



This manual is available at <https://web.pslsupp.ford.com/>

## **Ford Customer Service Division SDS (Supplier Direct Ship) EDI Manual**

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\* If a Segment and/or Element is listed in this manual, it is a required field for FCSD SDS EDI even if it has an Optional or Conditional Attribute according to ANSI X12, unless otherwise noted.

## FCSD SDS Purchase Order Schedule and Mailbox Availability

FCSD will place customer Purchase Orders in the Suppliers GEC Hub Mailbox **15** times daily Monday through Friday.

Load Times are as follows:

- |            |            |           |
|------------|------------|-----------|
| ✓ 6:20 AM  | ✓ 12:20 PM | ✓ 5:20 PM |
| ✓ 8:20 AM  | ✓ 1:20 PM  | ✓ 6:20 PM |
| ✓ 9:20 AM  | ✓ 2:20 PM  | ✓ 7:20 PM |
| ✓ 10:20 AM | ✓ 3:20 PM  | ✓ 8:20 PM |
| ✓ 11:20 AM | ✓ 4:20 PM  | ✓ 9:20 PM |

\* **All Emergency Orders with an activity code of (xx1 or xx2) received on or before 4:00PM EST must be shipped same day.**

\* **Suppliers are required to check their GEC Hub mailbox after each order load time to assure ample time to meet the FCSD Ship Standards.**

### Valid SCAC Codes for Track & Trace

#### SMALL PACK:

- ✓ FDEG - FedEx Ground
- ✓ FDE1 - FedEx Express (Air) Emergency
- ✓ FDE2 - FedEx Express 2<sup>nd</sup> Day (Economy Service) Emergency Shipments to Alaska and Hawaii

#### LTL:

- ✓ CTII - Central
- ✓ PJXI - PJAX
- ✓ YFSY - Yellow
- ✓ AACT - AAA Cooper
- ✓ VGDG - Vanguard

## Ford Single Point of Contact (SPOC) Support Services

**The Ford Single Point Of Contact (SPOC) Help Desk, is staffed 24/7.** SPOC will create and route tickets to the various EDI support teams within the Global Electronic Communications (GEC) Hub Service organization for EDI issues. SPOC is prepared to answer questions about systems and network availability after hours, holidays, and on weekends. Questions regarding specific EDI transactions and their content should be handled during working hours Monday - Friday 7:00 am to 4:30 pm EST when GEC Hub Services is available.

### **The GEC Hub services team will be able to assist you in the following areas:**

1. The availability of the GEC Hub mailbox system.
2. End-to-End communication line and connectivity problems between the supplier and the GEC Hub mailbox system.
3. Provide a reference point between suppliers and Ford Plants.
4. Provide interpretation of the Ford EDI guidelines.
5. Provide a copy of the Ford Corporate EDI guidelines through their website, <https://web.gsec.ford.com/> (Click "Specs" tab. This document is a sub-set with specific FCSD SDS requirements, which may differ from the Ford Corporate guidelines).
6. Provide Transaction Log tool through website (above) to help track data transmissions.
7. Assist new suppliers in the initial phases of sending and receiving data from Ford. (Connectivity and Syntax testing).

\* This document is a sub-set with specific FCSD requirements, which may differ from the Ford Corporate Guidelines.

The SPOC Help Desk phone number is: **(888) 317- 4957** or **(313) 317-4957**.

### **Establishing an EDI Connection to the GEC Hub**

1. Go to the GSEC Website located @ <https://web.gsec.ford.com>
2. Click on "Connection Requests"
3. Click on the "EDI Connection Request Form" link
4. Enter Supplier GSDB; Click 'Submit'
5. Check the supplier code listed under "New GSDB Connection Request"; Click 'Submit'
6. Complete Form; click 'Submit'

\* Please allow 1-8 business days to be contacted by a member of the Migration Team. This can vary depending on the number of requests in their queue. You will be contacted via phone or email. At that time, you will be assigned to one of our EDI Analysts, who will provide you with testing procedures.

### **EDI Coordinators:**

FCSD-NA: [FCSDEDI@Ford.com](mailto:FCSDEDI@Ford.com)  
FOC (Ford Of Canada): [FOCEDI@Butcherent.com](mailto:FOCEDI@Butcherent.com)

## Connectivity Methods

### VAN (Value Added Network) Connectivity Method

The method of connecting to the Ford GEC Hub requires the use of a VAN connection for EDI data transfers. The VAN provides services that are similar to that of an ANX Service Provider and MUST BE APPROVED by Ford Motor Company. The list of approved VAN's are as follows:

VAN Provider	Website
Covisint	<a href="http://www.covisint.com">www.covisint.com</a>
EDS*Elit	<a href="http://www.business-exchange.canada.eds.com/EDS_ELIT">www.business-exchange.canada.eds.com/EDS_ELIT</a>
GXS (GEIS)	<a href="http://www.gxs.com">www.gxs.com</a>
IBM	<a href="http://www.gxs.com">www.gxs.com</a>
iConnect	<a href="http://www.icconnect-corp.com">www.icconnect-corp.com</a>
Inovis	<a href="http://www.inovis.com">www.inovis.com</a>
Kleinschmidt	<a href="http://www.kleinschmidt.com">www.kleinschmidt.com</a>
Sterling Commerce	<a href="http://www.sterlingcommerce.com">www.sterlingcommerce.com</a>

### ANX (Advanced Network Exchange) Connectivity Method

The services are as follows:

1. ANX Service Provider (required)
2. IPSEC Security Service Provider (optional)
3. ANX Overseer Group (required)

The ANX Service Provider is responsible for providing the ANX circuit and router. Estimate approximately 60 days to get an ANX circuit installed once the circuit is ordered. Add an additional week for some of the post circuit installation implementation steps. This will include filling out and returning to Ford representatives some required documents for establishing a secure tunnel. There are several ANX Certified Service Providers (CSP). These providers typically charge a one-time installation service fee and a monthly ANX service fee w/access. Fees vary by provider. Please check with the CSP for pricing information.

The IPSEC Security Service Provider is responsible for providing additional hardware (if required), software and services for firewall and IPSEC security management. This service is only required if you chose to out-source this operation. The service provider typically charges a one-time IPSEC product installation fee and a monthly IPSEC service fee. Please check with your ANX Service Provider for details.

The ANX Overseer Group is responsible for enforcing the Service Level Agreement (SLA) and uptime requirements (99.965% network availability) of the ANX network. As a result, trading partners must pay a onetime fee along with an annual fee. Please reference the <http://www.anx.com/> website for pricing details.

### WAM (Web Access Module) Connectivity Method

Is the use of a public Internet connection for EDI data exchange. The WAM user utilizes a local ISP (Internet Service Provider) to access the GEC Hub through the Trading Partners.

The Trading Partner must select an Internet Service Provider. It does not matter what ISP is selected as Ford Motor Company has no guidelines or requirements for Internet Service Providers. Suppliers that are setup for the WAM access it via the Ford Supplier Network portal using a standard web browser (**Internet Explorer 5.5** or **Netscape 4.7**). The WAM allows a user to download their data one transaction at a time and upload their data one file at a time. The GEC Hub business team recommends the WAM be used for suppliers that send no more than 10 ASN's or documents daily and supply less than 20 parts. For those sending documents other than ASN's, document size should be limited to that WAM is **NOT** considered a fully integrated EDI solution for those suppliers that need to meet their Q1 ratings.

For more information on connectivity, reference the GSEC website <https://web.gsec.ford.com/> or for connectivity questions, please email [connect@ford.com](mailto:connect@ford.com).

## SDS ANSI X12 Required EDI Transactions

Direct Ship Suppliers communicating via EDI with FCSD North American Supply Chain are Required to adhere to the following ANSI X12/Ford EDI requirements.

