 Functional Group Response Trailer

- Functional Group Control Number
- Level of Acceptance
- Transaction Set Counts
- Functional Group Syntax Errors

Functional Acknowledgements



1. Functional Group

AK1 Functional Group Response

AK9 Functional Group Response Trailer

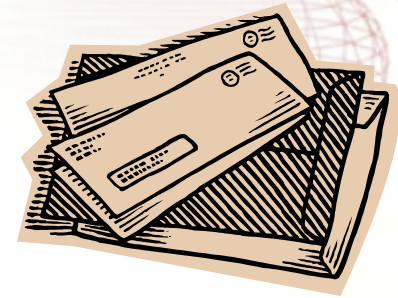
AK1 *

AK101	479
Functional ID Code	
M ID	2/2

AK102	28
Group Ctrl Number	
M NO	1/9

~

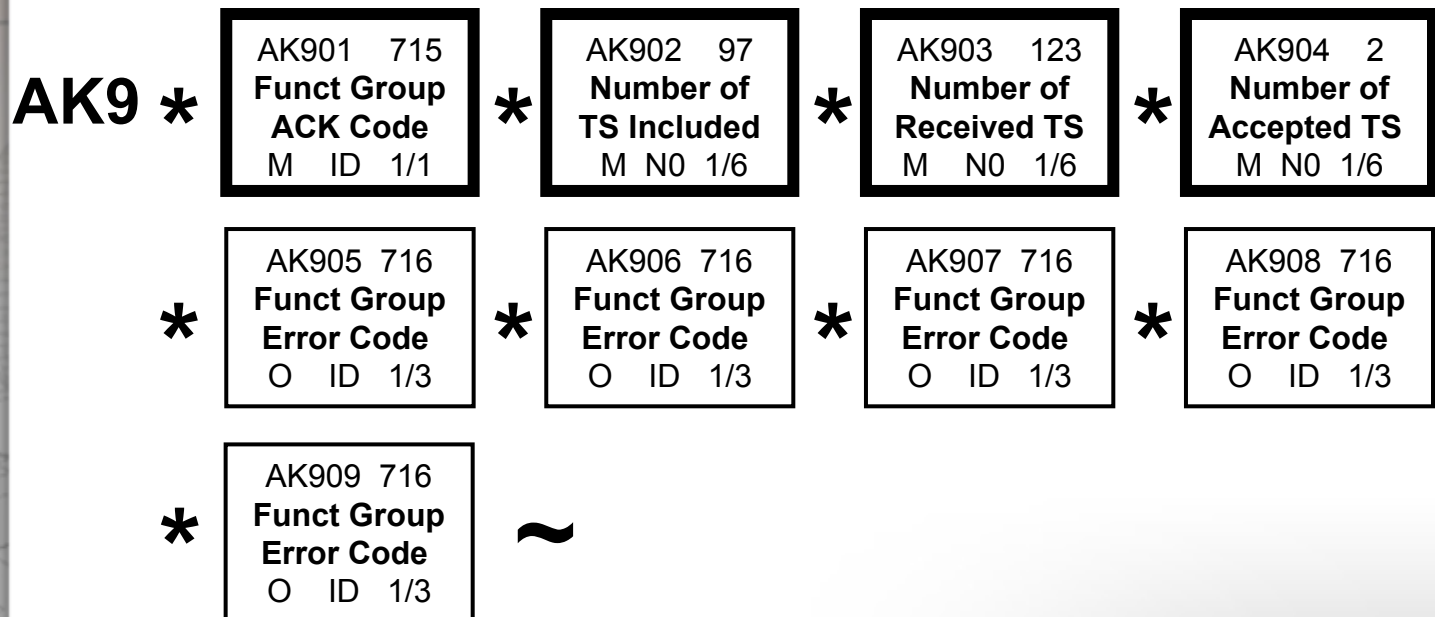
Functional Acknowledgements



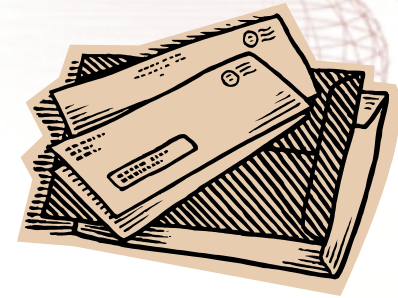
1. Functional Group

AK1 Functional Group Response

AK9 Functional Group Response Trailer



Functional Acknowledgements



1. Functional Group

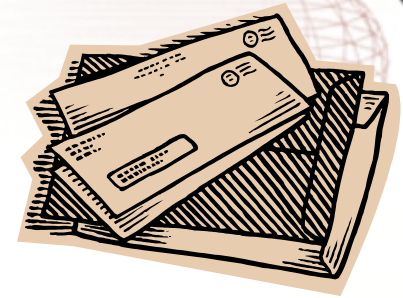
AK1 Functional Group Response

AK9 Functional Group Response Trailer

AK905 – AK909 Functional Group Syntax Errors Code(s)

