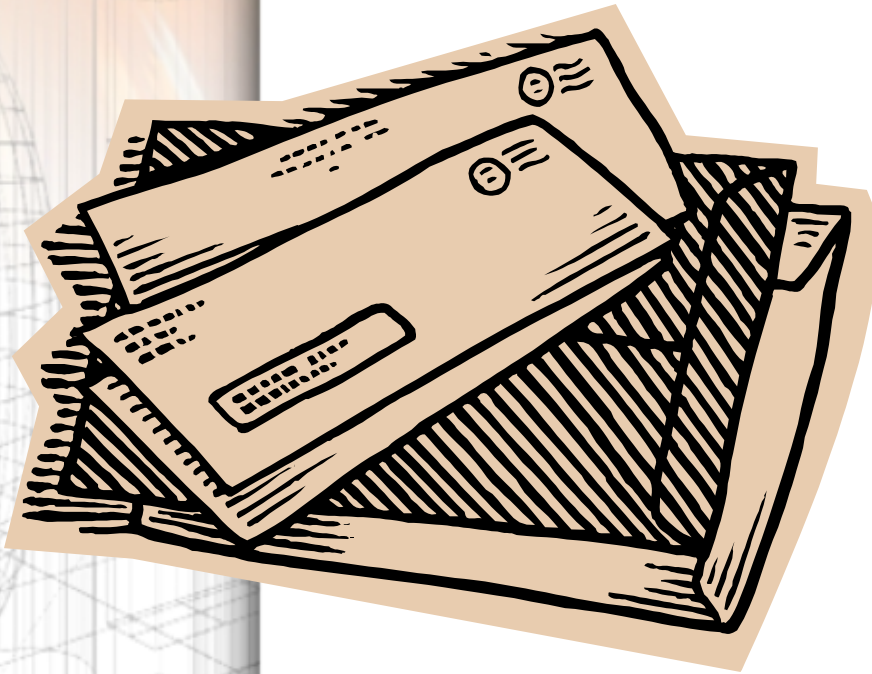


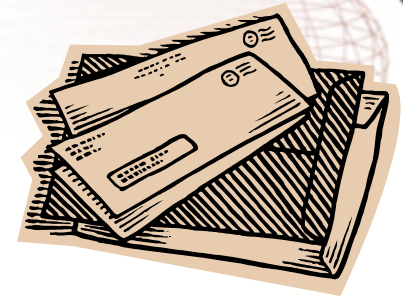
# EDI Acknowledgements

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



Gary Beatty  
President  
Phone: 507-250-3574  
Email:  
[gmb803@earthlink.net](mailto:gmb803@earthlink.net)

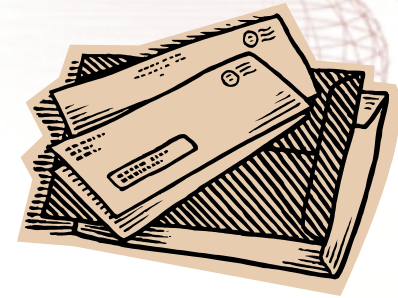
# Categories of Acknowledgements



There are 5 different acknowledgements

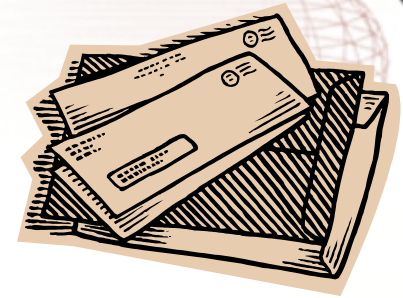
- Syntactical Acknowledgements
  - Functional Acknowledgements
  - Implementation Acknowledgements
  - Interchange Acknowledgements
  - Interchange Delivery Notice
- Application (Business) Acknowledgements
  - Application Advices
  - Health Care Claim Acknowledgements

