

EDI Interchange, Group and Transaction set Header and Trailer segment specifications

Segment : ISA Interchange Control Header

Position : 010

Level : Header

Usage : Mandatory

Max Use : 1

Purpose : Marks the beginning of the transmission or interchange and provides the sender/receiver identification.

Example :

```
ISA*00*      *00*      *08*9254110060 *01*002004182 *160413
*0033*~*00501*000003692*0*P*>~
```

Data Element summary:

Element Reference	Description	Element ID	Requirement	Type	Min/Max	Usage	Possible Values
ISA01	Authorization Info Qualifier	I01	M	ID	2/2	Must use	00
ISA02	Authorization Information	I02	M	AN	10/10	Must use	Ten spaces Should be blank filled
ISA03	Security Info Qualifier	I03	M	ID	2/2	Must use	00
ISA04	Security Information	I04	M	AN	10/10	Must use	Ten spaces Should be blank filled
ISA05	Interchange Sender ID Qualifier	I05	M	ID	2/2	Must use	Used to define the ID sent in the ISA06
ISA06	Interchange Sender ID	I06	M	AN	15/15	Must use	
ISA07	Interchange Receiver ID Qualifier	I05	M	ID	2/2	Must use	Used to define the ID sent in the ISA08
ISA08	Interchange Receiver ID	I07	M	AN	15/15	Must use	
ISA09	Interchange Date	I08	M	DT (YYMMDD)	6/6	Must use	
ISA10	Interchange Time	I09	M	TM (HHMM)	4/4	Must use	

ISA11	Interchange Standards ID	I10	M	ID	1/1	Must use	"U" for 4010 version "–" or Hex '5F' for 5010 version
ISA12	Interchange Version ID	I11	M	ID	5/5	Must use	"00400" for 4010 version "00501" for 5010 version
ISA13	Interchange Control Number	I12	M	N0	9/9	Must use	Must match the IEA02
ISA14	Acknowledge Requested	I13	M	ID	1/1	Must use	"0" for no "1" for yes
ISA15	Test Indicator	I14	M	ID	1/1	Must use	"T" for test "P" for Production
ISA16	Sub Element Separator	I16	M	AN	1/1	Must use	

Segment : IEA Interchange Control Trailer

Position : 040

Level : Trailer

Usage : Mandatory

Max Use : 1

Purpose : Marks the ending of the Interchange and provides number of the groups exist in the interchange along with the interchange control number.

Example : IEA* 1*000003692~

Data Element Summary

Element Reference	Description	Element ID	Requirement	Type	Min/Max	Usage	Possible Values
IEA01	Number of Functional Groups	I16	M	N0	1/5	Must use	Count of the GS segments within the transmission
IEA02	Interchange Control number	I12	M	N0	9/9	Must use	Must match the ISA13

Segment : GS Segment Functional Group Header

Position : 020

Level : Header

Usage : Mandatory

Max Use : 1

Purpose : Marks the beginning of the functional group and provides the sender/receiver identification.

Example : GS*CD*5137624388*002004182*20160413*0033*498*X*005010~

Data Element Summary

Element Reference	Description	Element ID	Requirement	Type	Min/Max	Usage	Possible Values
GS01	Functional ID Code	479	M	ID	2/2	Must use	
GS02	Application Senders Code	142	M	AN	2/15	Must use	
GS03	Application Receivers Code	124	M	AN	2/15	Must use	
GS04	Data Interchange Date	29	M	DT (YYMMDD)	6/6	Must use	
GS05	Data Interchange Time	337	M	TM (HHMM)	4/4	Must use	
GS06	Data Interchange Control number	28	M	N0	1/9	Must use	Must match GE02
GS07	Responsible	455	M	ID	½	Must	

	Agency Code					use	
GS08	Version Release ID Code	480	M	AN	1/12	Must use	

Segment : GE Segment Functional Group Trailer

Position : 020

Level : Trailer

Usage : Mandatory

Max Use : 1

Purpose : Marks the ending of the functional group and provides number of the transaction sets exist in the group along with the group control number.

Example : GE* 1*498~

Data Element Summary

Element Reference	Description	Element ID	Requirement	Type	Min/Max	Usage	Possible Values
GE01	Number of Transaction Sets Included	97	M	NO	1/6	Must use	
GE02	Group Control number	28	M	NO	1/9	Must use	Must match GS06

Segment : ST Transaction Set Header

Level : Header

Usage : Mandatory

Max Use : 1

Purpose : To Indicate the start of a transaction set and to assign a control number.

Example : ST*812*000000749~

Data Element Summary

Element Reference	Description	Element ID	Requirement	Type	Min/Max	Usage	Possible Values
ST01	Transaction Set identifier code	143	M	ID	3/3	Must use	
ST02	Transaction set Control number	329	M	AN	4/9	Must use	Must match SE02

Segment : SE Transaction Set Trailer

Level : Trailer

Usage : Mandatory

Max Use : 1

Purpose : To Indicate the end of the transaction set and provide the count of the transmitted segments (include the beginning (ST) and ending (SE) segments)

Example : SE*17*000000749~

Data Element Summary

Element Reference	Description	Element ID	Requirement	Type	Min/Max	Usage	Possible Values
SE01	Number of included segments	96	M	N0	1/10	Must use	Count of the transmitted segments – include the beginning ST and the ending SE segments.
SE02	Transaction set Control number	329	M	AN	4/9	Must use	Must match the ST02

Data Sample:

X12 standards:

ISA*00* *00* *ZZ*ABBVIE *08*9254110060 *160531
0611-*00501*100002701*0*P*>~
GS*FA*ABBVIE DEMAND*5137624388*20160531*0611*100002081*X*005010~
ST*997*20810001~
AK1*PD*1407*005010~
AK2*852*01407001~
AK5*A~
AK2*852*01407002~
AK5*A~
AK2*852*01407003~
AK5*A~
AK9*A*3*3*3~
SE*10*20810001~
GE*1*100002081~
IEA*1*100002701~

UCS standards:

ISA*00* *00* *ZZ*ACOSTA *08*9254110060 *160531
0500-*00501*000679523*0*P*>~
GS*FA*ACOSTA*5137624388*20160531*0500*000679523*T*005010UCS~
ST*997*679523001~
AK1*CD*128898~
AK2*812*28898001~
AK5*A~
AK9*A*1*1*1~
SE*6*679523001~
GE*000001*000679523~
IEA*00001*000679523~