- 1 – Functional Group Not Supported
- 2 – Functional Group Version Not Supported
- 3 – Functional Group Trailer Missing
- 4 – Functional Group Number in Header and Trailer do not Agree
- 5 – Number of included transaction sets does not match actual count

Functional Acknowledgements



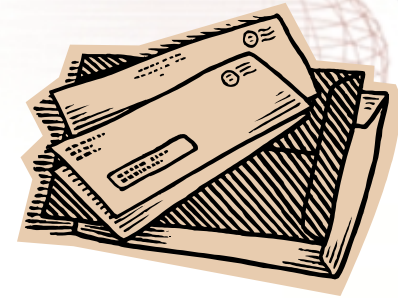
2.Transaction(s)

AK2 Transaction Set Response Header

AK5 Transaction Set Response Trailer

- Transaction Set Control Number
- Level of Acceptance
- Transaction Set Syntax Errors

Functional Acknowledgements



2.Transaction(s)

- AK2** Transaction Set Response Header
- AK5** Transaction Set Response Trailer

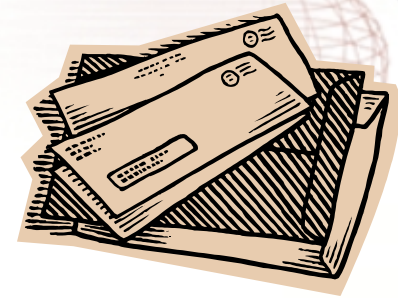
AK2 *

AK201	143
TS ID	
Code	
M	ID 3/3

AK202	329
TS Control	
Number	
M	AN 4/9

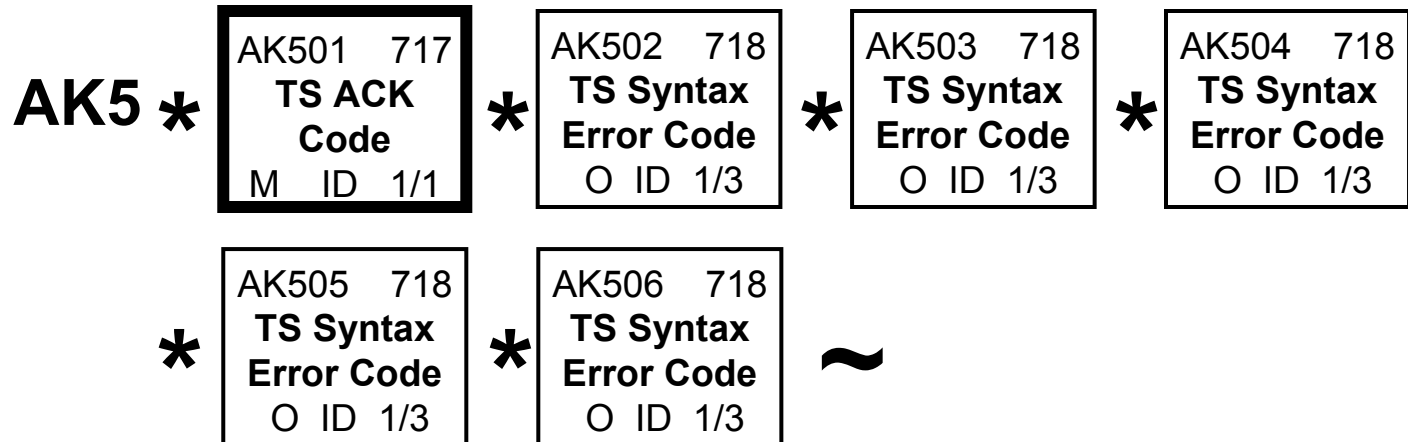
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Functional Acknowledgements

