

830 Material Release



Dayco Products, LLC.
North America Division

ANSI ASC X12 4010
Version: 1.0
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Change Control

Version ID	Date of Update	Updated By:	Description of Version and Change
2015001	10/01/15	Evelyn Herrick	Initial Deployment of this document.
2018001	02/14/18	Evan Meyer	Changes resulting from ERP Migration to CMS: <ol style="list-style-type: none"> 1. BFR04 - removed DL as an option leaving only SH. BFR05 - changed from C to A. 2. LIN06/07 - added Eng. Change Level as optional. 3. FST01 - changed cumulative to discrete QTY. 4. Updated 830 example and example segments to reflect the changes made. 5. Removed "Dayco N.A. Helpdesk" from contacts.
2018002	05/23/18	Evan Meyer	Additional changes resulting from ERP Migration to CMS: <ol style="list-style-type: none"> 1. BFR04 - added DL and removed SH. All schedules will be Delivery Based. 2. FST03 - include D (daily) as forecast schedule option. 3. SHP – added another occurrence of the shipped/received information segment for last receipt quantity and date. 4. REF – added reference segment to include the last shipment ID received. 5. Updated 830 example and example segments to reflect the changes made. 6. Updated the Business Process Data Content section.
2018003	07/19/18	Evan Meyer	Corrected the description associated with SHP03 and SHP04 within the SHP segment for the Starting CUM.
2018004	07/25/18	Evan Meyer	Changes to allow both DL (delivery based) and SH (Shipment based) for BFR04 schedule type.



Standards Overview

This Draft Standard for Trial Use contains the format and establishes the data contents of the Planning Schedule with Release Capability Transaction Set (830) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business practice relative to the transfer of forecasting/material release information between organizations.

Business Overview

EDI provides many benefits to support your business in achieving its objectives. EDI reduces paperwork (forms handling), data entry labor costs, printing costs, and postage costs. EDI drives out inefficiencies in the business process. Organizations choosing EDI should consider that the full benefits are only received when both parties fully integrate the EDI data into their application systems.

Business Processing - Data Content

- ❖ Dayco will create Material Releases based upon demand from Dayco's customers.
- ❖ The releases will be used to communicate both firm and planning requirements.
- ❖ Releases will be available on a schedule that your buyer has defined for your supplier code. This may be daily or weekly.
- ❖ When a Dayco trading partner retrieves their releases, Dayco requires that the trading partner transmits a 997 Functional Acknowledgement back to confirm receipt of releases.
- ❖ **The 997 Functional Acknowledgement must be transmitted to Dayco within 24 hours of receiving the 830 Material Release.**



Additional Information

Testing Procedure: Additional information regarding EDI Startup and Testing Procedures with *Dayco Products LLC* is available in the Dayco EDI implementation guide.

Codes: All acceptable codes required to implement the 830 Material release and other transaction sets, have been consolidated into an appendix document. Please contact edisupport@dayco.com

Contacts

EDI Certification:

Dayco EDI Support Team – edisupport@dayco.com

Business Relations:

Please contact your Plant or Dayco Buyer

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Material Release

Functional Group=PS

This Draft Standard for Trial Use contains the format and establishes the data contents of the Planning Schedule with Release Capability Transaction Set (830) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business practice relative to the transfer of forecasting/material release information between organizations.

Headers:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ISA	Interchange Control Header	M	1			Must use
0200	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
100	ST	Transaction Set Header	M	1			Must use
200	BFR	Beginning Segment for Planning Schedule	M	1			Must use

<u>LOOP ID - N1</u>					<u>200</u>	<u>Must Use</u>
230	N1	Name	O	1		Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
<u>LOOP ID - LIN</u>					<u>>1</u>	<u>Must Use</u>	
0100	LIN	Item Identification	M	1			Must use
0200	UIT	Unit of Measure	O	1			Must use
<u>LOOP ID - LIN/SDP</u>					<u>260</u>	<u>Must Use</u>	
0450	SDP	Ship/Delivery pattern	O	1			Must use
0460	FST	Forecast schedule	O	260			Must use
<u>LOOP ID - LIN/SHP</u>					<u>25</u>	<u>Must Use</u>	
0470	SHP	Shipped/received Information	O	1			Must use
0480	REF	Reference Identification	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
<u>LOOP ID - CTT</u>					<u>1</u>	<u>Must Use</u>	
010	CTT	Transaction Totals	M	1			Must use

Trailers:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	GE	Functional Group Trailer	M	1			Must use
020	IEA	Interchange control Trailer	M	1			Must use



The following is an example 830. All supplier mapping and set up should be based on the 830 Specs and not this example transaction.

