

ARVINMERITOR

Commercial Vehicle Systems

ANSI ASC X12 VERSION RELEASE 003040

AUTOMOTIVE INDUSTRY ACTION GROUP
(AIAG)

ELECTRONIC DATA INTERCHANGE

SHIP NOTICE/MANIFEST TRANSACTION SET
(856)

IMPLEMENTATION GUIDELINES

ARVINMERITOR
856 003040
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Please see the Supply Chain Systems Information **CVS Business Process Guide** for further details which includes the communication and Plant information:

<http://tradeexchange.arvinmeritor.com/SupplierDir/edi/files.htm>

ARVINMERITOR

TRANSMISSION HEADER SEGMENT

ISA: Interchange Control Header

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

EXAMPLES:

ISA*00* * 00* *01*087743506 *09*052354297 *050101*0500*U*00340*000000001*0*P*~ (For IBM)

ISA*00* * 00* *01*087743506 *01*052354297S *050101*0500*U*00340*000000001*0*P*~ (For GXS)

<u>ELEM ID</u>	<u>ELEM #</u>	<u>FIELD DESCRIPTION</u>	<u>FIELD SIZE</u>	<u>FIELD COMMENTS</u>
		Segment ID		ISA
ISA01	774	Authorize Info. Qualifier	02	00
ISA02	745	Authorize Information	10	Blanks
ISA03	746	Security Info. Qualifier	02	00
ISA04	747	Security Information	10	Blanks
ISA05	704	Interchange ID Qualifier	02	01 999999999
ISA06	706	Interchange Sender ID	15	(DUNS #)
ISA07	704	Interchange ID Qualifier	02	09
ISA08	706	Interchange Receiver ID	15	052354297 Current Date (YYMMDD)
ISA09	373	Interchange Submit Date	06	Current Time (HHMM)
ISA10	337	Interchange Submit Time	04	
ISA11	726	Interchange Standard ID	01	U
ISA12	703	Interchange Version ID	05	00340 000000001- 99999999
ISA13	709	Interchange Control No. Acknowledgement	09	
ISA14	749	requested	01	0 (NO)
ISA15	748	Test indicator	01	P(Prod) T(Test)
ISA16	701	Sub Element Separator	01	*
----	---	Segment Terminator	01	Hex '7E' (~)

ARVINMERITOR

TRANSMISSION HEADER SEGMENT

GS: Group Header

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

NOTE: Please review CVS Business Process Guide for variations between Oracle and CAS Plants.

EXAMPLE: GS*SH087743506*001316629*050101*0500*0001*X*003040~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>FIELD DESCRIPTION</u>	<u>FIELD SIZE</u>	<u>FIELD COMMENTS</u>
		Segment ID		GS
GS01	479	Functional Identifier Code	2	"SH" – 856 "AG" – 824 "FA" – 997 "RC" – 861
GS02	142	Sender's DUNS Number	15	123456789 (DUNS #)
GS03	124	Receiver's DUNS Number	15	987654321 (DUNS #)
GS04	373	Data Interchange Date	6	Date Created
GS05	337	Data Interchange Time	4	Time Created
GS06	28	Control Number	1/9	Start with 1, Increment by 1 for each following GS Segment.
GS07	455	Responsible Agency Code	1	"X"
GS08	480	Version/Release	6	"003040"

ARVINMERITOR

IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

<u>LEVEL</u>	<u>SEGMENT</u>	<u>ARM USAGE</u>	<u>PAGE</u>
Heading	ST	M	6
	BSN	M	7
	DTM	M	8
Shipment	HL	M	9
	MEA	M	10
	TD1	M	11
	TD5	M	12
	TD3	M	13
	REF	O	14
	DTM	M	15
	N1	M	16
Item	HL	M	17
	LIN	M	18
	SN1	M	19
	PRF	M	20
	REF	M	21
	CLD	O	22
	REF	M	23
Summary	CTT	M	24
	SE	M	25

M = ARM Required Segment

O = ARM Optional Segment

ARVINMERITOR

IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: ST - Transaction Set Header

LEVEL: Heading

MAX USAGE/LOOPS: 1/None

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

GENERAL INFORMATION: The transaction set control number (ST02) in this header must match the transaction set control number (SE02) in the transaction set trailer (SE).