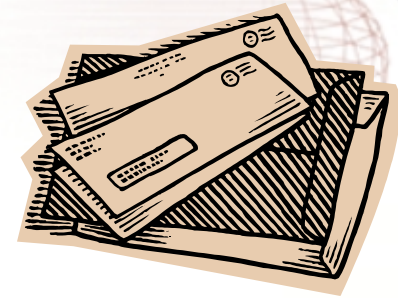


2.Transaction(s)

- AK2** Transaction Set Response Header
- AK5** Transaction Set Response Trailer



Functional Acknowledgements



2.Transaction(s)

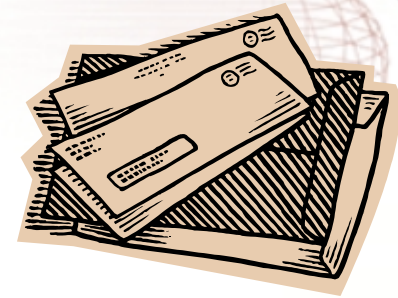
AK2 Transaction Set Response Header

AK5 Transaction Set Response Trailer

AK502 – AK505 Transaction Set Syntax Errors Code(s)

- 1 – Transaction Set Not Supported
- 2 – Transaction Set Trailer Missing
- 3 – Transaction Set Control Number in Header and Trailer Do Not Match
- 4 – Number of Included Segments Does Not Match Actual Count
- 5 – One or More Segments in Error

Functional Acknowledgements



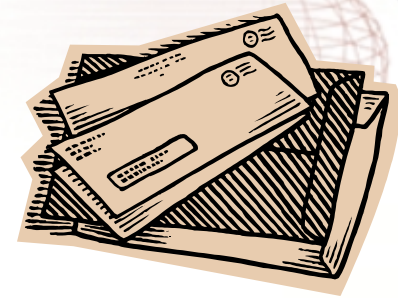
3.Details

AK3 Segment Note

AK4 Data Element Note

- AK3
 - Segment and Loop Information
 - Segment Syntax Errors
- AK4
 - Data Element Information
 - Data Element Syntax Error
 - Copy of Data Element

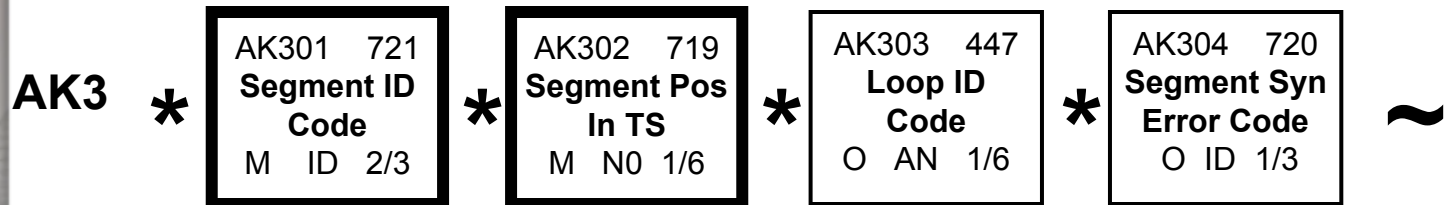
Functional Acknowledgements



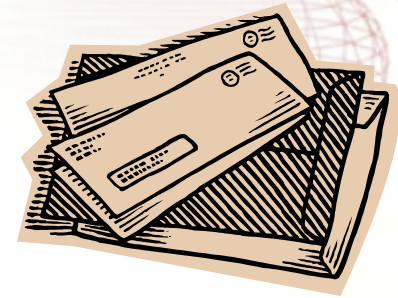
3.Details

AK3 Segment Note

AK4 Data Element Note



Functional Acknowledgements



3.Details

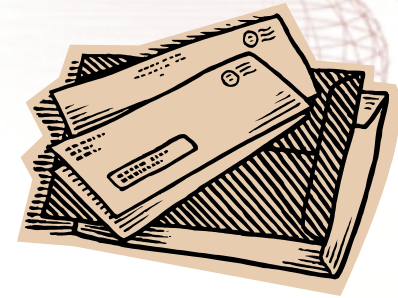
AK3 Segment Note

AK4 Data Element Note

AK304 Segment Syntax Errors Code(s)