Example:

```
ISA*00*      *00*      *01*150148617  *ZZ*XXXXXXXXXX  *180209*1300*U*00401*180000001*0*P*>~
GS*PS*150148617*XXXXXXXXXX*20180209*1300*180000001*X*004010~
ST*830*8300001~
BFR*05**180209*DL*A*20180209**20180209~
N1*SF*SUPPLIER NAME*92*123456~
N1*ST*DAYCO PRODUCTS - SPRINGDALE*92*112~
LIN*1*BP*AA1234*PO*112000165*EC*A~
UIT*EA~
SDP*N*F~
FST*100*C*D*20180212~
FST*0*C*D*20180213~
FST*0*C*D*20180214~
FST*50*C*D*20180215~
FST*0*C*D*20180216~
FST*200*D*W*20180219~
FST*400*D*W*20180226~
FST*400*D*W*20180305~
FST*450*D*W*20180312~
FST*0*D*W*20180319~
FST*400*D*W*20180326~
FST*0*D*W*20180402~
FST*400*D*W*20180409~
FST*0*D*W*20180416~
FST*300*D*W*20180423~
FST*300*D*W*20180430~
FST*0*D*W*20180507~
FST*425*D*W*20180514~
FST*1600*D*W*20180709~
FST*1600*D*W*20180806~
SHP*01*12000*050*20180122~
REF*SI*1234567ABC~
SHP*02*12000*051*20180122~
LIN*2*BP*BB1234*PO*112000187*EC*B~
UIT*EA~
SDP*N*F~
FST*0*C*D*20180212~
FST*0*C*D*20180213~
FST*50*C*D*20180214~
FST*0*C*D*20180215~
FST*0*C*D*20180216~
FST*150*D*W*20180312~
FST*175*D*W*20180409~
SHP*01*100*050*20180129
REF*SI*1234568XYZ~
SHP*02*3500*051*20180129
CTT*2~
SE*45*8300001~
GE*1*180000001~
IEA*1*180000001~
```



Segment:	ISA Interchange Control Header
Level:	Header
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To start and identify an interchange of zero or more functional groups and interchange-related control segments
Example:	ISA*00* *00* *01*150148617 *01*123456789 *1800209*1300*U*00401*180000001*0*P

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier Code to identify the type of information in the Authorization Information All valid standard codes are used.	M	ID	2/2	Must use
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)	M	AN	10/10	Must use
ISA03	I03	Security Information Qualifier Code to identify the type of information in the Security Information All valid standard codes are used.	M	ID	2/2	Must use
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)	M	AN	10/10	Must use
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 All valid standard codes are used.	M	ID	2/2	Must use
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	Must use
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	M	ID	2/2	Must use
		Code 01		Name Duns (Dun & Bradstreet)		



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	Must use
ISA09	I08	Interchange Date Date of the interchange	M	DT	6/6	Must use
ISA10	I09	Interchange Time Time of the interchange	M	TM	4/4	Must use
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 All valid standard codes are used.	M	ID	1/1	Must use
ISA12	I11	Interchange Control Version Number Code specifying the version number of the interchange control segments	M	ID	5/5	Must use
		Code Name 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1)	M	ID	1/1	Must use
		Code Name 0 No Acknowledgment Requested				
ISA15	I14	Usage Indicator Code to indicate whether data enclosed by this interchange envelope is test, production or information All valid standard codes are used.	M	ID	1/1	Must use
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		1/1	Must use



Segment:	GS Functional Group Header
Level:	Header
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	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
Semantic:	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.
Example:	GS*PS*150148617*123456789*20180209*1300*180000001*X*004010

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code Code identifying a group of application related transaction sets	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> PS Material Release (830)				
GS02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	Application Receiver's Code Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS04	373	Date Date expressed as CCYYMMDD	M	DT	8/8	Must use
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	Must use
GS06	28	Group Control Number Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	Responsible Agency Code Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 All valid standard codes are used.	M	ID	1/2	Must use
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.	M	AN	1/12	Must use
		<u>Code</u> <u>Name</u> 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				



