Envelope Segments

Functional Group=

Purpose:

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ISA	Interchange Control Header	M	1			Must use
020	GS	Functional Group Header	M	1			Must use
030	GE	Functional Group Trailer	M	1			Must use
040	IEA	Interchange Control Trailer	M	1			Must use

ISA   **Interchange Control Header**

Pos: 010	**Max: 1**
Not Defined - Mandatory	
Loop: N/A	**Elements: 16**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use	1

Description: Code to identify the type of information in the Authorization Information

CodeList Summary (Total Codes: 7, Included: 1)

Code	Name
00	No Authorization Information Present (No Meaningful Information in I02)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA02	I02	**Authorization Information**	M	AN	10/10	Must use	1

Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)

User Note 1: *Fill with spaces*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use	1

Description: Code to identify the type of information in the Security Information

CodeList Summary (Total Codes: 2, Included: 1)

Code	Name
00	No Security Information Present (No Meaningful Information in I04)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA04	I04	**Security Information**	M	AN	10/10	Must use	1

Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)

User Note 1: *Fill with spaces*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use	1

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

CodeList Summary (Total Codes: 38, Included: 1)

Code	Name
01	Duns (Dun & Bradstreet) US Partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use	1

Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element

User Note 1: *EDI Trading Partners: DUNS Number*

Hershey: 003002052 (Production)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use	1

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

CodeList Summary (Total Codes: 38, Included: 1)

Code	Name
01	Duns (Dun & Bradstreet) US Partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use	1

Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep

User Note 1: *EDI Trading Partners: DUNS Number*

Hershey: 003002052T (Test)

Hershey: 003002052 (Production)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA09	I08	**Interchange Date**	M	DT	6/6	Must use	1

Description: Date of the interchange

User Note 1: *Format: YYMMDD*

The date in ISA has not been changed to be Y2K compliant by DISA, the responsible standardization committee

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use	1

Description: Time of the interchange

User Note 1: *Format: HHMM*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use	1

Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer

CodeList Summary (Total Codes: 1, Included: 1)

Code Name

U   U.S. EDI Community of ASC X12, TDCC, and UCS

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use	1

Description: This version number covers the interchange control segments

CodeList Summary (Total Codes: 14, Included: 1)

Code Name

00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use	1

Description: A control number assigned by the interchange sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Must use	1

Description: Code sent by the sender to request an interchange acknowledgment (TA1)

CodeList Summary (Total Codes: 2, Included: 1)

Code Name

0   No Acknowledgment Requested

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA15	I14	**Usage Indicator**	M	ID	1/1	Must use	1

Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information

CodeList Summary (Total Codes: 3, Included: 2)

Code Name

P   Production Data
T   Test Data

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA16	I15	**Component Element Separator**	M		1/1	Must use	1

Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

GS   Functional Group Header

<table>
<tr><td>Pos: 020</td><td>Max: 1</td></tr>
<tr><td colspan="2">Not Defined - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 8</td></tr>
</table>

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use	1

Description: Code identifying a group of application related transaction sets

CodeList Summary (Total Codes: 234, Included: 3)

Code	Name
GP	Grocery Products Invoice (880)
OG	Order Group - Grocery (875, 876)
PR	Purchase Order Acknowledgement (855)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use	1

Description: Code identifying party sending transmission; codes agreed to by trading partners

User Note 1: *EDI Trading Partners: Phone number*

Hershey: 7175345630 - US Partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use	1

Description: Code identifying party receiving transmission. Codes agreed to by trading partners

User Note 1: *EDI Trading Partners: Phone number*

Hershey: 7175345630 - US Partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS04	373	**Date**	M	DT	8/8	Must use	1

Description: Date expressed as CCYYMMDD

User Note 1: *Format: CCYYMMDD*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS05	337	**Time**	M	TM	4/8	Must use	1

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

User Note 1: *Format: HHMM*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS06	28	**Group Control Number**	M	N0	1/9	Must use	1

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use	1

Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard

CodeList Summary (Total Codes: 2, Included: 1)

Code	Name
T	Transportation Data Coordinating Committee (TDCC)

User Note 1:
  Use for 855, 875, 880

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use	1

Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep

CodeList Summary (Total Codes: 37, Included: 1)

Code	Name
004010UCS	UCS version 4010

User Note 1:

Use for 855, 875, 880

GE Functional Group Trailer

Pos: 030	**Max: 1**
Not Defined - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Must use	1

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GE02	28	**Group Control Number**	M	N0	1/9	Must use	1

Description: Assigned number originated and maintained by the sender

User Note 1: *Must match the Group Control Number in GS06*

IEA   Interchange Control Trailer

Pos: 040	**Max: 1**
Not Defined - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Must use	1

Description: A count of the number of functional groups included in an interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use	1

Description: A control number assigned by the interchange sender

User Note 1: *Must match the Interchange Control Number in ISA13*