- 1 – Unrecognized Segment ID
- 2 – Unexpected Segment
- 3 – Mandatory Segment Missing
- 4 – Loop Occurs Over Max. Times
- 5 – Segment Exceeds Max Use
- 6 – Segment Not Defined In Transaction Set
- 7 – Segment Not in Proper Sequence
- 8 – Segment Has Data Element Errors

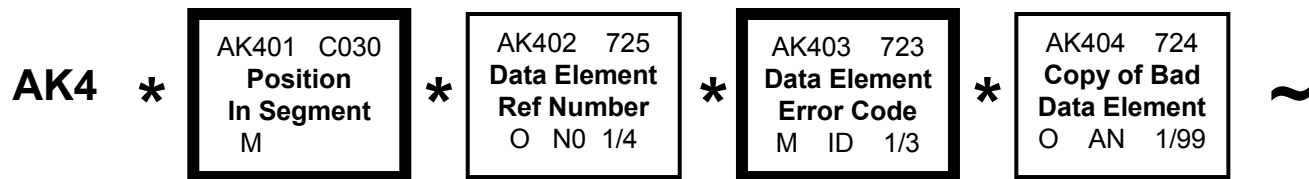
Functional Acknowledgements



3.Details

AK3 Segment Note

AK4 Data Element Note



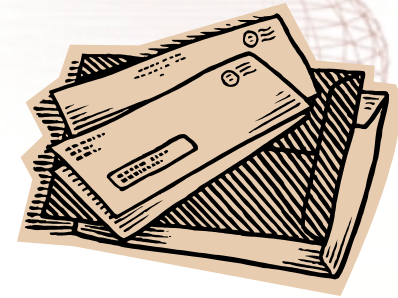
AK401-1 722 Element Position in Segment

M N0 1/2

**AK401-2 1528 Component Data Element Position
in Composite**

O N0 1/2

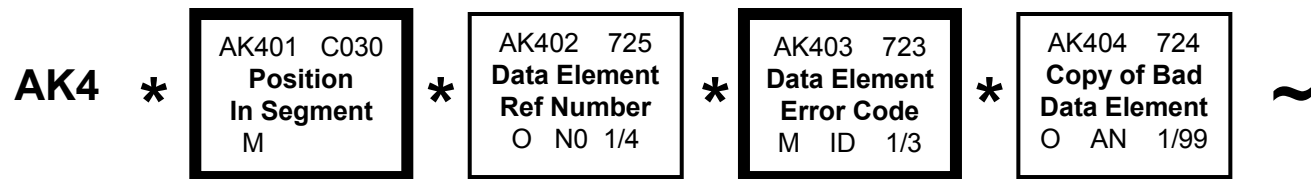
Functional Acknowledgements



3.Details

AK3 Segment Note

AK4 Data Element Note



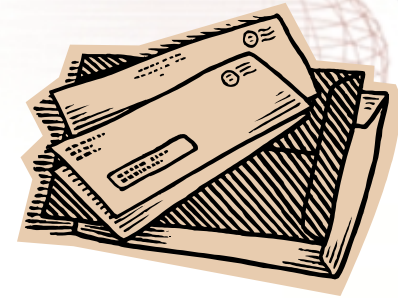
AK401-1 722 Element Position in Segment M NO 1/2

AK401-2 1528 Component Data Element Position
in Composite O NO 1/2

N1*PR*ABC INS CO*PI*ABC47~

TOO*JP*8*F:L~

Functional Acknowledgements



3.Details

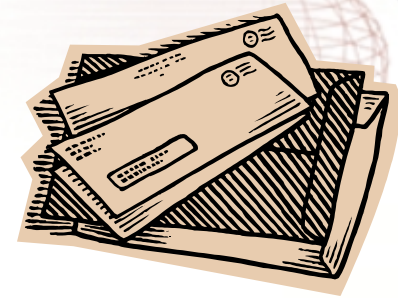
AK3 Segment Note

AK4 Data Element Note

AK403 Data Element Syntax Errors Code(s)

- 1 – Mandatory Data Element Missing
- 2 – Conditional Required Data Element Missing
- 3 – Too Many Data Elements
- 4 – Data Element Too Short
- 5 – Data Element Too Long
- 6 – Invalid Character in Data Element
- 7 – Invalid Code Value
- 8 – Invalid Date
- 9 – Invalid Time
- 10 – Exclusion Condition Violated