Segment:	ST Transaction Set Header
Level:	Header
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To Indicate the start of a transaction set and to assign a control number
Semantic:	The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate set definition
Example:	ST*830*8300001

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M	ID	3/3	Must use
		<u>Code</u> <u>Name</u> 830 Material Release				
ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use



Segment:	BFR Beginning Segment for Material Release
Level:	Header
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of the Material Release Transaction Set Whether a ship or delivery based forecast and related forecast envelope dates
Syntax:	1: R0203 – At least one of BFR02 or BFR03 is required
Semantic:	1: BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins 2: BFR08 is the date forecast generated
Example:	BFR*05**180209*DL*A*20180209**20180209 BFR*05**180209*SH*A*20180209**20180209

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
BFR01	353	Transaction set Purpose Code Code identifying purpose of transaction set	M	ID	2/2	Must use						
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>05</td> <td>Replacement</td> </tr> <tr> <td>12</td> <td>Test</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	05	Replacement	12	Test				
<u>Code</u>	<u>Name</u>											
05	Replacement											
12	Test											
BFR03	328	Release Number Number Identifying a release against a purchase order	X	AN	1/30	Must use						
BFR04	675	Schedule type qualifier Code identifying the types of dates used	M	ID	2/2	Must use						
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>DL</td> <td>Delivery Based</td> </tr> <tr> <td>SH</td> <td>Shipment Based</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	DL	Delivery Based	SH	Shipment Based				
<u>Code</u>	<u>Name</u>											
DL	Delivery Based											
SH	Shipment Based											
BFR05	676	Schedule quantity Qualifier Code identifying the type of quantities used in the FST segment	M	ID	1/1	Must use						
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Actual Discrete Quantities</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	A	Actual Discrete Quantities						
<u>Code</u>	<u>Name</u>											
A	Actual Discrete Quantities											
BFR06	373	Date Date expressed as CCYYMMDD	M	DT	8/8	Must use						
		Note: Horizon start date										
BFR08	373	Date Date expressed as CCYYMMDD	M	DT	8/8	Must use						
		Note: Release date										



Segment:	N1 Name
Level:	Header
Loop:	N1 REPEAT: 200
Usage:	Mandatory
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax:	1: R0203 – At least one of N102 or N103 is required 2: P0304 – If either N103 or N104 is present, then the other is required
Example:	N1*SF*SUPPLIER NAME*92*123456 N1*ST*DAYCO PRODUCTS – SPRINGDALE*92*112

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use
		Code Name				
		ST Ship To				
		SF Ship From				
N102	93	Name Free-form name	X	AN	1/60	Optional
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X	ID	2/2	Must use
		Code Name				
		92 Plant Code or Vendor Code				
N104	67	Identification Code Code identifying a party or other code	X	AN	3/5	Must use
		<i>Note: Vendor Code – Assigned by Dayco Buyer Plant Code – Assigned by Dayco Buyer</i>				



Segment:	LIN Item Identification
Level:	Detail
Loop:	LIN REPEAT: >1
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic item identification data
Syntax:	1 P0405 - If either LIN04 or LIN05 is present, then the other is required.
Example:	LIN*1*BP*BB1234*PO*112000187*EC*B

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN01	350	Assigned Identification Line Number	O	AN	1/20	Must use
LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> BP Buyer's Part Number				
LIN03	234	Product/Service ID Identifying number for a product or service	M	AN	1/48	Must use
LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID	X	ID	2/2	Must use
		<u>Code</u> <u>Name</u> PO Purchase Order Number				
LIN05	234	Product/Service ID Identifying number for a product or service	X	AN	1/48	Must use
LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID	X	ID	2/2	Used
		<u>Code</u> <u>Name</u> EC Engineering Change Level				
LIN07	234	Product/Service ID Identifying number for a product or service	X	AN	1/48	Used



Segment:	UIT Unit of Measure
Level:	Detail
Loop:	LIN
Usage:	Mandatory
Max Use:	1
Purpose:	To specify the item unit data
Example:	UIT*EA

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UIT01	355	Unit of Measure code	M	ID	2/2	Must use

Note:
Use any acceptable code in the ASC X12
Data Element Dictionary.



