

**ArvinMeritor**  
**Commercial Vehicle Systems**

**EDI 830**  
**IMPLEMENTATION GUIDE**

# ArvinMeritor

## EDI Implementation Guide

### Table of Contents

Contents	2
Link to CVS Business Process Guide	3
X12 Hierarchy	4
X12 830 Supplier Release	7
X12 997 Functional Acknowledgment	22
X12 830 Example	28

Please review the Supply Chain Systems Information **CVS Business Process Guide** for details regarding plant information (i.e. DUNS), communication, ISA/GS examples, etc.:

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

# APPENDIX A

## ARVINMERITOR SUPPORTED X12 FORMATS

### ASC X12 HIERARCHY

ISA Interchange Control Header

---

GS Functional Group Header

---

ST Transaction Set Header

---

Supplier Release Transaction Set

---

SE Transaction Set Trailer

---

ST Transaction Set Header

---

Supplier Release Transaction Set

---

SE Transaction Set Trailer

---

GE Functional Group Trailer

---

GS Functional Group Header

---

ST Transaction Set Header

---

SE Transaction Set Trailer

---

GE Functional Group Trailer

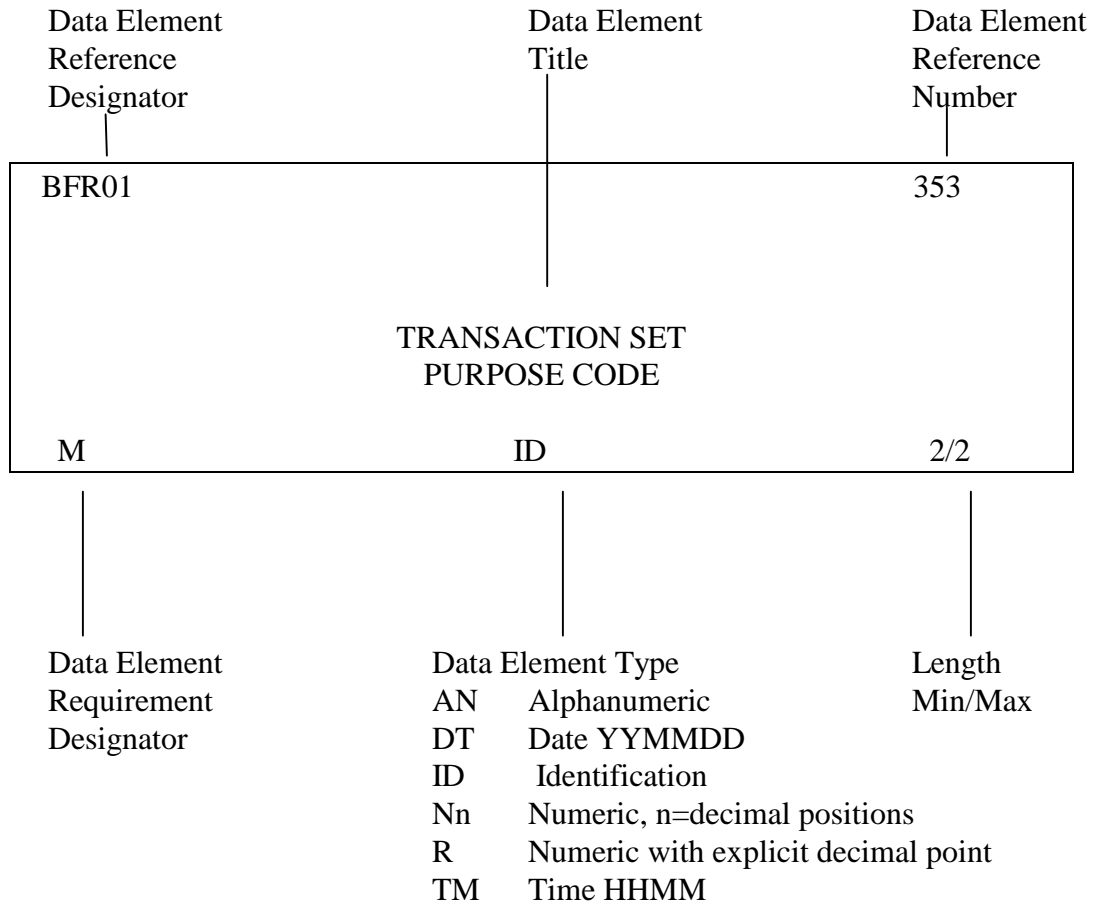
---

IEA Interchange Control Trailer

# ARVINMERITOR

## ASC X12 Transactions Mapping Version 002002

### DESCRIPTION OF DATA ELEMENT DIAGRAMS



**ARVINMERITOR**  
**ASC X 12 SUPPLIER RELEASE MAPPING**  
**Transaction Code 830**

**Supplier Release Hierarchy**

---

ISA Interchange Control Header Segment  
GS Functional Group header

---

SUPPLIER RELEASE

---

ST Start Transaction Segment  
BFR Begin forecast  
N1 Supplier ID

---

Line Items

---

LIN Part number Identification  
UNT Unit of measure  
N1 Ship to location  
N1 Ship from location  
SDP Ship delivery requirement - forecast  
FST Forecast date and quantities  
SHP Shipped and received information

---

---

CTT Transaction Totals  
SE End Transaction

---

---