### FCSD Supplier Direct Ship Ford/ANSI X12 Transaction Sets

<b>850 (FCSD to Supplier)</b>	<b>Purchase Order</b> (ver 002001) – Informs the supplier of new orders to be Direct Shipped to FCSD customers.
<b>824 (Supplier to FCSD)</b>	<b>FCSD Order Cancellation</b> (ver 003010) - Advises FCSD of order rejects that do not fit into the 865 transaction set. e.g.: Customers' not participating in a particular marketing program, customer order does not meet supplier minimum ship quantities, or a customer requested cancellation. Transmitting an 824 cancels the entire order.
<b>865 (Supplier to FCSD)</b>	<b>Purchase Order Amendment</b> (ver 002001) - Notifies FCSD of line item cancellations, shipment of replacing parts, or quantity changes.
<b>860 (FCSD to Supplier)</b>	<b>Purchase Order Amendment Acknowledgement</b> (ver 002001) - Acknowledges changes submitted from the supplier on an 865, PO Change Acknowledgement. A "06" code sent back on the 860 indicates the 865 was accepted; a "10" code indicates the 865 was rejected and requires immediate corrective action by the supplier.
<b>870 (Supplier to FCSD)</b>	<b>Order status (Promise Date)</b> (ver 003010) - Provides FCSD's customers with <b>accurate</b> ship date information for each part <b>not shipped on time</b> .
<b>856 (Supplier to FCSD)</b>	<b>Advance Shipping Notice</b> (ver 002002FORD) - Provides FCSD with Shipment Confirmation of 850 Purchase Orders. (ASN's should be sent within 15 minutes of the shipment leaving the dock.)
<b>824 (FCSD to Supplier)</b>	<b>Application Advice</b> (ver 003010) - Advises supplier of rejects for previously submitted (856) ASN's. 824 error messages are triggered when the 856 data content does not match up to a specific 850 order. Error types are: Mismatch, Overship, Duplicate, Rejected Shipment (ASN with 01 purpose code), Part Source Error.
<b>997 (FCSD to Supplier &amp; Supplier to FCSD)</b>	<b>Functional Acknowledgement</b> (ver 002002) – When supplier sends a message to Ford, a syntax check is performed. A Functional Acknowledgement (997) will be sent immediately advising if the message was "accepted" or "rejected". Each 997 must be reconciled against each data message. If the 997 indicates that a message was "rejected", the supplier must investigate, and take corrective action. 997's do <b>NOT</b> check for correct data content against a specific order!
<b>861 (FCSD to Supplier)</b>	<b>Receipt Advise</b> (ver 002001) – An acknowledgement of receipt and payment to the supplier for TDS or Association shipments for Direct Ship. (L9V0C, R3MSA, H0TDC) FCSD expects suppliers to reconcile each 861 received against every Advance Ship Notice in a timely basis.

\* The 861 Transaction is NOT required at this time, but may be implemented in the future.

## SDS EDI Testing Process

### Start-Up (For New Launch Suppliers or Suppliers that have changed their Connection/VAN)

- 1) Supplier must complete and EDI "Connection Request" form on the Global Electronic Supplier Communication (GSEC) Website to have a supplier mailbox established.
- \* If supplier already has an established mailbox, EDI Coordinator will complete "Mailbox Profile Change Request" to include the EDI transactions, versions, AND verify mailbox profile established for both Production and Education (Test Environment).
- 2) Supplier must complete EDI connectivity testing with Ford ANX Migration Team of the GEC Hub. The migration team will send test instructions for connectivity once your on-line request form is processed.
- 3) Once connectivity testing is complete, supplier to notify EDI Coordinator of readiness to start data content testing.
- 4) Supplier to email EDI Coordinator 2 FCSD part numbers to use during data content tests. If supplier is shipping Motorcraft parts, also submit 1 Motorcraft part number.

### Test Order Process (New Launch, Connection/VAN changes, Software/Hardware Upgrades)

- A. EDI Coordinator will load a total of 10 test purchase orders (850's) into the Education Mailbox (F159E) of the Supply On-line Information System – SOLMIS and push to supplier GEC Hub Mailbox.
  - B. The 6 test purchase orders, comprised of 3 single line orders and 3 multiple line orders, will be pulled by supplier from GEC Hub mailbox and processed.
  - C. Supplier must send back 6 (3 single line/3 multi line) successful test ASN's (856) utilizing the 850's. 856's must comply with the 5 match point criteria as established in the EDI Guidelines.
  - D. Supplier must send back 3 (824's). Each one should indicate a different reason code (Min order QTY, Part Sourced in Error, Entire Order Cancellation) using the 850's.
  - E. Supplier must send 3 (865's). Each should indicate a different reason code (QTY Change, Part Number Change, Line Item Cancellation) using the 850's.
  - F. Supplier must send back 1 (870) to update a Promise Date.
  - G. EDI Coordinator will load 1 (860) to indicate the Change issued in the 865 was Accepted or Rejected. Supplier to pull into system and email Coordinator a Screenshot that the system has been able to process the notice.
  - H. EDI Coordinator will load 1 (824) Reject. Supplier to pull into system and email Coordinator Screenshot that the system has been able to process the notice.
- \* For each transaction transmitted, a copy of the RAW X12 Data, including the Envelope Structure (ISA/IEA), must be e-mailed to the EDI Coordinator to review.

### Hints for troubleshooting:

- If the ISA15 is anything other than 'P', Ford will reject it. Only the ISA receiver ID (**ISA08**) changes to **F159E** when the supplier is sending in documents to our test server at IP address **ftpqa.gechub.ford.com**.
- Check transaction version if data sent back from supplier does not reach mailbox.
- Check Functional Acknowledgement (997) for rejected segment(s).
- Check with your VAN to see if they have a transmission log file sent from VAN provider to Ford. If VAN shows data transmitted successfully – Contact Ford EDI helpdesk @ (888) 317-4957 for assistance.

## Interchange Control Structure including Explanation and Attributes

### Sample Interchange Control Structure with explanation – HEADER/TRAILER INFORMATION

ISA\*00\*      \*00\*      \*ZZ\*SCODE      \*ZZ\*F159B      \*060531\*1241\*U\*00200\*000016285\*0\*P\*<

			<u>Attributes</u>
ISA		INTERCHANGE CONTROL HEADER (Start)	
ISA01	00	Use "00" (zeroes)	M ID 02/02
ISA02	SPACES	Use 10 (ten) spaces	M AN 10/10
ISA03	00	Use "00" (zeroes)	M ID 02/02
ISA04	SPACES	Use 10 (ten) spaces	M AN 10/10
ISA05	ZZ	Use "ZZ"	M ID 02/02
ISA06	SCODE	Sender ID (Left Justified and filled with blanks)	M ID 15/15
ISA07	ZZ	Use "ZZ"	M ID 01/02
ISA08	F159B	Receiver ID (Left Justified and filled with blanks)	M ID 15/15
ISA09	060531	Date of Transmission (YYMMDD)	M DT 06/06
ISA10	1241	Time of Transmission (HHMM, 24 Hour Clock)	M TM 04/04
ISA11	U	Use "U" for USA	M ID 01/01
ISA12	00200	Version ID Use "00200"	M ID 05/05
ISA13	000016285	Control Number (Must Match IEA02)	M N0 09/09
ISA14	0	Use "0" (zero)	M ID 01/01
ISA15	P	Test Indicator (Always use "P")	M ID 01/01
ISA16	<	Sub Element Separator (Use '<' ASCII Hex Value)	M AN 01/01

\* Ford does not utilize the 'T' for testing in the ISA15, **MUST** always be 'P'.

\* ISA08 will point to F159E (for the Education System) when testing SDS transactions only, for Production it will be F159B.