EXAMPLES: ST*856*0001~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARM FEATURES</u>	<u>COMMENTS</u>
ST01	143	Transaction Set ID Code	M ID 03/03	ST = "856"
ST02	329	Transaction Set Control Number	M AN 04/09	A unique control number assigned to each transaction set within a functional group.

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: BSN - Beginning Segment for Ship Notice

LEVEL: Heading

MAX USAGE/LOOPS: 1/None

PURPOSE: To transmit identifying numbers, dates and other basic data relating to the transaction set.

GENERAL INFORMATION: The date and time are the date and local time of the creation of the transaction.

EXAMPLES: BSN*00*123456*050101*1054 ~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
BSN 01	353	Transaction Set Purpose Code	M ID 02/02	"00" = Original "05" = Replace Required by Arvinmeritor "01" = Cancellation = future use "01" = Cancellation = future use
BSN02	396	Shipment Identification	M AN 02/30	Unique supplier Assigned number that is not repeated within one year period. This number will be the reference number for payment of invoices See Appendix 'B'
BSN03	373	Date	M DT 06/06	Creation date (YYMMDD)
BSN04	337	Time	M TM 04/04	Creation time (HHMM) 24-hour clock

ARVINMERITOR

IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: DTM - Date/Time Reference

LEVEL: Heading

MAX USAGE/LOOPS: 10/None

PURPOSE: To specify pertinent dates and times.

GENERAL INFORMATION: One DTM segment in the heading area is required to provide a shipment date.

EXAMPLES: DTM*011*050101*1054*ED ~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	AIAG ARVINMERITOR <u>FEATURES</u>	<u>FIELD COMMENTS</u>
DTM01	374	Date/Time Qualifier	M ID 03/03	"011" = Shipped on this date/time. Required by ArvinMeritor
DTM02	373	Date	M DT 06/06	Required by ArvinMeritor (YYMMDD)
DTM03	337	Time	M TM 04/04	Required by ArvinMeritor
DTM04	623	Time Zone Qualifier	M OD 02/02	Required by ArvinMeritor Valid time zone codes are: CD- Central Daylight Time CS- Central Standard Time CT- Central Time ED- Eastern Daylight ES- Eastern Standard Time ET-Eastern Time GM- Greenwich Mean time LT-Local Time MD-Mountain Daylight Time MS-Mountain Standard Time MT-Mountain Time PD- Pacific Daylight time PS- Pacific Standard Time PT-Pacific Time

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: HL - Hierarchical Level

LEVEL: Shipment

MAX USAGE/LOOPS: 200,000 per advance ship notice/begins the shipment loop.

PURPOSE: To identify dependencies among and the content of hierarchically related groups of data segments.

GENERAL INFORMATION: The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line item data to shipment data, and packing data to line item data.

EXAMPLES: HL*1**S~ (Shipment Level) required

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
HL01	628	Hierarchical ID Number	M AN 01/12	"1"
HL02	734	Hierarchical Parent ID Number	O AN 01/12	Required except for the first occurrence of the HL segment.
HL03	735	Hierarchical Level Code	M ID 01/02	"S"

ARVINMERITOR

IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: MEA - Measurements

LEVEL: Shipment

MAX USAGE/LOOPS: 40 per HL loop

PURPOSE: To specify physical measurements including dimensions, tolerances, weights and counts.

GENERAL INFORMATION: ArvinMeritor utilizes MEA record for shipment level only.

EXAMPLES:
MEA*PD*G*34250*LB~
MEA*PD*N*3000*LB~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
MEA01	737	Measurement Reference ID Code	0 ID 02/02	"PD" = Physical Dimensions
MEA02	738	Measurement Qualifier	O ID 01/03	"G" = Gross Weight -Mandatory "N" = Net Weight -Optional
MEA03	739	Measurement Value	C R 01/10	
MEA04	355	Unit of Measurement Code	C ID 02/02	"LB" = Pounds

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: TD1 - Carrier Details (Quantity and Weight)

LEVEL: Shipment

MAX USAGE/LOOPS: 20 per HL loop

PURPOSE: To specify the transportation details relative to commodity, weight and quantity.

