

ArvinMeritor Enveloping Structures

Enveloping Structures:

The specifications that follow detail the enveloping structures (ISA, GS, GE, IEA) used by ArvinMeritor.

ARM	Pos.	Seg.		Req.		Loop	Notes and
Required	No.	ID	Name	Des.	Max.Use	Repeat	Comments
Required	001	ISA	Interchange Control Header	O	1		
Required	002	GS	Functional Group Header	O	1		
Required	00Y	GE	Functional Group Trailer	O	1		
Required	00Z	IEA	Interchange Control Trailer	O	1		

Segment: **ISA** Interchange Control Header
Position: 005
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Required</u>	<u>Des.</u>	<u>Element</u>		
Required	ISA01	I01	Authorization Information Qualifier Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2
Required	ISA02	I02	Authorization Information 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) <i>BLANK</i>	M AN 10/10
Required	ISA03	I03	Security Information Qualifier Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)	M ID 2/2
Required	ISA04	I04	Security Information 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) <i>BLANK</i>	M AN 10/10
Required	ISA05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified 01 Duns (Dun & Bradstreet) 12 Phone (Telephone Companies) ZZ Mutually Defined	M ID 2/2
Required	ISA06	I06	Interchange Sender ID 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	M AN 15/15
Required	ISA07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified 01 Duns (Dun & Bradstreet) 12 Phone (Telephone Companies) ZZ Mutually Defined	M ID 2/2
Required	ISA08	I07	Interchange Receiver ID 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	M AN 15/15

Supplier EDI Specification

ArvinMeritor, Inc.

Required	ISA09	I08	Interchange Date Date of the interchange	M DT 6/6
Required	ISA10	I09	Interchange Time Time of the interchange	M TM 4/4
Required	ISA11	I10	Interchange Control Standards Identifier Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
Required	ISA12	I11	Interchange Control Version Number This version number covers the interchange control segments 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M ID 5/5
Required	ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M N0 9/9
Required	ISA14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1) 0 No Acknowledgment Requested	M ID 1/1
Required	ISA15	I14	Usage Indicator Code to indicate whether data enclosed by this interchange envelope is test, production or information P Production Data T Test Data	M ID 1/1
Required	ISA16	I15	Component Element Separator 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	M AN 1/1

Segment: **GS** **Functional Group Header**
Position: 007
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Syntax Notes:
Semantic Notes:

- 1 GS04 is the group date.
- 2 GS05 is the group time.
- 3 The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

- 1 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Required</u>	<u>Des.</u>	<u>Element</u>		
Required	GS01	479	Functional Identifier Code Code identifying a group of application related transaction sets	M ID 2/2
Required	GS02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners	M AN 2/15
Required	GS03	124	Application Receiver's Code Code identifying party receiving transmission; codes agreed to by trading partners	M AN 2/15
Required	GS04	373	Date Date expressed as CCYYMMDD	M DT 8/8
Required	GS05	337	Time 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)	M TM 4/8
Required	GS06	28	Group Control Number Assigned number originated and maintained by the sender	M N0 1/9
Required	GS07	455	Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard X Accredited Standards Committee X12	M ID 1/2
Required	GS08	480	Version / Release / Industry Identifier Code 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 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M AN 1/12

Segment: **GE** Functional Group Trailer
Position: 025
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information
Syntax Notes:
Semantic Notes: 1 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.
Comments: 1 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Required	GE01	97	Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M N0 1/6
Required	GE02	28	Group Control Number Assigned number originated and maintained by the sender	M N0 1/9

Segment: **IEA** Interchange Control Trailer
Position: 015
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Required</u> Required	<u>Des.</u> IEA01	<u>Element</u> I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange	M N0 1/5
Required	IEA02	I12	Interchange Control Number A control number assigned by the interchange sender	M N0 9/9