

Segment: **ISA** Interchange Control Header

Level: N/A

Loop: _____

Usage: Mandatory 1 per interchange

Max Use: 1

Purpose: To start and identify an interchange of one or more functional groups and interchange-related control segments

Notes: The actual values of the data element separator and the data segment terminator for this interchange are set by the interchange control header. For a particular interchange, the value at the fourth character position is the data element separator, and the value of the last character position is the value of the data segment terminator. The extent of this particular usage of the data element separator and the data segment separator terminator is from this header to and including the next interchange trailer.

The interchange control number value in ISA13 in this header must match the value in the same data element n the corresponding interchange control trailer in IEA02.

The first occurrence of the data element separator (byte 4) defines the actual value of the data element separator and is graphically displayed as an asterisk "*". The first occurrence of the segment terminator, 1 byte after the data element ISA16, defines the actual value of the data segment terminator and is graphically displayed as N/L.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ISA01	I01	Authorization Information Qualifier Use "00"	M ID 2/2
ISA02	I02	Authorization Information Use ten spaces	M AN 10/10
ISA03	I03	Security Information Qualifier Use "01" for password	M ID 2/2
ISA04	I04	Security Information Mutually defined password	M AN 10/10
ISA05	I05	Interchange ID Qualifier Use "01" or other applicable codes	M ID 2/2
ISA06	I06	Interchange Sender ID DUNS number. Left justify, space fill	M ID 15/15
ISA07	I05	Interchange ID Qualifier Use "01" or other applicable codes	M ID 2/2
ISA08	I07	Interchange Receiver ID DUNS number. Left justify, space fill	M ID 15/15
ISA09	I08	Interchange Date Date of creation	M DT 6/6
ISA10	I09	Interchange Time Time of creation	M TM 4/4
ISA11	I10	Interchange Control Standards Identifier Use "U" for U.S.	M ID 1/1
ISA12	I11	Interchange Control Version Number Use "00401"	M ID 5/5
ISA13	I12	Interchange Control Number A number that cannot be repeated within a 1 year period at a time	M NO 9/9

ISA14	I13	Acknowledgment Requested Use "0" for no Ack. Req., use "1" for Ack. Req.	M	ID	1/1
ISA15	I14	Test Indicator Use "T" for test data or "P" for production data	M	ID	1/1
ISA16	I15	Component Element Separator	M		1/1

Segment: **IEA** Interchange Control Trailer

Level: N/A

Loop: _____

Usage: Mandatory 1 per interchange

Max Use: 1

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Notes: The interchange control number IEA02 in this trailer must match the value in ISA13.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
IEA01	I16	Number of Included Functional Groups Number of GS segments included between ISA and this IEA	M	NO	1/5
IEA02	I12	Interchange Control Number Must match ISA13	M	NO	9/9

Segment: **GS** Functional Group Header

Level: N/A

Loop: as required

Usage: Mandatory 1 per functional group

Max Use: 1

Purpose: To indicate the beginning of a functional group and to provide control information

Notes: See the ASC X12 segment directory for rules and notes.

Strict compliance and agreement on content by trading partners is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
GS01	479	Functional Identifier Code	M	ID	2/2
GS02	142	Application Sender's Code	M	ID	2/15
GS03	124	Application Receiver's Code	M	ID	2/15
GS04	373	Date Date created	M	DT	8/8
GS05	337	Time Time created	M	TM	4/8

GS06	28	Group Control Number Start with 1 and increment by 1 for each subsequent GS segment	M	NO	1/9
GS07	455	Responsible Agency Code Enter "X" for ASC X12 formats	M	ID	1/2
GS08	480	Version/Release/Industry ID Code Use "004010" for this version/release	M	ID	1/12

Segment: **GE** Functional Group Trailer

Level: N/A

Loop: _____

Usage: Mandatory 1 per functional group

Max Use: 1

Purpose: To indicate the end of a functional group and to provide control information

Notes: The data interchange control number (GE02) in this trailer must be identical to the same data element in the associated functional group header (GS06).

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
GE01	97	Number of Transaction Sets Included Total number of ST segments in group	M	NO	1/6
GE02	28	Group Control Number Must be identical to the same data element in the associated group header (GS06)	M	NO	1/9

ISA/GS Sample Data Based on AIAG Guidelines

Version 4010