### **IEA\*1\*000016285**

IEA		INTERCHANGE CONTROL TRAILER (End)	
IEA01	1	Number of GS/GE Pairs (Between ISA & IEA)	M N0 01/15
IEA02	000016285	Control Number (Must Match ISA13)	M N0 09/09

## 850 Purchase Order Transaction Set Layout

### ISA.....HEADER INFORMATION

GS*PO*AF1CC*SCODE*060531*0613*000185878*X*002001\ ST*850*0001\ BEG*00*"SA" or "DS"*YA1234***060531\ NTE*INV*NONE\ NTE*PMT*NONE\ REF*IT*08709*FCSD INTERNAL CUSTOMER NUMBER\ REF*CR*19278*CUSTOMER ORDER NUMBER\ REF*PO*SC07678*PURCHASE ORDER NUMBER\ REF*DC*0219278*DEALER PURCHASE ORDER NUMBER\ REF*ZZ*OT/725*ACTIVITY CODE\ PER*IC*JOE WELTY FORD INC*TE*PHONE\ PER*IC*FCSD CONTACT NAME*TE*PHONE\ PER*EX*FCSD CONTACT NAME*TE*PHONE\ N1*BY*FORD CUSTOMER SERVICE DIVISION*92*AF1CC\ N3*P.O. BOX 3333\ N4*LIVONIA*MI*92\ N1*SU*SUPPLIER NAME*92*SCODE\ N3*NE 58 <sup>TH</sup> AVE*P.O. BOX\ N4*CARROLLTON*TX*75006*US\ N1*ST*JOE WELTY FORD INC*92*AF1CC\ N3*SURVEYOR BLVD\ N4*CUSTOMER CITY*ST*ZIP CODE*92\ PER*IC*JOE WELTY FORD INC*TE*PHONE NUMBER\ DTM*007*060531\ DTM*036*061009\ SHH*DD*069*060531\ PO1*00001*4*EA*40.1800**BP*F81Z 16A550 JA\ CUR*BY*USD\ PID*F***NONE\ CTT*1*4\ SE*30*0001\ GE*1*000185878	← Receiving Code, Sender Code, Version ← Transaction Set Header ← Beginning Segment, SA—Stand Alone, DS—Drop Ship, Y—Release # ← Note, Special Instructions ← Note, Special Instructions ← Dealer P&A Code ← Customer/Dealer Order Reference ( <b>COR/DOR</b> ) Number ← FCSD Purchase Order Number ← Dealer Purchase Order Number ← FCSD Order Type ← Requester (Dealer) Name, Phone ← FCSD Contact Name, Phone ← FCSD Expeditor Contact Name, Phone ← Buying Party ← Buying Party Street Address ← Buying Party City, State ← Supplier Name, Supplier GSDB Code ← Supplier Street Address ← Supplier City, State, Zip ← Ship To Customer Name ( <b>Different from Requestor if Drop Ship</b> ) ← Ship To Customer Street Address ← Ship To Customer City, State, Zip ← Customer Contact Name, Phone ← Effective Date ← Expiration Date ← Deliver On Date ( <b>Requested Ship Date</b> ) ← Quantity, Unit of Measure, Price, Part Number ← Currency ← Product/Item Description ( <b>Freeform</b> ) ← Total Number of PO1 segments, Total Quantity in PO102's ← Total segment Count ( <b>Including ST/SE</b> ) ← Total Number of ST/SE pairs between GS & GE, Control Number ( <b>Must match GS06</b> )
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### IEA.....TRAILER INFORMATION

## 850 Purchase Order Explanation and Attributes

### ISA.....HEADER INFORMATION

**GS\*PO\*AF1CC\*SCODE\*060531\*0613\*000185878\*X\*002001**

Attributes

GS		FUNCTIONAL GROUP HEADER (Start)	
GS01	PO	Purchase Order	M ID 02/02
GS02	AF1CC	Direct Ship Sender Code	M ID 02/12
GS03	SCODE	Receiver Code (Supplier GSDB Code)	M ID 02/12
GS04	060531	Transmission Date (YYMMDD)	M DT 06/06
GS05	0613	Time (HHMM, 24 Hour Clock)	M TM 04/04
GS06	000185878	Control Number (Must Match GE02)	M N0 01/09
GS07	X	Responsible Agency Code (Use "X")	M AN 01/02
GS08	002001	ANSI X12 Version	M ID 01/12

**ST\*850\*0001**

ST		TRANSACTION SET HEADER	
ST01	850	Transaction Set ID (Purchase Order)	M ID 03/03
ST02	0001	Control Number (Must Match SE02)	M AN 04/09

**BEG\*00\*SA\*YA1234 \*\*\*060531**

BEG		BEGINNING SEGMENT (Purchase Order)	
BEG01	00	Original	M ID 02/02
BEG02	SA	PO Type <b>SA - Stand Alone      DS - Drop Ship</b>	M ID 02/02
BEG03	YA1234	Y-Release Number (Release number for a SDS 850 PO)	M AN 01/18
BEG06	060531	Purchase Order Date/Requested Ship Date (YYMMDD)	M DT 06/06

\* Cut-Off is **2:00 PM EST** for Stock & **4:00 PM EST** for Emergency. After Cut-Off this field will have the next business date as the Requested Ship Date.

**NTE\*INV\*NONE**

NTE		NOTE/SPECIAL INSTRUCTION	
NTE01	INV	Invoice Instructions for entire transaction set follows <b>GEN - Entire Transaction Set      LIN - Line Item (Detail Only)</b>	O ID 03/03
NTE02	NONE	Freeform Message (Invoice Instructions)	M AN 01/60

**NTE\*PMT\*NONE**

NTE		NOTE/SPECIAL INSTRUCTION	
NTE01	PMT	Payment information for entire transaction set follows <b>GEN - Entire Transaction Set      LIN - Line Item (Detail Only)</b>	O ID 03/03
NTE02	NONE	Freeform Message (Payment Instructions)	M AN 01/60

**REF\*IT\*08709\*FCSD INTERNAL CUSTOMER NUMBER**

REF		REFERENCE NUMBERS	
REF01	IT	Internal Customer Code Qualifier	M ID 02/02
REF02	08709	Dealer P&A Code (Dealer Code/Customer Code)	C AN 01/17
REF03	FCSD ICN	Description	C AN 01/80

**REF\*CR\*19278\*CUSTOMER ORDER NUMBER**

REF		REFERENCE NUMBERS	
REF01	CR	Customer Reference Number Qualifier	M ID 02/02
REF02	19278	Customer/Dealer Order Number (COR/DOR#)	C AN 01/17
REF03	CUSTOMER ORDER #	Description	C AN 01/80

**REF\*PO\*SC035951\*PURCHASE ORDER NUMBER**

REF		REFERENCE NUMBERS	
REF01	PO	Purchase Order Qualifier	M ID 02/02
REF02	SC035951	FCSD Purchase Order Number	C AN 01/17
REF03	PO NUMBER	Description	C AN 01/80

**REF\*DC\*0219278\*DEALER PURCHASE ORDER NUMBER**

REF		REFERENCE NUMBERS	
REF01	DC	Dealer Purchase Order Number Qualifier	M ID 02/02
REF02	034567	Purchase order number	C AN 01/17
REF03	DEALER PO #	Description	C AN 01/80

\* If no Customer PO is input at time of order, system default of 'no PO' will be transmitted in this field.