# 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.

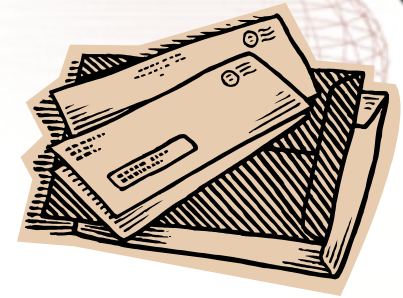
# Functional Acknowledgements



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**

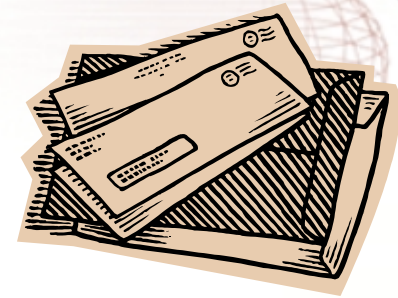
# 997 Functional Acknowledgment

Functional Group ID: FA

## Table 1 – Header

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

# Functional Acknowledgements



## 1. Functional Group

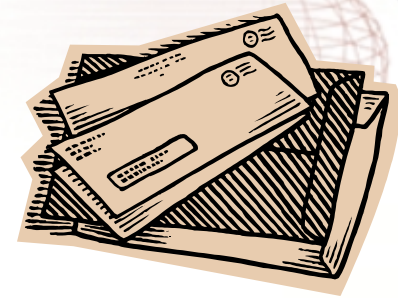
**AK1** Functional Group Response

**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 \***

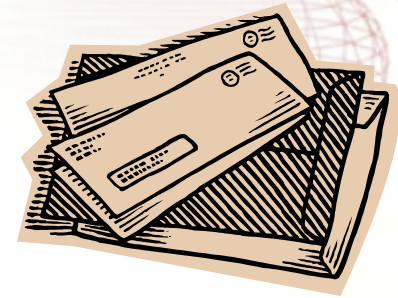
AK101	479
Functional ID Code	
M ID	2/2

**\***

AK102	28
Group Ctrl Number	
M NO	1/9

**~**

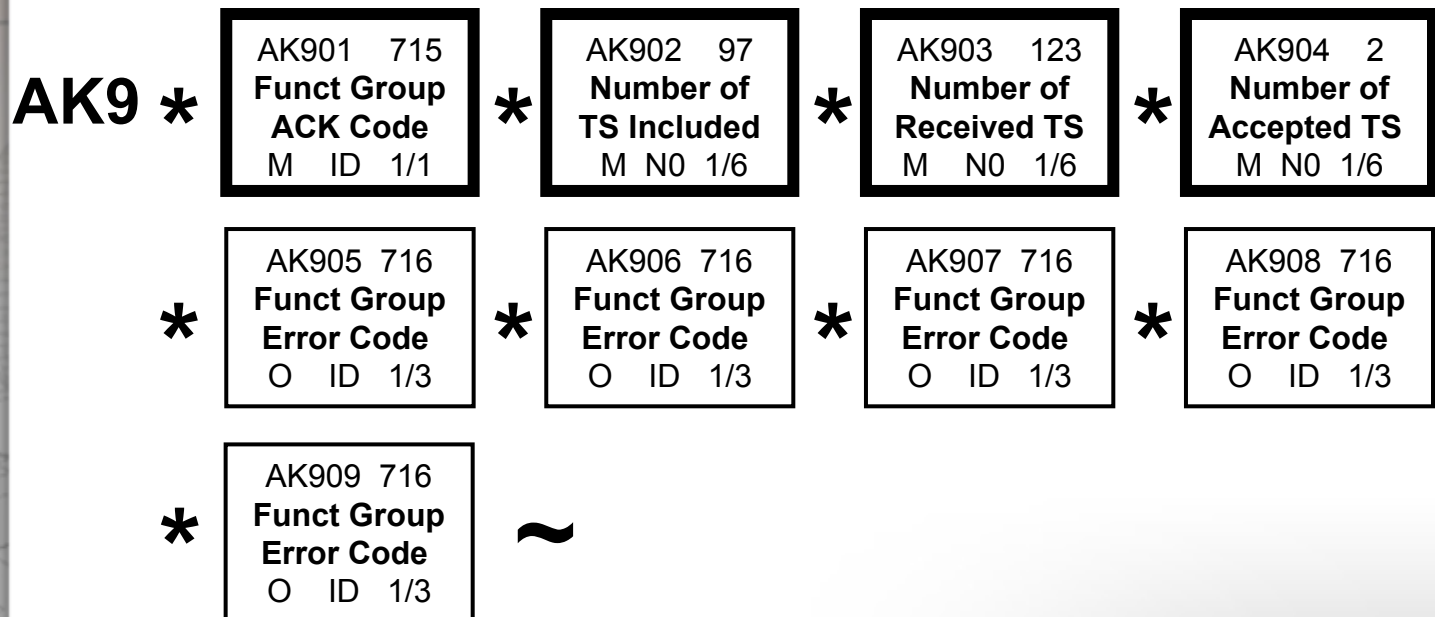
# Functional Acknowledgements



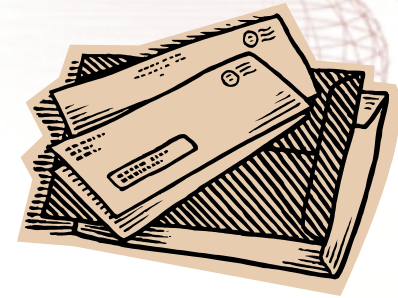
## 1. Functional Group

**AK1** Functional Group Response

**AK9** Functional Group Response Trailer



# Functional Acknowledgements



## 1. Functional Group

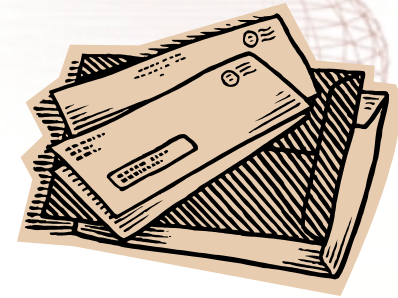
**AK1** Functional Group Response

**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



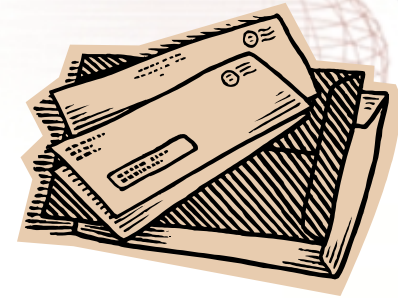
## 2.Transaction(s)