Functional Acknowledgements



GS*HC*PBS-DED*XYZ-RD*20011015*1630*
700000001*X*004010X098~

(1) ST*837*000000001~

(2) BHT*0019*00*0123*20011015*1630*CH~

(3) REF*87*004010X098~

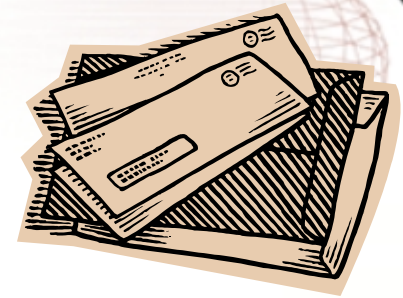
(4) NM1*41*2*PREMIER BILLING
SERVICE*****46*TGJ23~

:

(40) SE*40*000000001~

GE*1*700000001~

Functional Acknowledgements



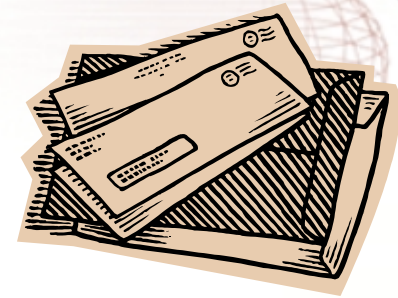
ST*997*AK0000001~

AK1*HC*700000001~

AK9*A*1*1*1~

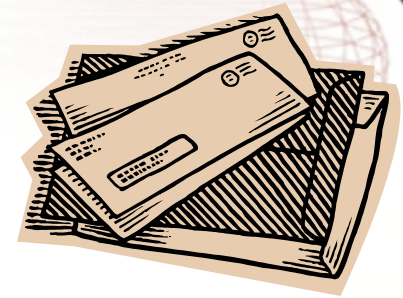
SE*4*AK0000001~

Functional Acknowledgements



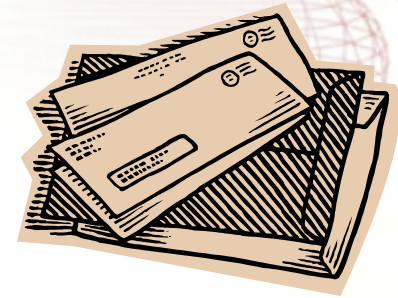
**GS*HC*PBS-DED*XYZ-RD*20011015*1630*
700000002*X*004010X098~**
(1) ST*837*000000002~
(2) BHT*0019*00*0123*20011015*1630*CH~
(3) REF*87*004010X098~
(4) NM12*PREMIER BILLING SERVICE*****46*TGJ23~**
:
(40) SE*40*000000002~
GE*2*700000002~

Functional Acknowledgements



ST*997*AK0000002~
AK1*HC*700000002~
AK2*837*000000002~
AK3*NM1*4~
AK4*1*98*1~
AK5*E~
AK9*E*2*1*1*5~
SE*8*AK0000002~

Interchange Acknowledgements



Not Transaction Sets – No GS - GE

TA1 – Interchange Acknowledgement

Interchange Control Number

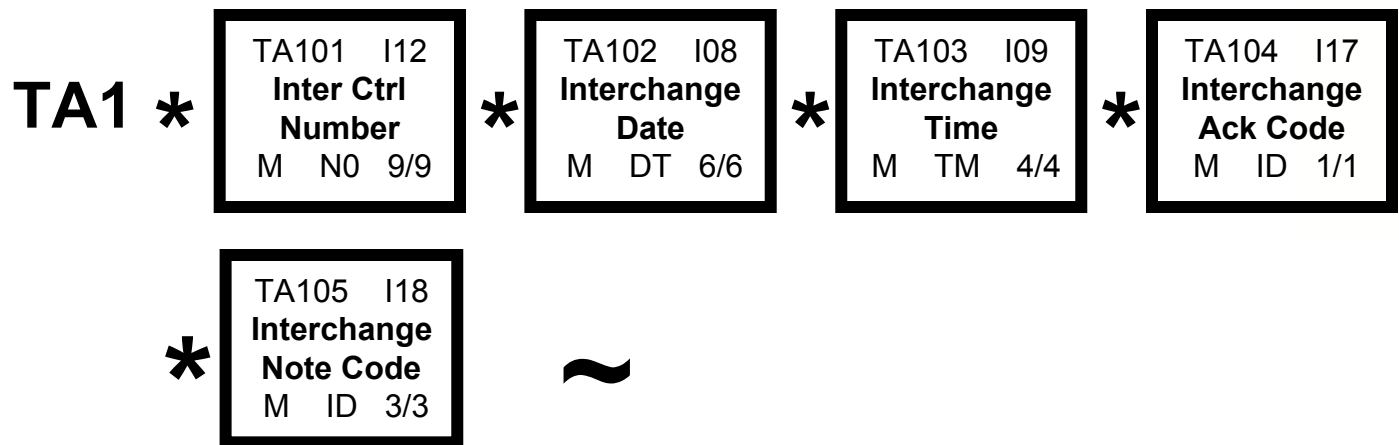
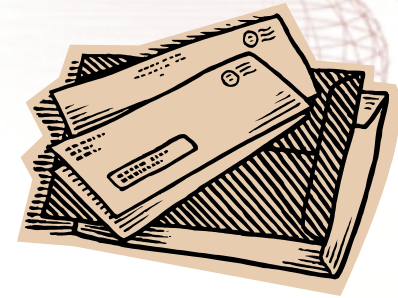
Interchange Date / Time