**REF\*ZZ\*0T/725\*ACTIVITY CODE**

REF		REFERENCE NUMBERS	
REF01	ZZ	Mutually Assigned Qualifier	M ID 02/02
REF02	0T/725	OT (Order Type) / (Delimiter) 725 (Stock Order)	C AN 01/17
REF03	ACTIVITY CODE	Description	C AN 01/80

**PER\*IC\*YANKEE FORD SALES\*TE\*PHONE**

PER		ADMINISTRATIVE COMMUNICATIONS CONTACT	
PER01	IC	Information Contact Qualifier	M ID 02/02
PER02	JOE WELTY FORD INC	Requester Contact (Dealer) Name	O AN 01/30
PER03	TE	Telephone Qualifier	O ID 02/02
PER04	PHONE	Requester Contact (Dealer) Phone Number	C AN 07/20

**PER\*IC\*CONTACT NAME\*TE\*PHONE**

PER		ADMINISTRATIVE COMMUNICATIONS CONTACT	
PER01	IC	Information Contact Qualifier	M ID 02/02
PER02	CONTACT NAME	FCSD Contact Name	O AN 01/30
PER03	TE	Telephone Qualifier	O ID 02/02
PER04	PHONE	FCSD Contact Phone Number	C AN 07/20

**PER\*EX\*EXPEDITOR CONTACT\*TE\*PHONE**

PER		ADMINISTRATIVE COMMUNICATIONS CONTACT	
PER01	EX	Expeditor Contact Qualifier	M ID 02/02
PER02	EXPEDITOR	FCSD Expeditor Contact name	O AN 01/30
PER03	TE	Telephone Qualifier	O ID 02/02
PER04	PHONE	FCSD Expeditor Contact phone number	C AN 07/20

**N1 \*BY\*FORD CUSTOMER SERVICE DIVISION\*92\*AF1CC**

N1		NAME	
N101	BY	Buying Party Qualifier	M ID 02/02
N102	FCSD	FCSD ( <b>Ford Customer Service Division</b> )	M AN 01/30
N103	92	Assigned by Ford Buyer ( <b>Will Contain 92</b> )	M ID 01/02
N104	AF1CC	FCSD Direct Ship Sender Code	M ID 05/05

**N3\*P.O. BOX 3333\**

N3		ADDRESS INFORMATION	
N301	P.O. BOX 3333	Buying Party Street Address	M AN 01/35

**N4\*LIVONIA\*MI\*48151\*92**

N4		GEOGRAPHIC LOCATION	
N401	LIVONIA	Buying Party City Name	M AN 02/15
N402	MI	Buying Party State/Providence	M ID 02/02
N403	48151	Buying Party Postal Code	M ID 05/09
N404	92	Country Code	O ID 02/02

**N1\*SU\*SUPPLIER NAME\*92\*SCODE**

N1		NAME	
N101	SU	Supplier Qualifier	M ID 02/02
N102	SUPPLIER NAME	Supplier Name	M AN 01/30
N103	92	Assigned by Ford Buyer ( <b>Will Contain 92</b> )	M ID 01/02
N104	SCODE	Supplier GSDB Code	M ID 05/05

**N3\*NE 58<sup>TH</sup> AVE\*P.O. BOX**

N3		ADDRESS INFORMATION	
N301	NE 58 <sup>TH</sup> AVE	Supplier Street Address	M AN 01/35
N302	P.O. BOX	Supplier Street Address 2 ( <b>If Applicable</b> )	O AN 01/35

**N4\*CARROLLTON\*TX\*75006\*US**

N4		GEOGRAPHIC LOCATION	
N401	CARROLLTON	Supplier City	M AN 02/15
N402	TX	Supplier State	M ID 02/02
N403	75006	Supplier Postal Code	M ID 05/09
N404	US	Country Code	O ID 01/02

**N1\*ST\*JOE WELTY FORD INC\*92\*AF1CC**

N1		NAME	
N101	ST	Ship To Qualifier	M ID 02/02
N102	JOE WELTY FORD INC	Ship To Customer Name	M AN 01/30
N103	92	Assigned by Ford Buyer ( <b>Will Contain 92</b> )	M ID 01/02
N104	AF1CC	FCSD Supplier Direct Ship Code	M ID 05/05

\* This name will be different from the Requester Name if there is a DS (Drop Ship) Indicator in the BEG02 segment.

**N3\*SURVEYOR BLVD**

N3		ADDRESS INFORMATION	
N301	SURVEYOR BLVD	Customer ( <b>Dealer</b> ) Ship To Address ( <b>Address of N102</b> )	M AN 01/35

**N4\*SHIP TO CITY\*ST\*ZIP CODE\*92**

N4		GEOGRAPHIC LOCATION				
N401	SHIP TO CITY	Customer (Dealer)	City Name	M	AN	02/15
N402	ST	Customer (Dealer)	State	M	ID	02/02
N403	ZIP CODE	Customer (Dealer)	Postal Code	M	ID	05/09
N404	92		Country Code	O	ID	02/02

\* Will be the City, State, and Zip of the Ship To Customer in the N102 segment.

**DTM\*007\*060531**

DTM		DATE/TIME REFERENCE				
DTM01	007	Effective	Date	M	ID	03/03
DTM02	060531	Date (YYMMDD)		M	DT	06/06

**DTM\*036\*060531**

DTM		DATE/TIME REFERENCE				
DTM01	036	Expiration	Date	M	ID	03/03
DTM02	060531	Date (YYMMDD)		M	DT	06/06

**SHH\*DD\*069\*060531**

SHH		GENERAL SCHEDULE				
SHH01	DD	Deliver on	Date	M	ID	02/02
SHH02	069	Promised for	Delivery Qualifier	M	ID	03/03
SHH03	060531	Date Promised for	Delivery (YYMMDD)	C	DT	06/06

**PO1\*00001\*4\*EA\*40.1800\*\*BP\*F81Z 16A550 JA**

PO1		PURCHASE ORDER BASELINE ITEM DATA				
PO101	00001	PO Line	Number	M	AN	01/06
PO102	4	Quantity	Ordered	M	R	01/09
PO103	EA	Unit of	Measurement Code	M	ID	02/02
PO104	40.1800	Unit	Price	C	R	01/14
PO106	BP	Buyers	Part	O	ID	02/02
PO107	F81Z 16A550 JA	Ford Service	Part/Motorcraft Number	C	AN	01/30

\* PO101 Increments by one (1) for each PO1 within a transaction Set.

\* If PO104 is '0' (zero) then PO105 is 'NC' (No Charge), otherwise PO105 is not used.

**CUR\*BY\*USD**

CUR		CURRENCY				
CUR01	BY	Buying	Identifier Party (Purchaser)	M	ID	02/02
CUR02	USD	U.S.	Dollars	M	ID	03/03

**PID\*F\*\*\*\*NONE**

PID		PRODUCT/ITEM DESCRIPTION				
PID01	F	"Freeform"	type followed by part description	M	ID	01/01
PID05	NONE	Description		M	AN	01/80

**CTT\*1\*4**

CTT		TRANSACTION TOTALS				
CTT01	1	Total	Number of LIN segments	M	N0	01/06
CTT02	4	Total	Quantity ordered from PO102	M	R	01/10

**SE\*30\*0001**

SE		TRANSACTION SET TRAILER	
SE01	30	Number of Included Segments <b>(Including ST/SE)</b>	M N0 01/06
SE02	0001	Control Number <b>(Must Match ST02)</b>	M AN 04/09

**GE\*1\*000185878**

GE		FUNCTIONAL GROUP TRAILER <b>(End)</b>	
GE01	1	Total Number of ST/SE pairs between GS and GE	M N0 01/06
GE02	000185878	Control Number <b>(Must Match GS06)</b>	M N0 01/09

**IEA.....TRAILER INFORMATION**

## 824 Purchase Order Cancellation Transaction Set Layout

### ISA.....HEADER INFORMATION

GS*AG*SCODE*AF1CC*060531*1430*000000001*X*003010\ ST*824*0001\ BGN*00*0002011430*060531*1430\ OTI*IR*PO*YA1234*****850\ REF*IT*05460\ REF*CR*06249\ TED*ZZZ*E03 Customer not participating in program Order Cancelled\ TED*ZZZ*E05 Order below minimum, Order Cancelled\ TED*ZZZ*E11 Order Cancelled\ SE*9*0001\ GE*1*00000001\ ← Total number of ST/SE pairs between GS & GE, Control Number <b>(Must match GS06)</b>	← Receiving Code, Sender Code, Version ← Transaction Set Header ← Reference Number, Date, Time ← Rejected Code IR, Y-Release ← Dealer P&A Code (From 850) ← DOR/COR # (From 850) ← Error Code, Freeform Message ← Error Code, Freeform Message ← Error Code, Freeform Message ← Total Segment Count <b>(Including ST/SE)</b>
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### IEA.....TRAILER INFORMATION

\* Only 1 TED\*ZZZ error code will be used in each message. This example is showing all 3 for reference only.