**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 \***

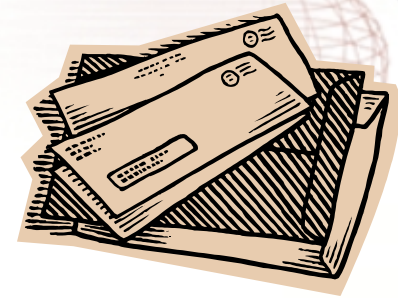
AK201	143
TS ID	Code
M	ID 3/3

**\***

AK202	329
TS Control	Number
M	AN 4/9

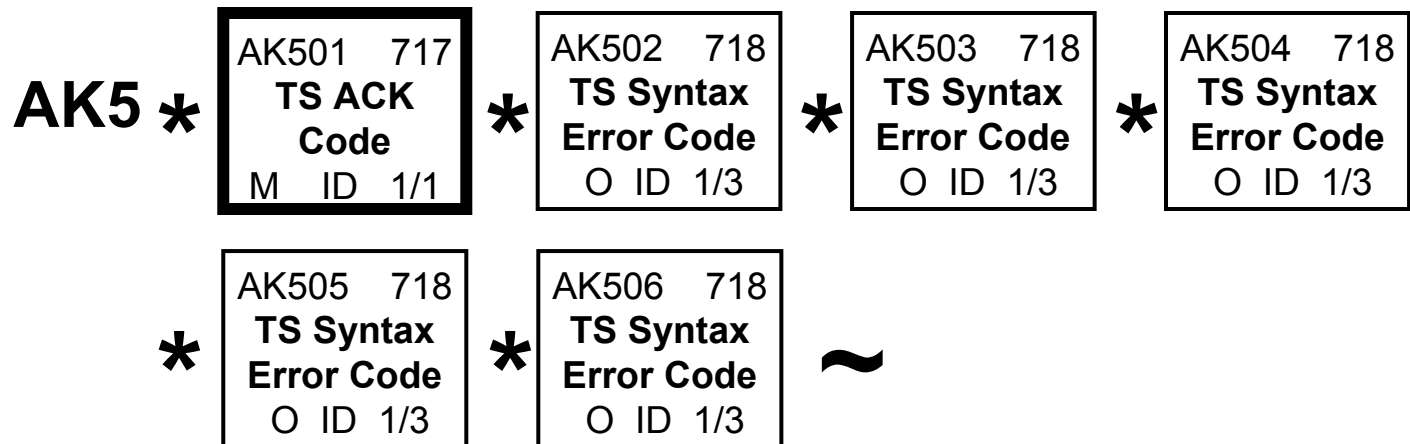
~

# Functional Acknowledgements

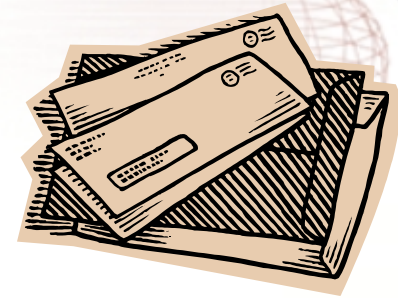


## 2.Transaction(s)

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



# Functional Acknowledgements



## 2.Transaction(s)

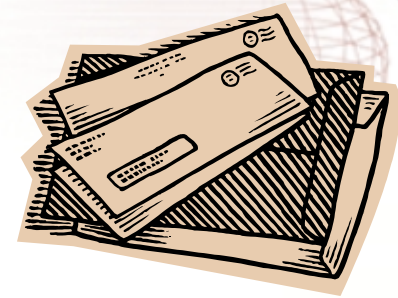
**AK2** Transaction Set Response Header

**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

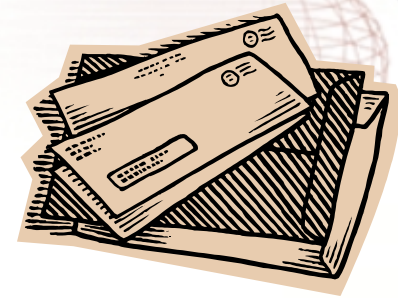
**AK3** Segment Note

**AK4** Data Element Note

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



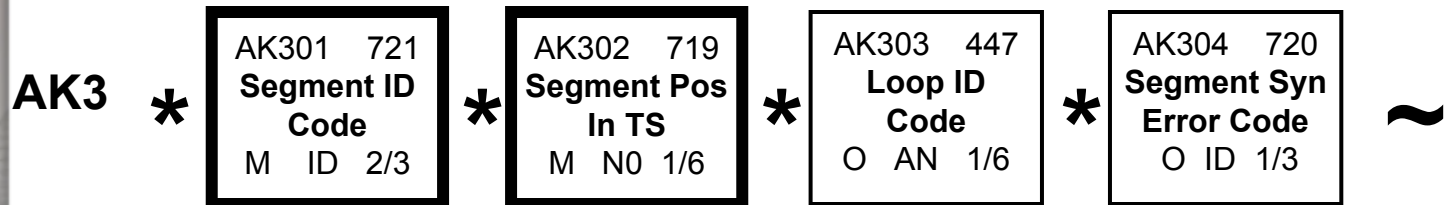