Interchange Acknowledgement Code

Interchange Note Code

TA3 – Interchange Delivery Notice

Interchange Acknowledgements



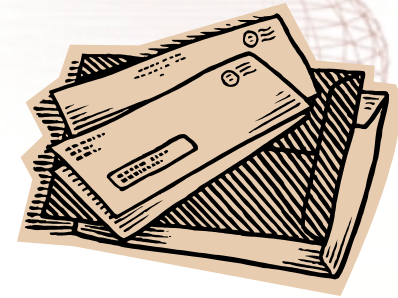
000 – No Error

003 – Version of the Control is Not Supported

006 – Invalid Interchange Sender ID

009 – Unknown Interchange Receiver ID

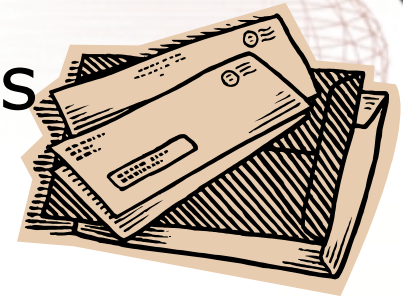
Interchange Acknowledgements



```
ISA*00*1234567890*00*1234567890*  
  30*22-1231234^^^*  
  30*33-5435433^^^*  
  010230*1262*U*00401  
  *900000003*1*P*:~  
      GS  
      GE  
IEA*1*900000003~
```

```
ISA*...  
TA1*900000003*010230*1262*E*014~  
TA1*900000003*010230*1262*E*015~  
IEA*0*900000003~
```

Implementation Acknowledgements



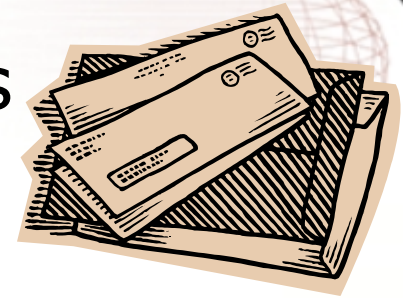
999

Used to report syntax Errors against an Implementation Guide

Subset of the 997 Functional Acknowledgement

All error reporting codes and structure identical to 997 Functional Acknowledgement

