997 Functional Acknowledgment (Outbound)
Functional Group ID=FA

Introduction:
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.

Notes:
This document identifies the NEXCOM business requirements for the 997 Functional Acknowledgment. All segments marked "MANDATORY" by the standards and NEXCOM will always be transmitted. All segments marked "OPTIONAL" may be transmitted as necessary in their respective segments.

Segment: ISA - INTERCHANGE CONTROL HEADER **Level: ENVELOPE**
Loop: **Max Use: 1**   **Usage: MANDATORY**

PURPOSE: To start and identify an interchange of one or more functional groups.

	Data Element Name	**NEXCOM Codes/Values**
ISA01	Authorization Information Qualifier	"00"
ISA02	Authorization Information	Ten blank position
ISA03	Security Information Qualifier	"00"
ISA04	Security Information	Ten blank position
ISA05	Interchange ID Qualifier	"08"
ISA06	Interchange Sender ID	"9252671859"
ISA07	Interchange ID Qualifier	Receiver's ID qualifier (01, ZZ, 08 etc.)
ISA08	Interchange Receiver ID	Receiver's ID
ISA09	Interchange Date	YYMMDD
ISA10	Interchange Time	HHMM
ISA11	Interchange Control Standards Identifier	"U"
ISA12	Interchange Control Version Number	"00401"
ISA13	Interchange Control Number	Sequential Number
ISA14	Acknowledgment Requested	"0"
ISA15	Test Indication	"P" for Production "T" for Test
ISA16	Sub element Separator	">"

Segment: GS - FUNCTIONAL GROUP HEADER   Level: GROUP
Loop: **Max Use: 1**   **Usage: MANDATORY**

PURPOSE: To start and identify a functional group of related transaction sets and provide control and application identification information.

	Data Element Name	**NEXCOM Codes/Values**
GS01	Functional Identifier Code	"FA" = Functional Acknowledgment
GS02	Application Sender's Code	Same as ISA06
GS03	Application Receiver's Code	Same as ISA08
GS04	Date	CCYYMMDD
GS05	Time	HHMM
GS06	Group Control Number	Sequential Number
GS07	Responsible Agency Code	"X" - X12
GS08	Version/Release/Industry Identifier Code	"004010VICS"

Segment: ST - TRANSACTION SET HEADER   Level: HEADER
Loop: **Max Use: 1**   **Usage: MANDATORY**

PURPOSE: To identify the start of a transaction set and to assign a control number.

	Data Element Name	**NEXCOM Codes/Values**
ST01	Transaction Set Identifier Code	"997"
ST02	Transaction Set Control Number	Unique Control Number assigned by transaction set originator

----

Segment: AK1 - FUNCTIONAL GROUP RESPONSE HEADER   Level: HEADER
Loop: **Max Use: 1**   **Usage: MANDATORY**

PURPOSE: To start acknowledgment of a functional group.

	Data Element Name	**NEXCOM Codes/Values**
AK101	Functional Identifier Code	Value from GS01 in original transaction e.g. "PO", "PD", "IN"
AK102	Group Control Number	Control number assigned in GS06 in the original transaction

----

Segment: AK2 - TRANSACTION SET RESPONSE HEADER*   Level: HEADER
Loop: **AK2**   **Repeat 99999**   **Max Use: 1**   **Usage: OPTIONAL**

PURPOSE: To start acknowledgment of a single transaction set.

Data Element Name	**NEXCOM Codes/Values**

| AK201 | Transaction Set Identifier Code | Value from ST01 in original transaction |
| AK202 | Transaction Control Number | Control number is the same as ST02 of original document |

Segment: AK3 – Data Segment Note   **Level: HEADER**
Loop: AK2/AK3 Repeat 99999   **Max Use: 1**   **Usage: OPTIONAL**

PURPOSE: To report errors in a data segment and identify the location of the data segment.

	Data Element Name	**NEXCOM Codes/Values**
AK301	Segment ID Code	Code defining the segment ID of the data segment in error
AK302	Segment Position in Transaction Set	The numerical count position of data segment from the start of the transaction set.

Segment: AK4 – Data Element Note   **Level: HEADER**
Loop: AK2/AK3   **Max Use: 99**   **Usage: OPTIONAL**

PURPOSE: To report errors in a data segment and identify the location of the data segment.

	Data Element Name	**NEXCOM Codes/Values**
AK401	Position in Segment	Code indicating the position of the data element in error
AK402	Data Element Reference Number	Reference number used to locate the data element
AK403	Data Element Syntax Error Code	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
AK404	Copy of Bad Data Element	Copy of the data element in error

----

Segment: AK5 - TRANSACTION SET RESPONSE TRAILER*   **Level: HEADER**
Loop: AK2   **Max Use: 1**   **Usage: MANDATORY**

PURPOSE: To acknowledge acceptance or rejection and to report errors in a transaction set.

	Data Element Name	**NEXCOM Codes/Values**

AK501	Transaction Set Acknowledgement Code	"A" = Accepted
		"E" = Accepted but Errors were Noted
		"R" = Rejected

Segment: AK9 - FUNCTIONAL GROUP RESPONSE TRAILER   Level: HEADER
Loop: **Max Use: 1**   **Usage: MANDATORY**

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 Name	**NEXCOM Codes/Values**
AK901	Functional Group Acknowledgment Code	"A" = Accepted
		"E" = Accepted but Errors were Noted
		"R" = Rejected
		"P" = Partially accepted, at least one transaction set was rejected
AK902	Number of Transaction Sets Included	Number of sets sent in functional group
AK903	Number of Received Transaction Sets	Number of sets received
AK904	Number of Accepted Transaction Sets	Number of sets accepted

----

Segment: SE - TRANSACTION SET TRAILER   **Level: SUMMARY**
Loop: **Max Use: 1**   **Usage: MANDATORY**

PURPOSE: To indicate the end of the transaction set and provide the count of the transmitted segments.

	Data Element Name	**NEXCOM Codes/Values**
SE01	Number of Segments	Total segments. Include ST and SE segments
SE02	Control Number	Sequential Number, same as ST02

Segment: GE - FUNCTIONAL GROUP TRAILER   **Level: SUMMARY**
Loop: **Max Use: 1**   **Usage: MANDATORY**

PURPOSE: To define the end of a functional group of related transaction sets.

	Data Element Name	**NEXCOM Codes/Values**
GE01	Number of Transaction Sets Included	Total Number of Transaction Sets
GE02	Group Control Number	Sequential Number, same as GS06

Segment: IEA - INTERCHANGE CONTROL TRAILER   **Level: ENVELOPE**
Loop: **Max Use: 1**   **Usage: MANDATORY**

PURPOSE: To define the end of an interchange of one or more functional groups and related control.

	Data Element Name	**NEXCOM Codes/Values**
IEA01	Number of Included Functional Groups	Count of GS Segments in Transmission.
IEA02	Interchange Control Number	Sequential Number, same as ISA 13