# Functional Acknowledgements



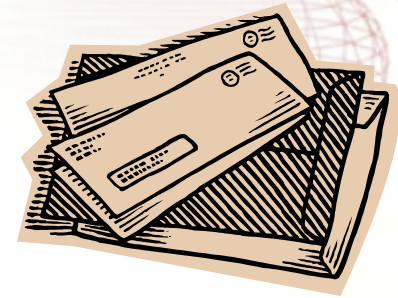
## 3.Details

**AK3** Segment Note

**AK4** Data Element Note



# Functional Acknowledgements



## 3.Details

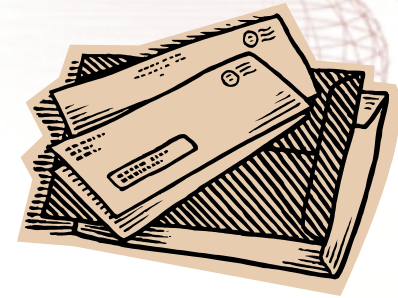
**AK3** Segment Note

**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

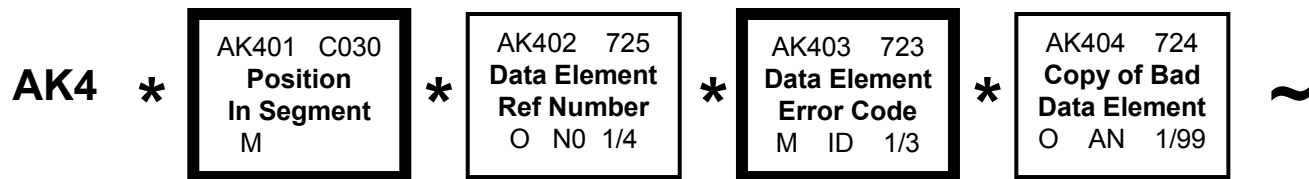
# Functional Acknowledgements



## 3.Details

**AK3** Segment Note

**AK4** Data Element Note



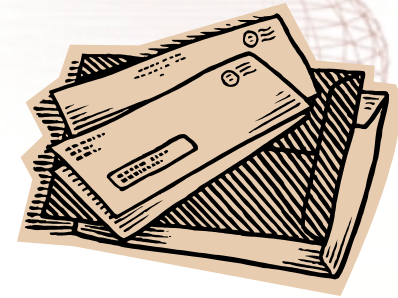
**AK401-1 722 Element Position in Segment**

**M N0 1/2**

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

**O N0 1/2**

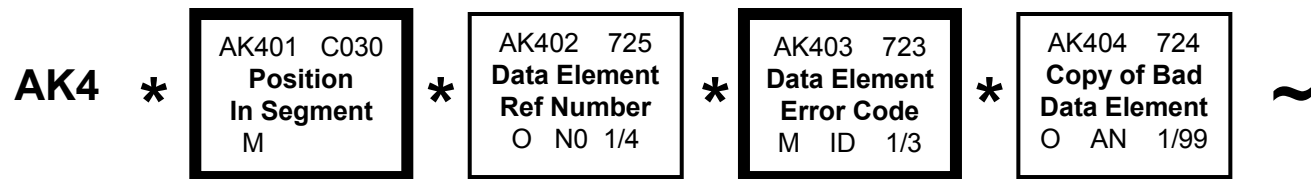
# Functional Acknowledgements



## 3.Details

**AK3** Segment Note

**AK4** Data Element Note



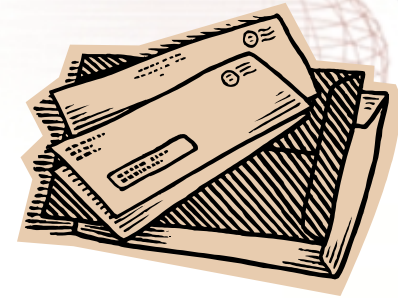