Application Acknowledgements

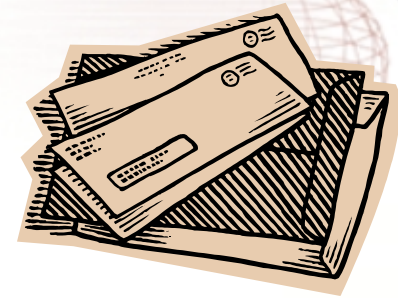


824

Report errors that cannot be reported with other acknowledgements

- Balancing errors
- Invalid External Codes
- Internal Application Errors

Health Care Payer Unsolicited Claim Status

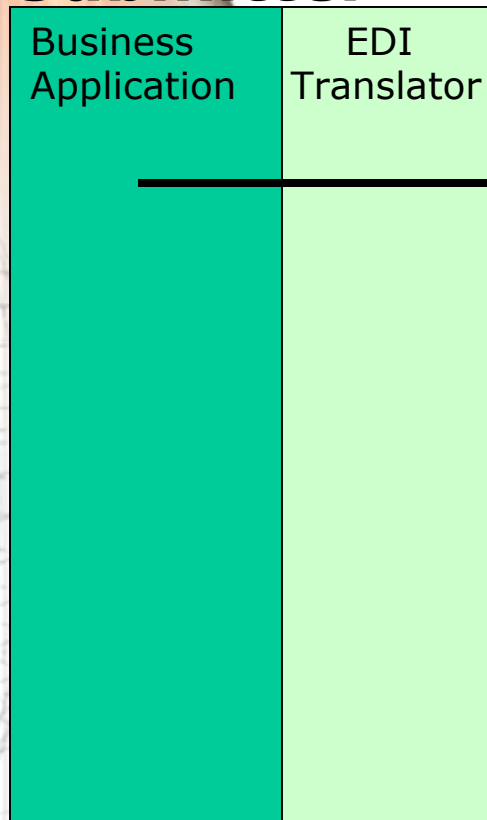


27

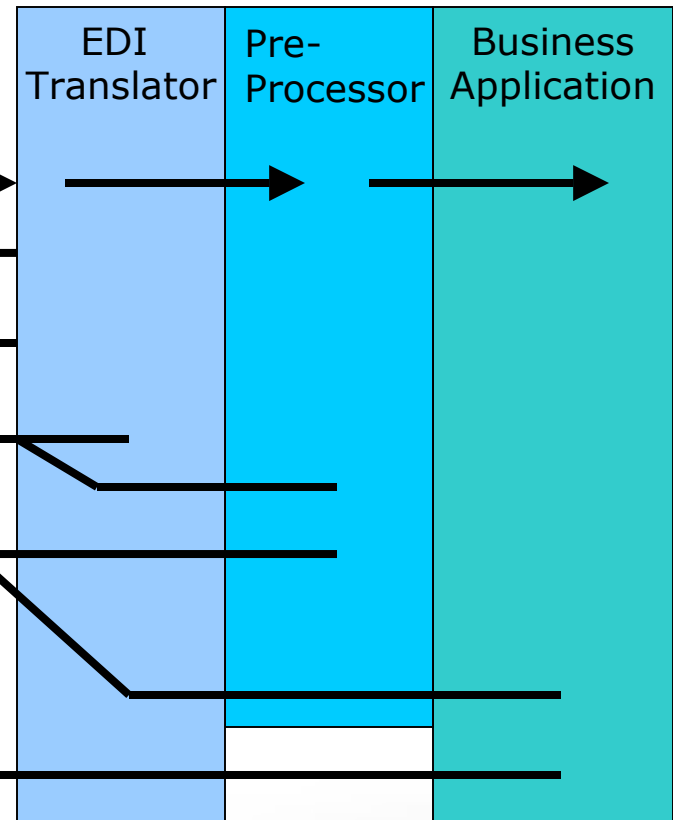
- Created by the Payer (its agent or service Bureau)
- Initiated by a payer's Claim Processing system
- Examples
 - Notification of receipt into the adjudication system
 - List of claims awaiting final adjudication
 - List of claims suspended

Acknowledgement Process

Submitter



Receiver



X12 Transaction

997

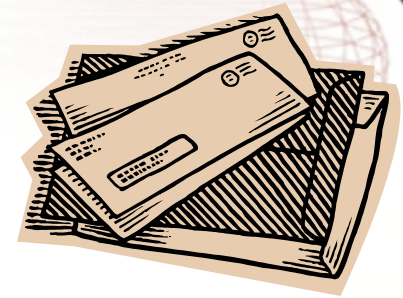
TA1

999

824

277

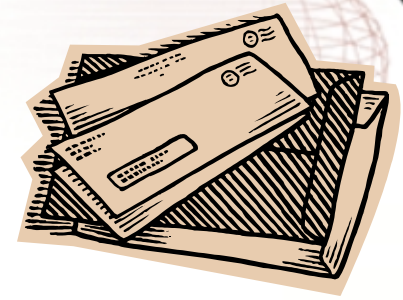
EDI Translation Software



EDI Software automates most of the Acknowledgements and construction of the EDI Envelopes

ISA
GS
ST
...
SE
GE
IEA

Trading Partner Agreements



- What to Send
- Conditions to Details
- Expected Reply Time
- Response to Non-Receipt
- Error Condition Procedures

EDI Acknowledgements

Thank You

www.ecintegrity.com
www.edipartners.com
www.x12.org
www.disa.org