GENERAL INFORMATION: This segment is required by ArvinMeritor at the shipment level.

EXAMPLES:
TD1*PLT71*2~
TD1*CTN25*50~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
TD101	103	Packaging Code	M ID 05/05	See Appendix 'C'
TD102	80	Quantity	M NO 01/07	Number of packages of the type specified in TD101

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: TD5 - Carrier Details (Routing Sequence/Transmit Time)

LEVEL: Shipment

MAX USAGE/LOOPS: 12 per HL loop

PURPOSE: To specify the carrier, sequence of routing and to provide transit time information.

GENERAL INFORMATION: At least one TD502, TD504 or TD505 is required.

EXAMPLES:
 TD5*B*02*SP*R~
 TD5*B*02*JONS*M~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
TD501	133	Routing Sequence Code	M ID 01/02	Use "B" for origin/delivery carrier (any model) Required by ArvinMeritor
TD502	66	ID Code Qualifier	M ID 01/02	Use "02" to identify TD503 as the Standard Carrier Alpha Code (SCAC)
TD503	67	ID Code	M ID 02/17	SCAC Code
TD504	91	Transportation Method Code	M ID 01/02	Code Specifying the method or type of transportation for the shipment
TD505	387	Routing	O AN 01/35	Carrier Name

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: TD3 - Carrier Details (Equipment)

LEVEL: Shipment

MAX USAGE/LOOPS: 12 per HL loop

PURPOSE: To specify transportation details relating to the equipment used by the carrier.

GENERAL INFORMATION: Only one TD3 segment is used per shipment to identify the serial number of the trailer or rail car, if that information is available.

EXAMPLES: TD3*TL**176653~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	AIAG ARVINMERITOR <u>FEATURES</u>	<u>FIELD COMMENTS</u>
TD301	40	Equipment Description Code	M ID 02/02	Code identifying type of equipment used for shipment
TD302	206	Equipment Initial	O AN 01/04	Not used
TD303	207	Equipment Number	M AN 01/10	Required

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: REF - Reference Numbers

LEVEL: Shipment

MAX USAGE/LOOPS: 200 per HL loop

PURPOSE: To transmit identify numbers.

GENERAL INFORMATION:

EXAMPLES: REF*BM*123456~
REF*CN*34911~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
REF01	128	Reference Number Qualifier	M ID 02/02	"BM" = Bill of Lading Number "CN" = Carrier Pro Number ArvinMeritor requires the Bill of Lading. The Carrier Pro Number is also required if available. The following are also acceptable: "AW" = Air Way Bill Number "FR" = Freight Bill Number "SI" = Shipment Identification Number (SID)
REF02	127	Reference Number	M AN 01/30	Required
REF03	352	Description	O AN 01/80	Not currently used

ARVINMERITOR

IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: DTM - Date/Time Reference

LEVEL: Heading

MAX USAGE/LOOPS: 10/None

PURPOSE: To specify pertinent dates and times.

GENERAL INFORMATION: One DTM segment in the heading area is required to provide an estimated arrival date.

EXAMPLES: DTM*371*050102*0500*ET~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
DTM01	374	Date/Time Qualifier	M ID 03/03	"371" = Estimated Arrival Date. Required by ArvinMeritor
DTM02	373	Date	M DT 06/06	Required by ArvinMeritor (YYMMDD)
DTM03	337	Time	M TM 04/04	Required by ArvinMeritor (HHMM)
DTM04	623	Time Zone Qualifier	M OD 02/02	Required by ArvinMeritor Valid time zone codes are: CD- Central Daylight Time CS- Central Standard Time CT- Central Time ED- Eastern Daylight ES- Eastern Standard Time ET- Eastern Time GM- Greenwich Mean time LT- Local Time MD- Mountain Daylight Time MS- Mountain Standard Time MT- Mountain Time PD- Pacific Daylight time PS- Pacific Standard Time PT- Pacific Time

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: N1 - Name LEVEL: Shipment

MAX USAGE/LOOPS: 1 per N1 loop whose max usage is 200 per HL loop.

PURPOSE: To identify a party by type of organization, name and code.