AK401-1 722 Element Position in Segment M NO 1/2

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

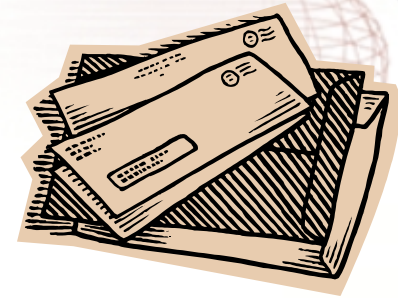
**AK3** Segment Note

**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~

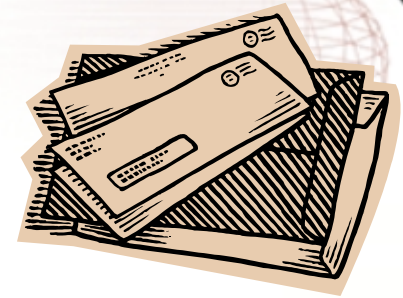
(4) NM1\*41\*2\*PREMIER BILLING  
SERVICE\*\*\*\*\*46\*TGJ23~

:

(40) SE\*40\*000000001~

GE\*1\*700000001~

# Functional Acknowledgements



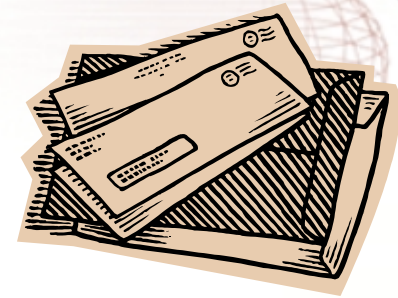
ST\*997\*AK0000001~

AK1\*HC\*700000001~

AK9\*A\*1\*1\*1~

SE\*4\*AK0000001~

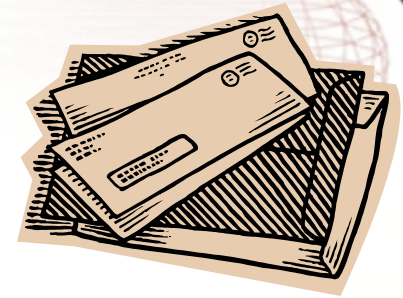
# Functional Acknowledgements



**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) NM1\*\*2\*PREMIER BILLING SERVICE\*\*\*\*\*46\*TGJ23~  
:  
(40) SE\*40\*000000002~  
GE\*2\*700000002~**