GE Functional Group Trailer  
IEA Interchange Control Trailer

---

**ARVINMERITOR**  
**ASC X12 Supplier Release Mapping Version 002002**  
**Transaction Code 830**

**Interchange Control Header**

<b>ISA</b>	<b>ISA01</b>	<b>I01</b>	<b>ISA02</b>	<b>I02</b>	<b>ISA03</b>	<b>I03</b>	<b>ISA04</b>	<b>I04</b>	<b>ISA05</b>	<b>I05</b>	<b>ISA06</b>	<b>I06</b>
	<b>Authorization</b>	<b>Qualif</b>	<b>Authorization</b>	<b>Info</b>	<b>Security</b>	<b>Qualif.</b>	<b>Security</b>	<b>Info</b>	<b>Interchange</b>	<b>Qualif</b>	<b>Sender's</b>	<b>Network</b>
	<b>M</b>	<b>ID</b>	<b>2/2</b>	<b>M</b>	<b>AN</b>	<b>10/10</b>	<b>M</b>	<b>ID</b>	<b>2/2</b>	<b>M</b>	<b>AN</b>	<b>15/15</b>
	<b>Constant 00</b>		<b>Constant spaces</b>		<b>Constant 00</b>		<b>Constant spaces</b>		<b>Constant 01</b>		<b>Plant Duns</b>	

<b>ISA07</b>	<b>I05</b>	<b>ISA08</b>	<b>I07</b>	<b>ISA09</b>	<b>I08</b>	<b>ISA10</b>	<b>I09</b>	<b>ISA11</b>	<b>I10</b>	<b>ISA12</b>	<b>I11</b>
<b>Interch ID</b>	<b>Qualif</b>	<b>Receiver's</b>	<b>ID</b>	<b>Interchange</b>	<b>date</b>	<b>Interchange</b>	<b>time</b>	<b>Interch</b>	<b>Stand ID</b>	<b>Version</b>	<b>Number</b>
<b>M</b>	<b>ID</b>	<b>2/2</b>	<b>M</b>	<b>AN</b>	<b>15/15</b>	<b>M</b>	<b>DT</b>	<b>6/6</b>	<b>M</b>	<b>TM</b>	<b>6/6</b>
<b>Constant 01</b>		<b>Receiver Duns</b>		<b>YYMMDD</b>		<b>HHMM</b>		<b>Constant U</b>		<b>Constant 00200</b>	

<b>ISA 13</b>	<b>I12</b>	<b>ISA14</b>	<b>I13</b>	<b>ISA15</b>	<b>I14</b>	<b>ISA16</b>	<b>I15</b>	
<b>Interchange</b>	<b>control</b>	<b>Acknow</b>	<b>Requested</b>	<b>Test</b>	<b>Indicator</b>	<b>Subelement</b>	<b>separator</b>	
<b>M</b>	<b>N0</b>	<b>9/9</b>	<b>M</b>	<b>ID</b>	<b>1/1</b>	<b>M</b>	<b>ID</b>	<b>1/1</b>
<b>Sequentially assigned</b>			<b>0 = No</b>		<b>T = Test data</b>		<b>Character used as the</b>	
<b>number</b>			<b>1 = Yes</b>		<b>P = Production</b>			