GENERAL

INFORMATION: At a minimum the supplier ship from and customer ship to locations must be identified at the shipment level.

EXAMPLES: N1*ST**01*057174658~
N1*Sf**92*T440973~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
N101	98	Entity Identifier Code	M ID 02/02	"ST" = Ship To "SF" = Ship From
N102	93	Name	O AN 01/35	Optional
N103	66	ID Code Qualifier	C ID 01/02	"01" DUNS number for "ST". "92" assigned supplier code for "SF" Required by ArvinMeritor
N104	67	ID Code	C ID 02/17	ArvinMeritor requires the DUNS number for "ST". Assigned supplier code for "SF"

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: HL - Hierarchical Level

LEVEL: Item

MAX USAGE/LOOPS: 200,000 per advance ship notice/begins the item loop.

PURPOSE: To identify dependencies among and the content of hierarchically related groups of data segments.

GENERAL INFORMATION: The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line item data to shipment data, and packing data to line item data.

EXAMPLES:
HL*2*1*I~
HL*3*1*I~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
HL01	628	Hierarchical ID Number	M AN 01/12	"2" for the initial HL Item segment and increment by "1" in each subsequent HL segment within the transaction
HL02	734	Hierarchical Parent ID Number	M AN 01/12	"1"
HL03	735	Hierarchical Level Code	M ID 01/02	"I"

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: LIN - Item Identification Detail

LEVEL: Item

MAX USAGE/LOOPS: 1 per HL loop

PURPOSE: To specify basic item identification data.

GENERAL INFORMATION: Use for customer's and supplier's part number.

EXAMPLES: LIN*01*BP*5671192*VP*J37100~
LIN*099*BP*457-336~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
LIN01	350	Assigned Identification	M AN 01/06	PO Line number as sent on 830
LIN02	235	Product/Service ID Qualifier	M ID 02/02	"BP" Buyers part number
LIN03	234	Product/Service ID	M AN 01/30	Buyers part number
LIN04	235	Product/Service ID Qualifier	O AN 02/02	"VP"
LIN05	234	Product/Service ID Qualifier	O AN 01/30	Vendor Part No.

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: SN1 - Item Detail (Shipment)

LEVEL: Item

MAX USAGE/LOOPS: 1 per HL loop

PURPOSE: To specify line item detail relative to shipment.

GENERAL INFORMATION: Use to show the net quantity being shipped, the unit of measure, and cumulative year-to-date shipments.

EXAMPLES: SN1**32949*EA*900977~
SN1**1*PC~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
SN101	350	Assigned Identification	O AN 01/06	Not used
SN102	382	Number of Units Shipped	M R 01/10	Required by Arvinmeritor
SN103	355	Unit of Measurement Code	M ID 02/02	ArvinMeritor accepts: "EA" = Each "LB" = Pounds "PC" = Piece
SN104	646	Quantity Shipped to Date	O R 01/09	Quantity shipped year-to-date per ArvinMeritor fiscal year
SN105	330	Quantity Ordered	O R 01/09	Not Used
SN106	355	Unit of Measurement Code	C ID 02/02	Not Used
SN107	728	Returnable Container Load Make-Up Code	O ID 01/02	Not Used
SN108	668	Line Item Status Code	O ID 02/02	Not Used

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 = Ship Notice/Manifest

SEGMENT: PRF = Purchase Order Reference

LEVEL: Item

MAX USAGE/LOOPS: 1 per HL loop

PURPOSE: To provide reference to a specific purchase order.

GENERAL INFORMATION: Used to provide the (PO) purchase order number and purchase order date for an item.

EXAMPLES: PRF*DAM4711***050101~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
PRF01	324	Purchase Order Number	M AN 01/22	ArvinMeritor Purchase Order Number as sent on the 830. Required by ArvinMeritor
PRF02	328	Release Number	O AN 01/30	
PRF03	327	Change Order Sequence Number	O AN 01/08	
PRF04	323	Purchase Order Date	O DT 06/06	YYMMDD
PRF05	350	Assigned Identification	O AN 01/06	Not Used
PRF06	367	Contract number	O AN 01/30	Not Used

ARVINMERITOR

IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: REF - Reference Numbers

LEVEL: Item

MAX USAGE/LOOPS: 200 per HL loop

PURPOSE: To transmit identify numbers.