## 824 Purchase Order Cancellation Explanation and Attributes

ISA..... HEADER INFORMATION

**GS\*AG\*SCODE\*AF1CC\*060531\*1430\*00000001\*X\*003010**

Attributes

GS		FUNCTIONAL GROUP HEADER (Start)		
GS01	AG	Application Advice	M	ID 02/02
GS02	SCODE	Supplier GSDB Sender Code	M	ID 02/12
GS03	AF1CC	SDS GSDB Receiver Code	M	ID 02/12
GS04	060531	Transmission Date (YYMMDD)	M	DT 06/06
GS05	1430	Transmission Time (HHMM, 24 Hour Clock)	M	TM 04/04
GS06	000000001	Control Number (Must Match GE02)	M	N0 01/09
GS07	X	Responsible Agency Code (Use "X")	M	AN 01/02
GS08	003010	ANSI X12 Version	M	ID 01/12

**ST\*824\*0001**

ST		TRANSACTION SET HEADER		
ST01	824	Transaction Set ID (PO Cancellation)	M	ID 03/03
ST02	0001	Control Number (Must Match SE02)	M	AN 04/09

**BGN\*00\*0605311430\*060531\*1430**

BGN		BEGINNING SEGMENT		
BGN01	00	Original	M	ID 02/02
BGN02	0605311430	Reference Number; Date & Time Stamp	M	AN 01/30
BGN03	060531	Transaction Creation Date (YYMMDD)	M	DT 06/06
BGN04	1430	Transaction Creation Time (HHMM, 24 Hour Clock)	M	TM 04/04

**OTI\*IR\*PO\*YA1234\*\*\*\*\*850**

OTI		ORIGINAL TRANSACTION ID SEGMENT		
OTI01	IR	Transaction Set is Rejected	M	ID 02/02
OTI02	PO	Purchase Order	M	ID 02/02
OTI03	YA1234	Original Purchase Order Number from 850	M	ID 06/06
OTI10	850	Original Transaction Set	M	ID 03/03

**REF\*IT\*05460**

REF		REFERENCE NUMBERS		
REF01	IT	Internal Customer Code Qualifier	M	ID 02/02
REF02	05460	Customer/Dealer P&A Code	M	AN 01/30

**REF\*CR\*06249**

REF		REFERENCE NUMBERS		
REF01	CR	Customer Reference Qualifier	M	ID 02/02
REF02	06249	Customer/Dealer Order Reference Number (DOR/COR #)	M	AN 01/30

**TED\*ZZZ\*E03CUSTOMER NOT PARTICIPATING IN PROGRAM, ORDER CANCELLED**

TED		TECHNICAL ERROR DESCRIPTION SEGMENT		
TED01	ZZZ	Mutually Defined Qualifier	M	ID 01/03
TED02	E03 + Error msg.	Error Code, Followed by an Error Freeform Message <b>E03 - Customer Not Participating in Program, Order Cancelled</b>	M	AN 01/60

**TED\*ZZZ\*E05ORDER BELOW MINIMUM, ORDER CANCELLED**

TED		TECHNICAL ERROR DESCRIPTION SEGMENT	
TED01	ZZZ	Mutually Defined Qualifier	M ID 01/03
TED02	E05 + Error msg.	Error Code, Followed by an Error Freeform Message <b>E05 - Order Below Minimum (Order Not Meeting Minimum Order QTY)</b>	M AN 01/60

**TED\*ZZZ\*E11ORDER CANCELLED**

TED		TECHNICAL ERROR DESCRIPTION SEGMENT	
TED01	ZZZ	Mutually Defined Qualifier	M ID 01/03
TED02	E11 + Error msg.	Error Code, Followed by an Error Freeform Message <b>E11 - Order Cancelled</b>	M AN 01/60

\* Only one of the above Error Codes will be used per transaction. They will NOT be used at the same time.

**SE\*9\*0001**

SE		TRANSACTION SET TRAILER	
SE01	9	Total Segment Count ( <b>Including ST/SE</b> )	M NO 01/06
SE02	0001	Control Number ( <b>Must Match ST02</b> )	M AN 04/09

**GE\*1\*000000001**

GE		FUNCTIONAL GROUP TRAILER ( <b>End</b> )	
GE01	1	Total Number of ST/SE Pairs Between GS & GE	M NO 01/06
GE02	000000001	Control Number ( <b>Must Match GS06</b> )	M NO 01/09

**IEA.....TRAILER INFORMATION**

\* Data Match Criteria to support a successful transmission of an 824 from supplier:

- ✓ Y-Release Number
- ✓ GSDB Codes (Supplier Code, FCSD Direct Ship code of AF1CC)
- ✓ Customer Code
- ✓ Purchase Order Status must be Open "OP"

## 865 Purchase Order Change Transaction Set Layout

### ISA.....HEADER INFORMATION

GS*CA*SCODE*AF1CC*060531*1430*00000001*X*002001\ ST*865*0001\ BCA*13*AC*YA1234***060531*****060530\ N1*SU*Supplier Name*92*SCODE\ N1*BY*FCSD SDS*92*AF1CC\ POC*00001*PQ*1*1*EA*34.000**BP*F8TZ 6006 A*RP*F9TZ 6006 A\ POC*00002*PQ*3*5*EA*34.000**BP*F8TZ 6006 A\ POC*00003*DI*1*0*EA*34.000**BP*F8TZ 6006 A\ CTT*3*3\ SE*9*0001\ GE*1*00000001\ ← Total Number of ST/SE pairs between GS & GE, Control Number ( <b>Must Match GS06</b> )	← Receiving Code, Sender Code, Version ← Transaction Set Header ← Request, PO, PO Date, Creation Date ← Supplier Name, Supplier GSDB Code ← FCSD GSDB Mailbox Code ← PQ - Replacing Part Change ← PQ - Part Quantity Change ← DI - Delete Line Item Change ← Total Number of POC Segments ← Total Segment Count ( <b>Including ST/SE</b> )
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### IEA.....TRAILER INFORMATION

\* Not all of the POC segments will be used at the same time. This example is showing all 3 for reference only.

## 865 Purchase Order Change Explanation and Attributes

ISA.....HEADER INFORMATION

**GS \*CA\*SCODE\*AF1CC\*060531\*1430\*00000001\*X\*002001**

Attributes

GS		FUNCTIONAL GROUP HEADER (Start)	
GS01	CA	Purchase Order Change	M ID 02/02
GS02	SCODE	Supplier GSDB Sender Code	M ID 02/12
GS03	AF1CC	SDS GSDB Receiver Code	M ID 02/12
GS04	060531	Transmission Date (YYMMDD)	M DT 06/06
GS05	1430	Transmission Time (HHMM, 24 Hour Clock)	M TM 04/04
GS06	000000001	Control Number (Must Match GE02)	M N0 01/09
GS07	X	Responsible Agency Code (Use "X")	M AN 01/02
GS08	002001	ANSI X12 Version	M ID 01/12

**ST\*865\*0001**

ST		TRANSACTION SET HEADER	
ST01	865	Transaction Set ID (PO Change)	M ID 03/03
ST02	0001	Control Number (Must Match SE02)	M AN 04/09

**BCA\*13\*AC\*YA1234\*\*\*060530\*\*\*\*\*060531**

BCA		BEGINNING SEGMENT FOR PO CHANGE	
BCA01	13	Request	M ID 02/02
BCA02	AC	Acknowledgement with Detail and Change	M ID 02/02
BCA03	YA1234	Purchase Order Number (Same as 850)	M AN 01/18
BCA06	060530	Original Order Date (YYMMDD)	M DT 06/06
BCA11	060531	Creation Date of the 865 (YYMMDD)	M DT 06/06