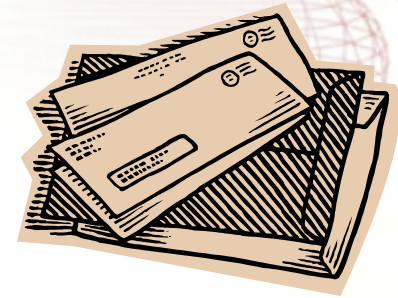


# Functional Acknowledgements



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

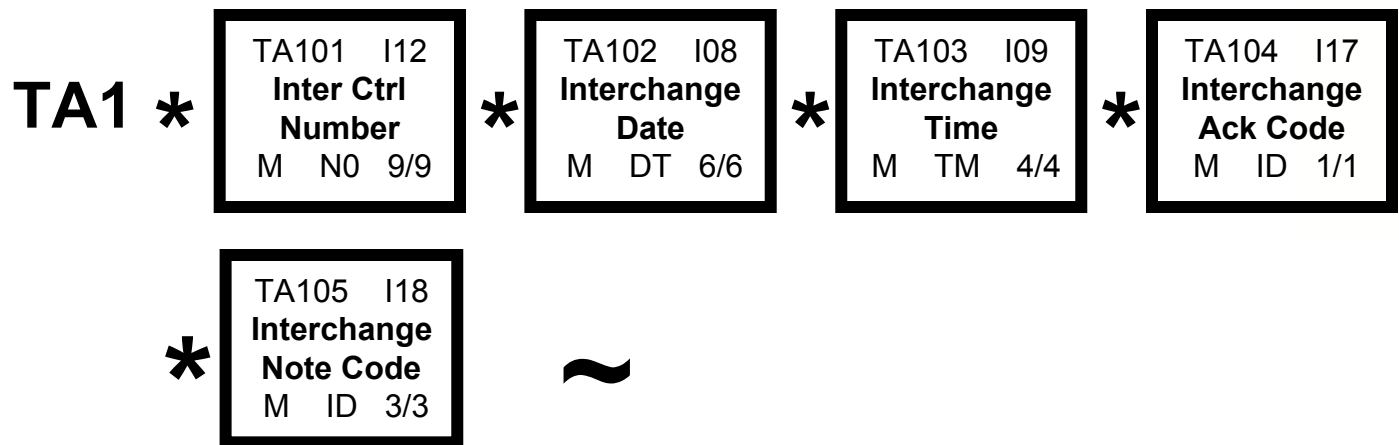
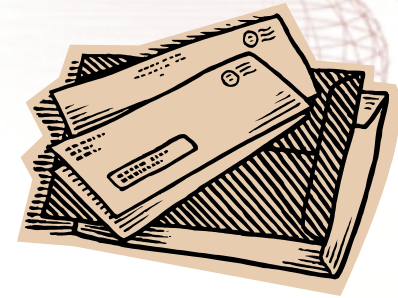
Interchange Date / Time