GENERAL INFORMATION:

EXAMPLES: REF*PK*123456 ~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
REF01	128	Reference number Qualifier	M ID 02/02	"PK" = Packing Listing Number "HC" = Heat Code "LA" = Shipping Label Serial Number "LS" = Bar Coded Label Serial Number "LT" = Lot Number "SE" = Product Serial Number
REF02	127	Reference Number	M AN 01/30	Required
REF03	352	Description	O AN 01/80	Not currently used

ARVINMERITOR

IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: CLD - Load Detail (optional)

LEVEL: Item

MAX USAGE/LOOPS: 1 per CLD loop whose max usage is 8 per HL loop.

PURPOSE: To specify the number of material loads shipped.

GENERAL INFORMATION: This segment is used by the supplier to inform the customer material loads shipped, e.g., pallets, and the quantity per load. The customer will use this information to prepare move tags and/or bar coded labels to aid in moving material.

EXAMPLES:
 CLD*2*50*CTN71*3*PC~
 CLD*34*408*PLT71*00012*PC~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
CLD01	622	Number of Customer Loads	M NO 01/05	
CLD02	382	Number of Units Shipped	M R 01/10	Total quantity on container
CLD03	103	Packaging Code	O ID 05/05	Container Type (3 char) plus Container Material (2 dig) Please refer to Appendix 'C'
CLD04	357	Size	O R 01/08	Sub-pack quantity
CLD05	355	Unit of Measurement Code	O ID 02/02	Unit of Measure sub-pack quantity: "PC" = Piece "EA" = Each

ARVINMERITOR

IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: REF - Reference Numbers (optional)

LEVEL: Item

MAX USAGE/LOOPS: 200 per CLD loop

PURPOSE: To transmit identify numbers.

GENERAL INFORMATION:

EXAMPLES: REF*SE*123456~
REF*LS*34911~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
REF01	128	Reference Number Qualifier	M ID 02/02	"SE" = Product Serial Number "LA" = Shipping Label Serial Number "LS" = Bar Coded Label Serial Number "LT" = Lot Number
REF02	127	Reference Number	M AN 01/30	Required
REF03	352	Description	O AN 01/80	Not Currently Used

ARVINMERITOR

IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 - Ship Notice/Manifest

SEGMENT: CTT - Transaction Totals

LEVEL: Summary

MAX USAGE/LOOPS: 1/None

PURPOSE: To transmit a hash total for a specific element in the transaction set.

GENERAL INFORMATION: CTT01 and CTT02 are mandatory.

EXAMPLES: CTT*4*32969~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
CTT01	354	Number of "HL" Loops	M ID 01/06	Total number of segments
CTT02	347	Hash Total	O R 01/10	Required hash total of quantity shipped (SN102)

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IMPLEMENTATION GUIDELINES FOR AIAG EDI CONVENTIONS

TRANSACTION SET: 856 = Ship Notice/Manifest

SEGMENT: SE = Transaction Set Trailer

LEVEL: Summary

MAX USAGE/LOOPS: 1/None

PURPOSE: To indicate the end of the transaction set and provide the count of the transmitted segment including the beginning "ST" and ending "SE" segment.

GENERAL INFORMATION: The transaction set control number value in this trailer must match the same element value in the transaction set header ST02.

EXAMPLES: SE*51*0001 ~

<u>ELEM ID</u>	<u>ELEM #</u>	<u>NAME</u>	<u>AIAG ARVINMERITOR FEATURES</u>	<u>FIELD COMMENTS</u>
SE01	96	Number of Included Segments	M NO 01/06	
SE02	329	Transaction Set Control Number	M AN 04/09	Same as ST02

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APPENDIX 'A'

SAMPLE ASN's

EXAMPLE 1

Two part numbers totaling 624 pieces shipped in 13 containers with a total weight of 4,654 pounds. These parts were shipped under one packing slip.