**Example:**

**ISA\*\*00\*      \*00\*      \*01\*SENDER ID      \*01\*RECEVER ID**  
**\*YYMMDD\*HHMM\*U\*00200\*000000001\*1\*P\*!:**

**ARVINMERITOR**  
**ASC X 12 Supplier Release Mapping Versions 002002**  
**Transaction Code 830**

**Functional Group Header**

<b>GS</b>	<b>GS01</b> 479 <b>Functional ID</b> <b>Code</b> M ID 2/2	<b>GS02</b> 142 <b>Sender's</b> <b>applicant.</b> M AN 2/15	<b>GS03</b> 124 <b>Receiver's</b> <b>appl.</b> M AN 2/15	<b>GS04</b> 29 <b>Interch. Date</b> M DT 6/6	<b>GS05</b> 30 <b>Interch. Time</b> M TM 4/4	<b>GS06</b> 28 <b>Control No.</b> M NO 1/9
	<b>Constant PS</b>	<b>Sender's</b> <b>application</b> <b>name</b>	<b>Receiver's</b> <b>application</b> <b>name</b>	<b>YYMMDD</b>	<b>HHMM</b>	<b>Sequentially</b> <b>assigned No.</b>

<b>GS07</b> 479 <b>Responsible Agency</b> M ID 1/2	<b>GS08</b> 480 <b>Version/Release</b> M AN 1/12
<b>Constant X</b>	<b>002002</b>

**Example:**

**GS\*PO\*SENDER ID\*RECEIVER ID\*YYMMDD\*HHMM\*1\*X\*002002!**  
**GS\*PS\*SENDER ID\*RECEIVER ID\*YYMMDD\*HHMM\*1\*X\*002002!**

**ARVINMERITOR**  
**ASC X12 Supplier Release Mapping Version 002002**  
**Transaction Code 830**

**Start of transaction segment**

<b>ST</b>	<b>STO1</b> <b>143</b> <b>Transaction Set ID</b> <b>M</b> <b>ID</b> <b>3/3</b>	<b>STO2</b> <b>329</b> <b>Control number</b> <b>M</b> <b>NO</b> <b>4/9</b>
	<b>Constant 830</b>	<b>Sequentially assigned number</b>

**Example:**

**ST\*830\*0001!**

**ARVINMERITOR**  
**ASC X12 Supplier Release Mapping Version 002002**  
**Transaction Code 830**

**Beginning Supplier Release Segment**

<b>BFR</b>	<b>BFR01</b> <b>353</b> Purpose Code M    ID    2/2	<b>BFR03</b> <b>328</b> Release Number M    AN    6/6	<b>BFR04</b> <b>675</b> Forecast Type Qual. M    ID    2/2	<b>BFR05</b> <b>676</b> Forecast Qty Qual. M    ID    1/1
	<b>Constant 05</b>	<b>Release Number</b>	<b>DL - Delivery</b>	<b>A - Actual discrete</b>

<b>BFR06</b> <b>373</b> Date M    DT    6/6	<b>BFR07</b> <b>373</b> Date M    DT    6/6	<b>BFR08</b> <b>373</b> Date M    DT    6/6
<b>Horizon start date</b>	<b>Horizon end date</b>	<b>Release date</b>