Segment:	SDP Delivery Pattern
Level:	Detail
Loop:	LIN/SDP
Usage:	Mandatory
Max Use:	1
Purpose:	To specify delivery pattern
Example:	SDP*N*F

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDP01	678	Delivery Type Code identifying type delivery	M	ID	1/1	Must use
		<u>Code</u> <u>Name</u> N As directed				
SDP02	679	Delivery Pattern Code Code identifying the delivery pattern	M	ID	1/1	Must use
		<u>Code</u> <u>Name</u> F As directed				



Segment:	FST Forecast Schedule
Level:	Detail
Loop:	LIN/FST REPEAT: >1
Usage:	Mandatory
Max Use:	1
Purpose:	To specify the forecasted dates and quantities
Set Notes:	At least one occurrence of segment FST is required, either in the FST loop or within the SDP loop
Comments:	As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecasted bucket (weekly, monthly, quarterly etc.) or the start date of a flexible interval
Example:	FST*1000*C*D*20180212 FST*1025*C*D*20180213 FST*0*C*D*20180214 FST*900*C*D*20180215 FST*0*D*D*20180216 FST*3000*D*W*20180219 FST*3500*D*W*20180226 FST*12000*D*M*20180305

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FST01	380	Quantity Actual discrete quantity required	M	R	1/15	Must use
FST02	680	Forecast Qualifier Forecast type	M	R	1/1	Must use
		<u>Code</u> <u>Name</u>				
		C Firm				
		D Planning				
FST03	681	Forecast Period Code specifying interval grouping of the forecast	M	ID	1/1	Must use
		<u>Code</u> <u>Name</u>				
		D Discrete Daily				
		W Weekly Bucket				
		M Monthly Bucket				
FST04	373	Date Date expressed as CCYYMMDD	M	DT	8/8	Must use



Segment:	SHP Shipped/received information
Level:	Detail
Loop:	LIN/SHP REPEAT: 25
Usage:	Mandatory
Max Use:	1
Purpose:	To specify shipment and/or receipt information
Syntax:	C0102 – if SHP01 is present then SHP02 is required L030405 – If SHP03 is present, then at least one of SHP04 or SHP05 is required C0403 - If SHP04 is present then SHP03 is required
Comments:	The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities and dates.
Example:	SHP*01*125*050*20180131 SHP*02*1500*051*20180131

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SHP01	673	Quantity qualifier	O	ID	2/2	Must use
		Code				
		01				Discrete Quantity
		02				Cumulative Quantity
SHP02	380	Quantity	X	R	1/15	Must use
		Numeric value of quantity				
SHP03	374	Date/Time qualifier		ID	3/3	Must use
		Code				
		050				Received (discrete) date
		051				Cumulative Quantity Start
SHP04	373	Date	X	DT	8/8	Must use
		Date expressed as CCYYMMDD				
		Note:				
		SHP04 is the last receipt date if SHP03 = 050 or the cumulative starting quantity as of the starting CUM date if SHP03 = 051.				



Segment:	REF Reference Numbers
Level:	Detail - Shipment
Loop:	LIN/SHP
Usage:	Optional
Max Use:	5
Purpose:	To specify identifying numbers.
Syntax:	If either REF01 or REF02 is present, then the other is required.
Example:	REF*SI*107605

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M	ID	2/2	Must use
		Code Name				
		SI Shipper's Identifying Number for Shipment (SID/ASN number)				
REF02	127	Reference Number Reference number as specified by the Reference Number Qualifier.	X	AN	1/30	Must use



Segment:	CTT Transaction totals
Level:	Summary
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set
Set Notes:	The number of line items (CTT01) is the accumulation of the number of LIN segments.
Example:	CTT*2

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items Total number of line items in the transaction set	M	N0	1/6	Must use



Segment:	SE Transaction Set Trailer
Level:	Summary
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Comment:	SE is the last segment of each transaction set.
Example:	SE*24*8300001

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use



Segment:	GE Functional Group Trailer
Level:	Summary
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of a functional group and to provide control information
Set Notes:	The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06
Example:	GE*24*18000001

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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	NO	1/6	Must use
GE02	28	Group Control Number Assigned number originated and maintained by the sender	M	NO	1/9	Must use



Segment:	IEA Interchange Control Trailer
Level:	Summary
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To define the end of an interchange of zero or more functional groups and interchange-related control segments
Example:	IEA*1*18000001

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number A control number assigned by the interchange sender	M	N0	9/9	Must use