BSN*00*043365*050101*1421
DTM*011*050101*1421*ET
HL*1**S
MEA*PD*G*4654*LB
TD1*BIN79*13
TD5*B*02*BAWC*M
TD3*TL**2875
REF*BM*043365
REF*CN*695765
DTM*371*050105
N1*ST**01*057174658
N1*Sf**92*41771
HL*2*1*I
LIN*009*BP*04675586
SN1**336*PC*7617
PRF*06257B
REF*PK*152465
HL*3*1*I
LIN*010*BP*04675587
SN1**288*PC*70973
PRF*06205070B
REF*PK*152465
CTT*3*624

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APPENDIX 'A'

SAMPLE ASN's

EXAMPLE 2

Four parts shipped under two packing slips with two container types, totaling 46 containers.

A miscellaneous charge is associated with a single container which has a bar coded serial number.

BSN*00*043350*050101*1257
DTM*011*050101*1257*ET
HL*1**S
MEA*PD*G*16468*LB
TD1*BIN79*45
TDI *BIN78*1
TD5*B*02*BAWC*M
TD3*TL**5030
REF*BM*043350
REF*CN*6957578
DTM*371*050105
N1*ST**01*057174658
N1*SF**92*417701
HL*2*1*I
LIN*020*BP*04675586*VP*003003
SN1**1008*PC*70281
PRF*06205070B
REF*PK*152422
HL*3*1*I
LIN*005*BP*04675587*VP*003004
SN1**1008*PC*70685
PRF*06205070B
REF*PK*152422
HL*4*1*I
LIN*100*BP*04675602*VP*003010
SN1**96*PC*6380
PRF*06205071A
REF*PK*152423
HL*5*1*I
LIN*001*BP*04675603*VP*003011
SN1**96*PC*6571
PRF*06205071A
REF*PK*152423
CLD*1*96*BIN78
REF*LS*123456
ITA*C***06***20000*****TTV
CTT*5*2208

ARVINMERITOR

APPENDIX 'B'

BSNO2

This number is the S.I.D. number (Shipment Identification Number) of the shipment. It is usually the Bill of Lading number, although it may be any number assigned by the vendor. The only requirement is that this number does not repeat for a period of one year. This number should be referenced on all shipping documents.

There are special considerations for ERS (Evaluated Receipt Settlement) vendors. While the above statements do hold true, there is the additional consideration that this number will be the reference number under ERS payments. The payments will be for the entire ASN.

If, for example, the vendor wants to be paid by the packing slip number then only one packing slip should be included with the ASN. The packing slip number will then be placed in the BSNO2 field as well as the packing slip reference segment. If multiple packing slips were included in the ASN then all would be paid under the packing slip number in the BSNO2 field.

ITA Segment

The ITA segment is an optional segment. It is only required for ERS vendors if there are miscellaneous charges which require payment. The charges should be attached at the item level if possible. ArvinMeritor will accept charges at the shipment level.

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APPENDIX 'C'

CHARGE AND CONTAINER CODES

<u>CODE</u>	<u>DESCRIPTION</u>
BAG	Bag
BAL	Bale
BBL	Barrel
BDL	Bundle
BEM	Beam
BIC	Bing chest
BIN	Bin
BLK	Bulk
BOB	Bobbin
BOX	Box
BRG	Barge
BSK	Basket or hamper
BXI	Box with inner container
BXT	Bucket
CAB	Cabinet
CAG	Cage
CAN	Can
CAR	Carrier
CAS	Case
CBC	Containers of bulk cargo
CBY	Carboy
CCS	Can cases
CHE	Cheeses
CHS	Chest
CLD	Car load, rail
CNT	Container
COL	Coil
CON	Cones
COR	Core
CRD	Cradle
CRT	Crate
CSK	Cask
CTN	Carton
CYL	Cylinder
DBK	Dry bulk
DRK	Double length rack
DRM	Drum
DSK	Double length skid
DTB	Double length tote bin

ARVINMERITOR

APPENDIX 'C'