**Example:**

**BFR\*05\*\*0123456\*DL\*A\*YYMMDD\*YYMMDD\*YYMMDD!**

**ARVINMERITOR**  
**ASC X12 Supplier Release Mapping Version 002002**  
**Transaction Code 830**

**Line identification detail**

<b>LIN</b>	<b>LIN01</b> <b>666</b> <b>Assigned</b> <b>Identification</b>	<b>LIN02</b> <b>235</b> <b>Product ID</b> <b>Qualifier</b>	<b>LIN03</b> <b>234</b> <b>Product ID</b>	<b>LIN04</b> <b>235</b> <b>Product ID</b> <b>Qualifier</b>	<b>LIN05</b> <b>234</b> <b>Product ID</b>
	<b>M</b> <b>ID</b> <b>1/6</b>	<b>M</b> <b>ID</b> <b>2/2</b>	<b>M</b> <b>AN</b> <b>1/23</b>	<b>M</b> <b>ID</b> <b>2/2</b>	<b>M</b> <b>AN</b> <b>1/23</b>
	<b>PO Line Number</b>	<b>PN = Part Number</b>	<b>ArvinMeritor part number</b>	<b>PO = Purchase Order</b>	<b>PO Number</b>

<b>LIN06</b> <b>235</b> <b>Product ID</b> <b>Qualifier</b>	<b>LIN07</b> <b>234</b> <b>Product ID</b>
<b>M</b> <b>ID</b> <b>2/2</b>	<b>M</b> <b>AN</b> <b>1/23</b>
<b>EC = Engineering Change Level</b>	<b>Engineering Change Level</b>

**Example:**

**LIN\*123\*PN\*123456Z1794R\*PO\*PO062110\*EC\*A!**

**ARVINMERITOR**  
**ASC X12 Supplier Release Mapping Version 002002**  
**Transaction Code 830**

**Item description segment**

<b>UNT</b>	<b>UNT01</b> <b>355</b> <b>Date/Time Qualifier</b> <b>M</b> <b>AN</b> <b>2/2</b>
	<b>EA = Each</b>

**Example:**

**UNT\*EA!**

**ARVINMERITOR**  
**ASC X12 Supplier Release Mapping Version 002002**  
**Transaction Code 830**

**Name and address segment for Ship to**

<b>N1</b>	<b>N101</b> <b>98</b> <b>Entity Identifier</b> M            ID    2/2	<b>N103</b> <b>66</b> <b>Data Element Qualifier</b> C            AN    1/2	<b>N104</b> <b>67</b> <b>Data Element ID</b> C            AN    2/17
	<b>Constant ST</b> <b>Indicates Ship to</b>	<b>Constant 92</b> <b>Indicates Buyer ID code</b>	<b>ArvinMeritor Plant code</b>

**Example: ArvinMeritor – Florence ship to code - 030953426**

**N1\*ST\*\*92\*030953426!**

**ARVINMERITOR**  
**ASC X12 Supplier Release Mapping Version 002002**  
**Transaction Code 830**

Name and address segment for Ship from

<b>N1</b>	<b>N101</b> <b>98</b> <b>Entity Identifier</b> <b>M</b> <b>ID</b> <b>2/2</b>	<b>N103</b> <b>66</b> <b>Data Element Qualifier</b> <b>C</b> <b>AN</b> <b>1/2</b>	<b>N104</b> <b>67</b> <b>Data Element ID</b> <b>C</b> <b>AN</b> <b>2/17</b>
	<b>Constant SF</b> <b>Indicates Ship to</b>	<b>Constant 92</b> <b>Indicates Supplier ID code</b>	<b>Supplier Plant code (Duns)</b>

**Example:**

**N1\*SF\*\*92\*001316629!**

**ARVINMERITOR  
X12 Supplier Release Mapping  
Transaction Code 830**

**Ship and Delivery segment**

<b>SDP</b>	<b>SDP01            678</b> <b>Ship/Delivery</b> <b>M            ID    1/1</b>	<b>SDP02            679</b> <b>Ship/Delivery</b> <b>M            ID    1/1</b>
	<b>Pattern</b>	<b>Pattern time</b>

**Status Codes for element 678**

'A' -Monday - Friday

'M' -Immediately

'Z' -Mutually defined

**Status Codes for element 679**

'A' -First shift

'F' -As directed

'Z' -Mutually defined

**Example:**

**SDP\*Z\*Z!**

**ARVINMERITOR  
X12 Supplier Release Mapping  
Transaction Code 830**

**Forecast schedule segment**

<b>FST</b>	<b>FST01      380</b> <b>Quantity</b>	<b>FST02      680</b> <b>Forecast Qualifier</b>	<b>FST03      681</b> <b>Forecast Timing</b> <b>Qualifier</b>	<b>FST04      373</b> <b>Date</b>
	<b>M   N      7/7</b>	<b>M   ID      2/2</b>	<b>M   ID      2/2</b>	<b>M   DT      6/6</b>
	<b>(Qty Left justified)</b>	<b>Release Number</b>	<b>DL - Delivery</b>	<b>Delivery date</b>