**N1 \*SU\*\*92\*SCODE**

N1		NAME	
N101	SU	Supplier Name Qualifier	M ID 02/02
N102	Supplier Name	Supplier Name	C AN 01/35
N103	92	Assigned by FCSD Buyer	C ID 01/02
N104	SCODE	Supplier GSDB Code	M ID 05/05

**N1\*BY\*FCSD SDS\*92\*AF1CC**

N1		NAME	
N101	BY	Buying Party Qualifier	M ID 02/02
N102	FCSD SDS	Buying Party's Name	C AN 01/35
N103	92	Assigned by Buyer	C ID 01/02
N104	AF1CC	FCSD GSDB Code	M ID 05/05

**POC\*00002\*PQ\*1\*3\*EA\*34.0000\*\*BP\*F8TZ 6006 A**

(Quantity Change)

POC		LINE ITEM CHANGE	
POC01	00002	Line Item Number	O AN 01/06
POC02	PQ	Price/Qty Change	M ID 02/02
POC03	1	Quantity Ordered	O R 01/09
POC04	3	Quantity Left to Ship	C R 01/09
POC05	EA	Unit Of Measure	C ID 02/02
POC06	34.0000	Price	C R 01/14
POC08	BP	Product Service Qualifier	O ID 02/02
POC09	F8TZ 6006 A	Original Part on 850 PO	C AN 01/30

**POC\*00001\*PQ\*1\*1\*EA\*34.0000\*\*BP\*F8TZ 6006 A\*RP\*F9TZ 6006 A (Replacing part)**

POC		LINE ITEM CHANGE	
POC01	00001	Line Item Number	O AN 01/06
POC02	PQ	Price/Qty Change	M ID 02/02
POC03	1	Quantity Ordered	O R 01/09
POC04	1	Quantity Left to Ship	C R 01/09
POC05	EA	Unit Of Measure	C ID 02/02
POC06	34.0000	Price	C R 01/14
POC08	BP	Product Service Qualifier	O ID 02/02
POC09	F8TZ 6006 A	Original Part on 850 PO	C AN 01/30
POC10	RP	Product Service Qualifier	M ID 02/02
POC11	F9TZ 6006 A	Replacing Part Number	C AN 01/30

**POC\*00003\*DI\*1\*0\*EA\*34.0000\*\*BP\*F8TZ 6006 A (Delete Line Item, line cancelled)**

POC		LINE ITEM CHANGE	
POC01	00003	Line Item Number	O AN 01/06
POC02	DI	Price/Qty Change	M ID 02/02
POC03	1	Quantity Ordered	O R 01/09
POC04	0	Quantity Left to Ship	C R 01/09
POC05	EA	Unit Of Measure	C ID 02/02
POC06	34.0000	Price	C R 01/14
POC08	BP	Product Service Qualifier	O ID 02/02
POC09	F8TZ 6006 A	Original Part on 850 PO	C AN 01/30

\* Not all of the POC segments will be used at the same time. This example is showing all 3 for reference only.

**CTT\*3\*3**

CTT		TRANSACTION TOTAL	
CTT01	3	Total number of POC Segments within BEG	M NO 01/06
CTT02	3	Total Quantity Ordered from POC03	M R 01/10

**SE\*9\*0001**

SE		TRANSACTION SET TRAILER	
SE01	9	Total Segment Count (Including ST/SE)	M NO 01/06
SE02	0001	Control Number (Must Match ST02)	M AN 04/09

**GE\*1\*000000001**

GE		FUNCTIONAL GROUP TRAILER (End)	
GE01	1	Total Number of ST/SE Pairs Between GS & GE	M NO 01/06
GE02	000000001	Control Number (Must Match GS06)	M NO 01/09

**IEA.....TRAILER INFORMATION**

\* Data Match Criteria to support a successful transmission of an 865 from supplier:

- ✓ Y-Release Number
- ✓ GSDB Codes (Supplier Code, FCSD Direct Ship Code of AF1CC)
- ✓ Purchase Order Date
- ✓ Part Number
- ✓ Sourcing
- ✓ Purchase Order Status must be Open "OP"

## 865 Important Points

### Important Points to remember when sending an 865:

1. When sending an 865, it **MUST** be sent prior to sending an 856 (ASN).
2. 865 with a DI (delete item) qualifier must contain the original 850 Purchase order quantity.
3. 865 with a PQ (part/quantity) qualifier with a 0 quantity will cancel the line item and Close "CL" the order if it is not a multi-line order.
4. An 865 with a PQ (part/quantity) qualifier is required for EACH active part level change.

**Example:** If original 850 order was for part AA and current part is now AD. Supplier must send three (3) different 865's increasing the level with each message.

1. 865 to change from AA level to AB
2. 865 to change from AB to AC
3. 865 to change from AC to AD
4. Then supplier can ship the order and send an Advanced Ship Notice (856) for the AD level

\* If the part number is sourced incorrectly, an 865 will reject with an "RC" code and post on the SDS website. Please contact your SDS Analyst immediately if you experience this issue for resolution.

## 860 PO Change Acknowledgement Transaction Set Layout

### ISA.....HEADER INFORMATION

GS*PC*AF1CC*SCODE*000201*1430*000000001*X*002001\	← Sender Code, Receiving Code, Version
ST*860*0001\	← Transaction Set Header
BCH*06*CP*YA1234***000201****000204*000203\	← Beginning Segment
NTE*GEN*NOTE OR SPECIAL INSTRUCTIONS\	← Note/Special Instructions
POC*000001*NC*1*0*EA*34.0000*BP*F8TZ 6006 A\	← Line Item Change
CTT*1*1\	← Total Number of POC Segments & Total Quantity in POC03
SE*6*0001\	← Total Segment Count (Including ST/SE)
GE*1*000000001\	← Total Number of ST/SE pairs between GS & GE, Control Number (Must Match GS06)

### IEA.....TRAILER INFORMATION

## 860 PO Change Acknowledgement Explanation and Attributes

ISA.....HEADER INFORMATION

**GS\*PC\*AF1CC\*SCODE\*060531\*1430\*000000001\*X\*002001**

Attributes

GS		FUNCTIONAL GROUP HEADER (Start)	
GS01	PC	Acknowledge a PO Change	M ID 02/02
GS02	AF1CC	SDS GSDB Receiver Code	M ID 02/12
GS03	SCODE	Supplier GSDB Code	M ID 02/12
GS04	060531	Date (YYMMDD)	M DT 06/06
GS05	1430	Time (HHMM, 24 Hour Clock)	M TM 04/04
GS06	000000001	Control Number (Must Match GE02)	M NO 01/09
GS07	X	Responsible Agency Code (Use "X")	M AN 01/02
GS08	002001	ANSI X12 Version	M ID 01/12

**ST\*860\*0001**

ST		TRANSACTION SET HEADER	
ST01	860	Transaction Set ID (PO Change Acknowledgement)	M ID 03/03
ST02	0001	Control Number (Must Match SE02)	M AN 04/09

**BCH\*06\*CP\*YA1234\*\*\*060530\*\*\*\*060531\*060531**

BCH		BEGINNING SEGMENT FOR PO CHANGE REQUEST	
BCH01	06	Transaction Set Purpose Code <b>06 - Confirmation/Acceptance    10 - Not Found/Rejected</b>	M ID 02/02
BCH02	CP	Change to Purchase Order	M ID 02/02
BCH03	YA1234	Purchase Order Number (Same as 850)	M AN 01/18
BCH06	060530	Original Order Date (YYMMDD)	M DT 06/06
BCH10	060531	Acknowledgement Date (YYMMDD)	O DT 06/06
BCH11	060531	PO Change Request Date (YYMMDD)	O DT 06/06

**NTE\*GEN\*FREE FORM NOTE**

NTE		NOTE/SPECIAL INSTRUCTION	
NTE01	GEN	Entire Transaction Set	O ID 03/03
NTE02	FREE FORM NOTE	Free-Form Note/Special Instruction	M AN 01/60