CHARGE AND CONTAINER CODES

<u>CODE</u>	<u>DESCRIPTION</u>
FIR	Firkin
FLO	Flo-bin
FRM	Frame
FSK	Flask
FWR	Forward reel
HED	Heads of beef
HGH	Hogshead
HPT	Hopper truck
HRB	On hanger or rack in boxes
HRK	Half standard rack
HTB	Half standard tote bin
JAR	Jar
KEG	Keg
KIT	Kit
KRK	Knockdown rack
KTB	Knockdown tote bin
LBK	Liquid bulk
LIF	Lifts
LOG	Log
LSE	Loose
LUG	Lug
L VN	Lift van
MRP	Multi-roll pack
NOL	Noil
PAL	Pail
PCK	Packed - not otherwise specified
PCS	Pieces
PIR	Pirns
PKG	Package
PLF	Platfonn
PLN	Pipeline
PL T	Pallet
POV	Private vehicle
PRK	Pipe rack
QTR	Quarter of beef

ARVINMERITOR

APPENDIX 'C'

CHARGE AND CONTAINER CODES

<u>CODE</u>	<u>DESCRIPTION</u>
RAL	Rail (semi-conductor)
RCK	Rack
REL	Reel
ROL	Roll
RVR	Reverse reel
SAK	Sack
SHK	Shook Side of beef
SKD	Skid
SKE	Skid, elevating or lift truck SL V Sleeve
SPI	Spin cylinders
SPL	Spool
TBE	Tube
TBN	Tote bin
TKT	Tank truck
TLD	Intermodal trailer/container load (rail)
TNK	Tank
TRC	Tierce
TRK	Trunk and chest
TRY	Tray
TSS	Trunk, salesmen sample
TUB	Tub
UNP	Unpacked
UNT	Unit
VEH	Vehicles
VPK	Van pack
WHE	On own wheel
WLC	Wheeled carrier
WRP	Wrapped

ARVINMERITOR

APPENDIX 'C'

CHARGE AND CONTAINER CODES - PART 2

<u>CODE</u>	<u>DESCRIPTION</u>
01	Aluminum
04	As specified by the DOT
07	Burlap
10	Chemically hardened fiber
13	Cloth
16	Cloth top
19	Cloth or fabric
22	Compressed
25	Corrugated or solid
28	Double-wall paper
31	Fiber
34	Fiber (paperboard)
37	Fiberboard
40	Fiberboard metal
43	Glass
46	In inner containers
49	Insulated
51	Wire mesh
52	Iron or steel
53	Jumbo
54	Special jumbo
55	Lead
58	Metal
59	Metal cans
61	Moisture resistant
64	Molded plastic
67	Multiple wall paper (2 or more walls)
70	Multiple wall paper (3 or more walls)
71	Not otherwise specified
73	Other than glass
74	Other than metal, plastic tubes or glass
76	Paper
79	Plastic
80	Polyethylene lined
82	Pulp board
85	Rubber
88	Rubber and fabric
89	Special
90	Standard
91	Stainless steel
92	Tubes, metal or plastic
94	Wood

**ARVINMERITOR
APPENDIX 'C'
MISCELLANEOUS CHARGE CODES**

<u>CODE</u>	<u>DESCRIPTION</u>
AC	Acid (battery)
AF	Affidavit
BH	Buyer hand carry
BI	Bill and hold
CI	Shipper load and count
CA	Cataloging services
CH	Cut and parallel
CI	Cut
CN	Combination performance and non-performance
CS	Cigarette stamping
CT	Count and recount
CU	Consignee unload
CZ	Cable pressurization
DI	One-day service
D2	Two-day service
DL	Delivery
DS	Designated supplier inspection
EG	Engraving
EN	Enclosure
EU	Exclusive use of equipment
F1	Full service
FG	Free goods
FS	Floor stock protection
GI	Group items (Indicates the pricing for this line is related to the pricing of some other item either on this invoice or some other prior invoices.)
GP	Gas pressure
GU	Guaranteed inspection technical service
H1	Temperature protection
HC	Handling service
HH	Hoisting and hauling
HS	Hauling and hoisting
IC	Inside cable
ID	Inside Delivery
IG	Invoice with goods
IM	Inspect at destination
IN	Insurance
IO	Inspect at origin
IR	Installation and training
IS	Invoice services
IT	In transit price protection
KO	Koshering

ARVINMERITOR

APPENDIX 'C'