**Status Codes for element 680**

- 'A' -Immediate
- 'C' -Firm
- 'D' -Planning

**Status Codes for element 681**

- 'D' -Daily
- 'W' -Weekly
- 'M' -Monthly
- 'F' -Flexible

**Example:**

**FST\*12000\*A\*D\*050916!**  
**FST\*303000\*C\*W\*051023!**  
**FST\*150000\*D\*M\*051123!**

**ARVINMERITOR  
X12 Supplier Release Mapping  
Transaction Code 830**

**Shipped/Received Segment**

<b>SHP</b>	<b>SHP01</b> <b>673</b> <b>Quantity Qualifier</b> <b>M</b> <b>ID</b> <b>2/2</b>	<b>SHP02</b> <b>380</b> <b>Quantity</b> <b>M</b> <b>R</b> <b>1/7</b>	<b>SHP03</b> <b>374</b> <b>Date/Time Qualifier</b> <b>M</b> <b>ID</b> <b>2/2</b>
	<b>01 - Discrete</b> <b>02 - Cumulative</b>	<b>Quantity (left Justified)</b>	<b>050 - Received on this date</b> <b>051 - Cumulative quantity</b>

<b>SHP04</b> <b>373</b> <b>Date</b> <b>M</b> <b>DT</b> <b>6/6</b>	<b>SHP06</b> <b>373</b> <b>Date</b> <b>M</b> <b>DT</b> <b>6/6</b>
<b>Cumulative start date</b> <b>YYMMDD</b>	<b>Cumulative end date</b> <b>YYMMDD</b>

**Example:**

**SHP\*01\*25000\*050\*050205!**

**SHP\*02\*32500\*051\*050205\*\*050328!**

**ARVINMERITOR  
X12 Supplier Release Mapping  
Transaction Code 830**

**Transaction Totals Segment**

<b>CTT</b>	<b>CTT01</b> <b>No. of Line Items</b> <b>O ID 3/3</b>	<b>354</b>	<b>CTT02</b> <b>Hash Total</b> <b>C R 1/10</b>	<b>347</b>
			<b>Cumulative forecaster</b>	

**Example:**

**CTT\*1\*1245!**

**ARVINMERITOR  
X12 Supplier Release Mapping  
Transaction Code 830**

**Transaction Set Trailer**

<b>SE</b>	<b>SE01</b> Number of Segments M            NO            1/6	<b>96</b>	<b>SE02</b> Control Number M            AN            4/9	<b>329</b>
	<b>Total No. of segments including the ST &amp; SE segments in this transaction</b>		<b>Sequentially assigned number must be the same as the number in ST02</b>	

**Example:**

**SE\*11\*0001!**

**ARVINMERITOR  
X12 Supplier Release Mapping  
Transaction Code 830**

**Functional Group Trailer Segment**

<b>GE</b>	<b>GE01            97</b> <b>No. of Transaction set</b> <b>M            NO            1/6</b>	<b>GE02            329</b> <b>Control Number</b> <b>M            AN            4/9</b>
	<b>Total No. of ST segments in the group</b>	<b>Sequentially assigned number must be the same as the number in GS06</b>

**Example:**

**GE\*1\*1!**

**ARVINMERITOR  
X12 Supplier Release Mapping  
Transaction Code 830**

**Interchange Control Trailer**

<b>IEA</b>	<b>IEA01</b> No. of Functional Groups M      NO      1/5	<b>I16</b> 1/5	<b>IEA02</b> Control Number M      AN      9/9	<b>I12</b> 9/9
	Total no. of GS segments in the transmission		Sequentially assigned number must be the same as the number in ISA13	