**POC\*000001\*NC\*1\*0\*EA\*34.0000\*\*BP\*F8TZ 6006 A**

POC		LINE ITEM CHANGE	
POC01	000001	Line Item Number	O AN 01/05
POC02	NC	No Change (Concurrence)	M ID 02/02
POC03	1	Quantity Ordered	O R 01/09
POC04	0	Quantity Left to Ship	C R 01/09
POC05	EA	Unit of Measure	C ID 02/02
POC06	34.0000	Price (Info Only)	O R 01/14
POC08	BP	Buyer's Part	O ID 02/02
POC09	F8TZ 6006 A	Original Part on Order, Delete Line	C AN 01/30

**CTT\*1\*1**

CTT		TRANSACTION TOTAL	
CTT01	1	Total Number of POC Segments within BEG	M NO 01/06
CTT02	1	Total Quantity Ordered from POC03	O R 01/10

**SE\*6\*0001**

SE		TRANSACTION SET TRAILER	
SE01	6	Total Segment Count ( <b>Including ST/SE</b> )	M NO 1/06
SE02	0001	Control Number ( <b>Must Match ST02</b> )	M AN 04/09

**GE\*1\*000000001**

GE		FUNCTIONAL GROUP TRAILER ( <b>End</b> )	
GE01	1	Total Number of ST/SE Pairs Between GS & GE	M NO 01/06
GE02	000000001	Control Number ( <b>Must Match GS06</b> )	M NO 01/09

**IEA.....TRAILER INFORMATION**

## 870 Order Status (Promise Date) Transaction Set Layout

### ISA.....HEADER INFORMATION

GS*RS*SCODE*AF1CC*000201*1430*000000001*X*003010\ ST*870*0001\ BSR*2*PO*00020011430*000202\ N1*BY**92*AFICC\ N1*SE**92*SCODE\ HL*1**O\   ← Hierarchical Level PRF*YA1234***000201\ REF*IT*05454\ REF*CR*08014\ PO1*1*200*PC***BP*F8TZ 6006 A\ ISR*ED*000205\ QTY*01*200*PC\ CTT*1*200\ SE*13*0001\ GE*1*000000001\	← Receiving Code, Sender Code, Version ← Transaction Set Header ← Beginning Segment Report ← Buying Party FCSD GSDB Mailbox Code ← Selling Party Supplier GSDB Code  ← Y-Release Number/Date ← Dealer P&A Code ← DOR/COR # ← Part Number & Quantity ← Expected to Ship By Date ← Quantity ← Total Count of HL Segments ← Total Segment Count ( <b>Including ST/SE</b> ) ← Total Number of ST/SE pairs between GS & GE, Control Number ( <b>Must Match GS06</b> )
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### IEA.....TRAILER INFORMATION

## 870 Order Status (Promise Date) Explanation and Attributes

ISA.....HEADER INFORMATION

**GS\*RS\*SCODE\*AF1CC\*060531\*1430\*000000001\*X\*003010**

Attributes

GS		FUNCTIONAL GROUP HEADER (Start)	
GS01	RS	Order Status Information	M ID 02/02
GS02	AF1CC	SDS GSDB Receiver Code	M ID 02/12
GS03	SCODE	Supplier GSDB Code	M ID 02/12
GS04	060531	Date (YYMMDD)	M DT 06/06
GS05	1430	Time (HHMM, 24 Hour Clock)	M TM 04/04
GS06	000000001	Control Number (Must Match GE02)	M NO 01/09
GS07	X	Responsible Agency Code (Use "X")	M AN 01/02
GS08	003010	ANSI X12 Version	M ID 01/12

**ST\*870\*0001**

ST		TRANSACTION SET HEADER	
ST01	870	Transaction Set ID (Order Status)	M ID 03/03
ST02	0001	Control Number (Must Match SE02)	M AN 04/09

**BSR\*2\*PO\*0605301430\*060531**

BSR		BEGINNING SEGMENT REPORT	
BSR01	2	Prearranged Schedule or Agreement	M ID 01/02
BSR02	PO	Selected Orders - Unshipped Items	M ID 01/02
BSR03	0605301430	Order Status Date/Time	M AN 01/30
BSR04	060531	Date Status Report is Created (YYMMDD)	M DT 06/06

**N1\*BY\*\*92\*AF1CC**

N1		NAME	
N101	BY	Buying Party Qualifier	M ID 02/02
N103	92	Assigned by FCSD Buyer	C ID 01/02
N104	AF1CC	FCSD GSDB Code	C ID 02/17

**N1\*SE\*\*92\*SCODE**

N1		NAME	
N101	SE	Selling Party Qualifier	M ID 02/02
N103	92	Assigned by FCSD Buyer	C ID 01/02
N104	SCODE	Supplier GSDB Code	C ID 02/17

**HL\*1\*\*O**

HL		HIERARCHICAL LEVEL	
HL01	1	Number of Loops within the BSR	M AN 01/12
HL03	O	Order	M ID 01/02

**PRF\*YA1234\*\*\*060530**

PRF		PURCHASE ORDER REFERENCE	
PRF01	YA1234	Purchase Order Number (Same as 850)	M AN 01/22
PRF04	060530	Original Release Date (YYMMDD)	O DT 06/06

**REF\*IT\*05454**

REF		REFERENCE NUMBERS	
REF01	IT	Internal Customer Code Qualifier	M ID 02/02
REF02	05454	FCSD Customer Number ( <b>Dealer P&amp;A Code</b> )	C AN 01/30

**REF\*CR\*08014**

REF		REFERENCE NUMBERS	
REF01	CR	Customer Reference Number Qualifier	M ID 02/02
REF02	08014	Customer/Dealer Order Number ( <b>COR/DOR #</b> )	C AN 01/30

**PO1\*1\*200\*PC\*\*\*BP\*F8TZ 6006 A**

PO1		PURCHASE ORDER BASELINE DETAIL	
PO101	1	Number of Occurrences of PO1 within PRF	O AN 01/06
PO102	200	Quantity Ordered	M R 01/09
PO103	PC	Unit Of Measure ( <b>Pieces</b> )	M ID 02/02
PO106	BP	Buyer's Part Number Qualifier	O ID 02/02
PO107	F8TZ 6006 A	FCSD Service Part Number	C AN 01/30

**ISR\*ED\*060601**

ISR		ITEM STATUS REPORT	
ISR01	ED	Expected to Ship by ( <b>Date</b> )	M ID 02/02
ISR02	060601	Expected Ship Date 06/01/06 ( <b>YYMMDD</b> )	O DT 06/06

**QTY\*01\*200\*PC**

QTY		QUANTITY	
QTY01	01	Discrete ( <b>Net</b> ) Quantity Identifier	M ID 02/02
QTY02	200	Expected Ship Quantity	M R 01/10
QTY03	PC	Unit Of Measure ( <b>Pieces</b> )	O ID 02/02

**CTT\*1\*200**

CTT		TRANSACTION TOTALS	
CTT01	1	Total Count of HL Segments	M NO 01/06
CTT02	200	Total Quantity in PO102	O R 01/10

**SE\*13\*0001**

SE		TRANSACTION SET TRAILER	
SE01	13	Total Segment Count ( <b>Including ST/SE</b> )	M NO 01/06
SE02	0001	Control Number ( <b>Must Match ST02</b> )	M AN 04/09

**GE\*1\*00000001**

GE		FUNCTIONAL GROUP TRAILER ( <b>End</b> )	
GE01	1	Total Number of ST/SE Pairs Between GS & GE	M NO 01/06
GE02	00000001	Control Number ( <b>Must Match GS06</b> )	M NO 01/09

**IEA.....TRAILER INFORMATION**

\* Data Match Criteria to support a successful transmission of an 870 from supplier:

- |                                      |                                           |
|--------------------------------------|-------------------------------------------|
| ✓ Y-Release Number                   | ✓ Part Number                             |
| ✓ GSDB Codes (Supplier Code & AF1CC) | ✓ Purchase Order Status must be Open (OP) |
| ✓ Customer Code                      | ✓ Quantity                                |
| ✓ Purchase Order Create Date         |                                           |