MISCELLANEOUS CHARGE CODES

<u>CODE</u>	<u>DESCRIPTION</u>
L1	Shipper load, carrier count
LA	Labeling
MI	Mail invoice
ML	Mail invoice to each location
NC	Notify consignee before delivery
OA	Outside cable connectors
PA	Pack invoice with shipment
PB	Previous billing
PC	Packaging service
PE	Pulling eyes
PF	Proof and composition
PL	Palletizing
S1	Shipper load, consignee unload
S2	Slip sheet, truck
S3	Seller hand carry
SD	Shrinkage allowance
SG	Same day service
SH	Special handling service
SJ	Subject to tax on resale
SR	Slip sheet, rail
SU	Set-up
SW	Swell
TI	One time tooling
TC	Ticketing service
TE	Tendered as truckload
TO	Tooling
UN	Unitized
US	USDA inspected, stamping certification
VI	Drop yard
V2	Drop dock
WH	Warehousing
XP	Expanded service
YY	Split pickup
ZZ	Mutually defined
A0010	Alterations
A0020	Anneal/heat (steel or glass treatment)
A0030	Art work
B0020	Black lung tax
B0040	Burning

ARVINMERITOR

APPENDIX 'C'

MISCELLANEOUS CHARGE CODES

<u>CODE</u>	<u>DESCRIPTION</u>
C0012	Capping
C0032	Coating (dip, rustproof, EDP)
C0036	Certificate of conformance
C0038	Certificate of origin
D0020	Determined freight
D0024	Layout/design
D0031	Driver assisted unloading
E0030	Exclusive use
G0010	Grinding
G0052	Government inspection
I0012	Installation
I0013	Installation and warranty
I0021	Inspection
I0022	Identification
M0010	Memo returnable container
M0042	Mounting
N0020	Non-returnable containers
N0032	Notarized affidavit
P0012	Painting (primer or finish)
P0014	Phosphatizing (steel treatment)
P0016	Pickle and oil
P0018	Plating
P0022	Preparation
R0072	Repair
R0076	Returnable container
R0110	Rework
S0014	Shearing
S0016	Shot blasting
S0022	Sleeving
S0024	Ship to stock quality audit
S0050	Special packaging
S0052	Stamping
S0054	Source inspection
S0056	Strapping
S0080	Supplemental items
T0070	Tools to printing
W0010	Warranties
X0010	Combine all same day shipment

ARVINMERITOR

APPENDIX 'D'

SHIP TO DUNS (CVS/CVA processed unless otherwise noted)

ArvinMeritor, Inc. Commercial Vehicle Systems Division

<u>Plant</u>	<u>DUNS</u>	<u>Division</u>	<u>ERP</u>
Arden, NC	086426082	CVS	Oracle
Asheville - Fletcher, NC	057174658	CVS	Oracle
Carrollton, KY	059564385	CVS	Mfg/PRO**
Corporate HQ - Troy, MI	052354297	CVS	ALL
Florence, KY	030953426	CVA	AS400
Forest City, NC	127750425	CVS	Oracle
Franklin, KY	006379002	CVS	Mfg/PRO**
Frankfort Trailer, KY	043190110	CVS	Oracle
Frankfort Brake, KY	603569794	CVS	Oracle
Laurinburg Brake - Maxton, NC	192361681	CVS	Oracle
Laurinburg Axle - Maxton, NC	19236168A	CVS	Oracle
Manning, SC - Driveline	068166453	CVS	Oracle
Manning, SC - Brakes	556378979	CVS	Oracle
Morristown, TN	095047825	CVS	Oracle
Newark - Heath, OH	004289450	CVS	CAS ¹
Plainfield, IL	P50204002	CVA	AS400
Portland - Driveline	065219339	CVS	Oracle
St Thomas - Driveline	200120769	CVS	Oracle
Tilbury, ON, CA	207558495	CVS	Oracle
Wabco - Hebron, KY	613487834	CVS	SAP
York Heritage Brake, SC	045297967	CVS	Oracle
York NA Foundation Brake, SC	780969007	CVS	Oracle

CAS¹ - Newark - Oracle launch planned February 2008.

Mfg/PRO** - Supplier 830s and 856s handled by LVS EDI Team.