**Example:**

**IEA \*1\*000000001!**

**ARVINMERITOR  
ASC X12 FUNCTIONAL ACKNOWLEDGEMENT VERSION 002002  
TRANSACTION CODE 997**

**Interchange Control Header**

ISA	ISA01 Authorization M ID	I01 Qualif 2/2	ISA02 Authorization M AN	I02 Info 10/10	ISA03 Security M ID	I03 Qualif 2/2	ISA04 Security M ID	I04 Info 10/10	ISA05 Interch M ID	I05 Qualif 2/2	ISA06 Sender's M AN	I06 Network ID 15/15
	Constant 00		Constant spaces		Constant 00		Constant spaces		Constant 01		Sender Duns	

ISA07 Interch M ID	I05 ID Qualif. 2/2	ISA08 Receiver's M AN	I07 ID 15/15	ISA09 Interchange M DT	I08 Date 6/6	ISA10 Interchange M TM	I09 Time 6/6	ISA11 Interch M ID	I10 Stand ID 1/1	ISA12 Version M ID	I11 Number 5/5
Constant 01		Receiver's Duns		YYMMDD		HHMM		Constant U		Constant 00200	

ISA13 Interchange M NO	I12 control 9/9	ISA14 Acknow M ID	I13 Requested 1/1	ISA15 Test M ID	I14 Indicator 1/1	ISA16 Subelement M ID	I15 separator 1/1
Sequentially assigned number		0 = No 1 = Yes		T = Test data P = Production		Character used as the subelement sep.	

**Example:**

ISA\*00\*      \*00\*      \*ZZ\*SENDER ID    \*ZZ\*RECEIVER ID    \*YYMMDD\*HHMM\*U\*00201\*00000004\*1\*T\*:!

**ARVINMERITOR  
ASC X12 FUNCTIONAL ACKNOWLEDGEMENT VERSION 002002  
TRANSACTION CODE 997**

**Functional Group Header**

<b>GS</b>	<b>GS01 479</b> <b>Functional ID Code</b> M ID 2/2	<b>GS02 142</b> <b>Sender's applicant</b> M AN 2/15	<b>GS03 124</b> <b>Receiver's appl</b> M AN 2/15	<b>GS04 29</b> <b>Interch. Date</b> M DT 6/6	<b>GS05 30</b> <b>Interch. Time</b> M TM 4/4	<b>GS06 28</b> <b>Control No.</b> M NO 1/9
	Constant "FA"	Sender's application name	Receiver's application name	YYMMDD	HHMM	Sequentially assigned number

<b>GS07 455</b> <b>Responsible Agency</b> M ID 1/2	<b>GS08 480</b> <b>Version/Release</b> M AN 1/12
Constant "X"	002002

**Example:**

**GS\*FA\*SENDERS ID\*RECEIVERS ID\*YYMMDD\*HHMM\*4\*X\*002002!**

**ARVINMERITOR**  
**ASC X12 FUNCTIONAL ACKNOWLEDGEMENT VERSION 002002**  
**TRANSACTION CODE 997**

**Start of transaction segment**

<b>ST</b>	<b>STO1            143</b> <b>Transaction Set ID</b> <b>M            ID    3/3</b>	<b>STO2            329</b> <b>Control Number</b> <b>M            NO   4/9</b>
	<b>Constant 997</b>	<b>Sequentially assigned number</b>

**Example:**

**ST\*997\*0002!**

**ARVINMERITOR  
ASC X12 FUNCTIONAL ACKNOWLEDGEMENT VERSION 002002  
TRANSACTION CODE 997**

**Functional Group Response Header**

<b>AK1</b>	<b>AK101</b> <b>479</b> <b>Functional ID Code</b> <b>M</b> <b>ID</b> <b>2/2</b>	<b>AK102</b> <b>28</b> <b>Control Number</b> <b>M</b> <b>NO</b> <b>1/9</b>
	<b>IN = Invoice Ack</b> <b>PO = Supplier Release Ack</b>	<b>Assigned Control Number</b>