Interchange Acknowledgement Code

Interchange Note Code

TA3 – Interchange Delivery Notice

# Interchange Acknowledgements



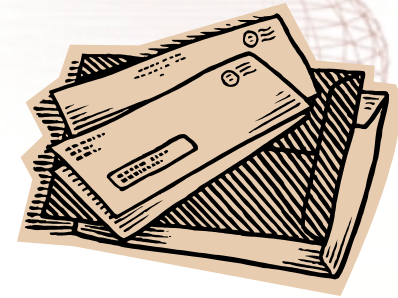
000 – No Error

003 – Version of the Control is Not Supported

006 – Invalid Interchange Sender ID

009 – Unknown Interchange Receiver ID

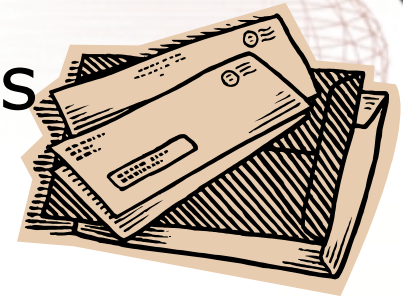
# Interchange Acknowledgements



```
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



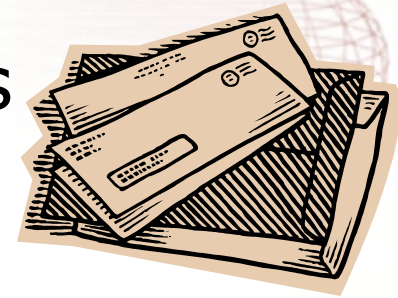
# 999

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

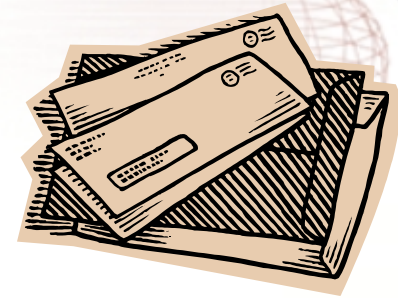


# 824

Report errors that cannot be reported with other acknowledgements

- Balancing errors
- Invalid External Codes
- Internal Application Errors

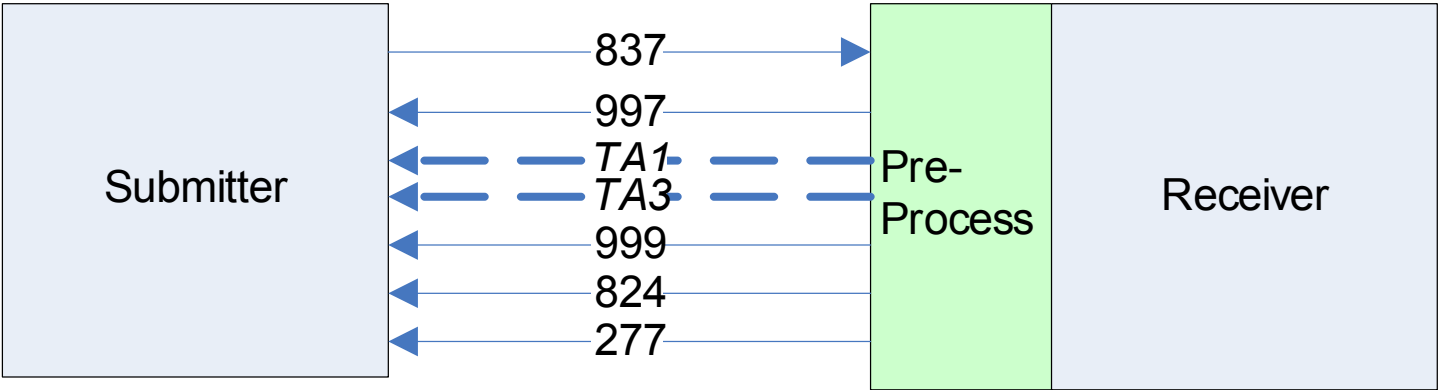
# Health Care Payer Unsolicited Claim Status



# 27

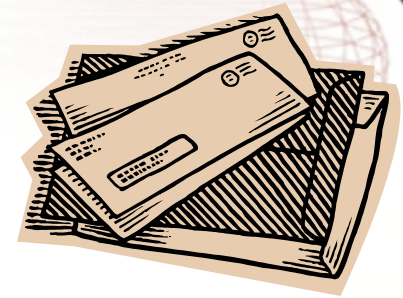
- Created by the Payer (its agent or service Bureau)
- Initiated by a payer's Claim Processing system
- Examples
  - Notification of receipt into the adjudication system
  - List of claims awaiting final adjudication
  - List of claims suspended

# Acknowledgement Process





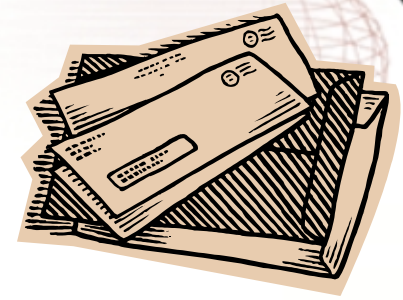
# EDI Translation Software



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](http://www.ecintegrity.com)  
[www.edipartners.com](http://www.edipartners.com)  
[www.x12.org](http://www.x12.org)  
[www.disa.org](http://www.disa.org)  
[www.wedi.org](http://www.wedi.org)