**Example:**  
**AK1\*IN\*1!**

**Transaction Set Response Header**

<b>AK2</b>	<b>AK201</b> <b>479</b> <b>Transaction Set ID Code</b> <b>M</b> <b>ID</b> <b>3/3</b>	<b>AK102</b> <b>329</b> <b>Trans Set Control No</b> <b>M</b> <b>NO</b> <b>4/9</b>
	<b>830 = Supplier Release Ack</b>	<b>Number in ST02 which this Ack refers to</b>

**Example:**  
**AK2\*830\*0002!**

**Transaction Set Respond Trailer**

<b>AK5</b>	<b>AK501</b> <b>717</b> <b>Trans Set Ack Code</b> <b>M</b> <b>ID</b> <b>1/1</b>
	<b>A = Accepted</b> <b>E = Accepted with errors</b> <b>R = Rejected</b>

**Example:**  
**AK5\*A!**

**ARVINMERITOR  
ASC X12 FUNCTIONAL ACKNOWLEDGEMENT VERSION 002002  
TRANSACTION CODE 997**

**Functional Group Response Trailer**

<b>AK9</b>	<b>AK901    715</b> <b>Functional Grp</b> <b>Acknowl Code</b> <b>M    ID    1/1</b>	<b>AK902    97</b> <b>No. Included</b> <b>Sets</b> <b>M    NO   1/6</b>	<b>AK903    123</b> <b>No. Received</b> <b>Sets</b> <b>M    NO   1/6</b>	<b>AK904    2</b> <b>No. Accepted</b> <b>Sets</b> <b>M    NO   1/6</b>
	<b>A = Accepted</b> <b>E = Accepted with errors</b> <b>P = At least one transaction set was rejected</b> <b>R = Rejected</b>			

**Example:**

**AK9\*A\*2\*2\*2!**

**End of Transaction Segment**

<b>SE</b>	<b>SE01            96</b> <b>No. of Segments</b> <b>M    NO    1/6</b>	<b>SE02            329</b> <b>Control No.</b> <b>M        AN    4/9</b>
		<b>Equal to ST02</b>

**Example:**

**SE\*6\*0002!**

**End of Functional Group**

<b>GE</b>	<b>GE01            97</b> <b>No. of Trans Sets</b> <b>M    NO    1/6</b>	<b>GE02            28</b> <b>Control No.</b> <b>M        AN    1/9</b>

**Example:**

**GE\*1\*4!**

**ARVINMERITOR  
ASC X12 FUNCTIONAL ACKNOWLEDGEMENT VERSION 002002  
TRANSACTION CODE 997**

**End of Transmission Segment**

<b>IEA</b>	<b>IEA01</b>	<b>I16</b>	<b>IEA02</b>	<b>I12</b>
	<b>No. of Groups</b>		<b>Control No.</b>	
	<b>M NO</b>	<b>1/5</b>	<b>N AN</b>	<b>9/9</b>

**Example:**

**IEA\*1\*000000004!**

**ARVINMERITOR  
830 MATERIAL RELEASES**

**EXAMPLE**

ISA\* \*00\* 09\*052354297 \*01\*001316629 \*050212\*213  
1\*U\*00200\*000000001\*0\*P\*\*!  
GS\*PS\*052354297\*001316629\*050212\*2136\*000000001\*X\*00200!  
ST\*830\*0001!  
BFR\*05\*001\*DL\*A\*050212\*050830\*050212!  
N1\*SU\*\*92\*001316629!  
LIN\*123\*PN\*2240Y4211\*PO\*P00041365\*EC\*A!  
UNT\*EA!  
N1\*ST\*\*92\*030953426! ← ArvinMeritor plant Duns number  
N1\*SF\*\*92\*A0012345! ← Vendor code used to identify you  
SDP\*Z\*Z!  
FST\*15211\*A\*M\*051206!  
FST\*35000\*C\*M\*050102!  
FST\*35000\*C\*M\*050206!  
FST\*35000\*C\*M\*050306!  
FST\*35000\*D\*M\*050403!  
FST\*35000\*D\*M\*050503!  
FST\*35000\*D\*M\*050603!  
SHP\*01\*220000\*050\*050120!  
SHP\*02\*100000\*051\*050116\*\*050328!  
CTT\*1\*155211!  
SE\*18\*0001!  
GE\*1\*000000001!  
IEA\*1\*000000001!