## 856 Advance Ship Notice (ASN) Transaction Set Layout

### ISA.....HEADER INFORMATION

GS*SH*SCODE*AF1CC*060531*1000*000000001*X*002002F0RD\ ST*856*0001\ BSN*00*623884*060531*1130\ DTM*011*060531*1100\ HL*1**S\ MEA*PD*G*2000*LB\ TD1*CTN90*1\ TD5*B*02*CWCE*M\ TD3*TL**12345\ REF*BM*802366678\ REF*PK*623884\ N1*ST**92*AF1CC\ N1*Sf**92*SCODE\ ITA*C*AX*HC*06***10.00\ HL*2*1*\ LIN**BP*F8TZ 6006 A\ SN1**6*PC*6\ REF*CO*DLR05454DORA1234\ CLD*1*6*CTN90\ REF*LS*20001\ CTT*2*6\ SE*21*0001\ GE*01*000000001	← Sender Code, Receiving Code, Version ← Transaction Set Header ← Purpose Code ( <b>00,01,05</b> ), Date, Time ← Date/Time Stamp ← Shipment Level ← Measurements ← Carrier Details ( <b>Quantity &amp; Weight</b> ) ← Carrier Details ( <b>Routing</b> ) ← Carrier Details ( <b>Equipment</b> ) ← Tracking Number for LTL, otherwise, Bill of Lading ← Packing Slip Number ( <b>Same as ASN Number</b> ) ← Ship To ( <b>SDS GSDB Code</b> ) ← Ship from ( <b>Supplier GSDB Code</b> ) ← <b>Used for International Shipments ONLY for Customs Purposes</b> ← Item Level ← Buyer's Part Number ← Item Detail Shipment ← Dealer P&A Code, Y-Release Number ( <b>Drop the 'Y'</b> ) ← Customer's Load Detail ← Label Serial Number ← Total Number of HL Segments, Total Quantities from SN102's ← Total Segment Count ( <b>Including ST/SE</b> ) ← Total Number of ST/SE pairs between GS & GE, Control Number ( <b>Must Match GS06</b> )
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### IEA.....TRAILER INFORMATION

## 856 Advance Ship Notice (ASN) Explanation and Attributes

### ISA.....HEADER INFORMATION

**GS\*SH\*SCODE\*AF1CC\*060531\*1000\*000000001\*X\*002002FORD**

Attributes

GS		FUNCTIONAL GROUP HEADER (Start)		
GS01	SH	Order Status Information	M	ID 02/02
GS02	SCODE	Supplier GSDB Code	M	ID 02/12
GS03	AF1CC	SDS GSDB Receiver Code	M	ID 02/12
GS04	060531	Date (YYMMDD)	M	DT 06/06
GS05	1000	Time (HHMM, 24 Hour Clock)	M	TM 04/04
GS06	000000001	Control Number (Must Match GE02)	M	N0 01/09
GS07	X	Responsible Agency Code (Use "X")	M	AN 01/02
GS08	002002FORD	ANSI X12 Version	M	ID 01/12

**ST\*856\*0001**

ST		TRANSACTION SET HEADER		
ST01	856	Transaction Set ID (Advance Ship Notice - ASN)	M	ID 03/03
ST02	0001	Control Number (Must Match SE02)	M	AN 04/09

**BSN\*00\*623884\*060531\*1130**

BSN		BEGINNING SEGMENT ADVANCE SHIP NOTICE		
BSN01	00	Transaction Set Purpose Code 00 - Original 05 - Replacement	M	ID 02/02
BSN02	623884	ASN Number (Cannot be repeated within One-Year Period)	M	AN 02/11
BSN03	060531	Date ASN was Created (YYMMDD)	M	DT 06/06
BSN04	1130	Time ASN was Created (HHMM, 24 Hour Clock)	M	TM 04/04

- \* Direct Ship Suppliers **CANNOT** send a Cancellation ASN with a '01' Purpose Code (BSN01).
- \* When sending a '05' Purpose Code for a Replacement ASN, add a character (A, B, C...) to the end of the ASN number (BSN02) to make it a Unique ASN number so it won't reject in the SDS System.

**DTM\*011\*060531\*1100**

DTM		DATE/TIME REFERENCE		
DTM01	011	Shipped (Date & time Stock leaves the dock)	M	ID 03/03
DTM02	060531	Date Shipped (YYMMDD)	M	DT 06/06
DTM03	1100	Time Shipped (HHMM, 24 Hour Clock)	M	TM 04/04

**HL\*1\*\*S**

HL		HIERARCHICAL LEVEL (SHIPMENT LEVEL)		
HL01	1	Hierarchical ID (Incremented by 1 in each subsequent HL)	M	N0 01/06
HL03	S	Hierarchical Level (Shipment)	M	ID 01/02

**MEA\*PD\*G\*200\*LB**

MEA		MEASUREMENTS		
MEA01	PD	Physical Dimensions (Measurement Reference ID)	M	ID 02/02
MEA02	G	Actual Net Weight (Measurement Qualifier)	M	ID 01/03
MEA03	200	Measurement Value (Value referred to by MEA02)	M	R 01/10
MEA04	LB	Unit Of Measurement (LB - Pound KG - Kilogram)	M	ID 02/02

**TD1\*CTN90\*1**

TD1		CARRIER DETAILS (QUANTITY & WEIGHT)		
TD101	CTN90	Packaging Code	M ID	05/05
TD102	1	Lading Quantity/Number of Packages ( <b>Specified in TD101</b> )	M NO	01/07

\* Most commonly used **Packaging Codes** can be found on Page 49.

**TD5\*B\*02\*FDEG\*M or TD5\*B\*02\*FDE1\*A\*\*\*OR\*BUF**

TD5		CARRIER DETAIL (ROUTING)		
TD501	B	Routing Sequence Code ( <b>Use 'B'</b> )	M ID	01/02
TD502	02	Identification Code Qualifier ( <b>Use '02'</b> )	M ID	02/02
TD503	FDEG	Carrier's SCAC Code	M ID	02/04
TD504	LT	Transportation Method/Type Code ( <b>Refer to MOT on page 39</b> )	M ID	01/02
TD507	OR	Location Qualifier <b>OR - Origin/Shipping Point (Air Only)</b>	C ID	02/02
TD508	BUF	Location Identifier ( <b>Identifies a Airport Code</b> )	C AN	01/05

\* If OR (Air Shipment) is used in TD507 – Use Ship From or Ship To Airport Code (ex. "BUF"). If the Airport Code is unknown, you can use the first 3-5 characters of the 'Ship From' or 'Ship To' city in TD508.

\* TD507 AND TD508 are **REQUIRED** when shipping AIR; otherwise not used.

**TD3\*TL\*\*12345 or TD3\*AE\*\*12345**

TD3		CARRIER DETAILS (EQUIPMENT)		
TD301	TL or AE	Conveyance/Trailer # Qualifier ( <b>Refer to MOT on page 39</b> )	M ID	02/02
TD303	12345	Equipment/Trailer Number	M AN	01/07

\* If 'A' is used in **TD504** for Air Shipments, use 'AE' for Air Express in **TD301**.

\* Most commonly used **MOT (Mode Of Transportation)** Codes can be found on Page 49.

**REF\*BM\*802366678**

REF		REFERENCE NUMBERS		
REF01	BM	Qualifier for "Bill of Material/Lading"	M ID	02/02
REF02	802366678	Carrier PRO number for LTL Track & Trace	M AN	01/30

\* The use of at least one **REF** Segment with a qualifier of "**BM**" or "**AW**" is required at the shipment level.

**REF\*PK\*623884**

REF		REFERENCE NUMBERS		
REF01	PK	Qualifier for "Packing List"	M ID	02/02
REF02	623884	Packing Slip Number ( <b>Identical to the ASN Number</b> )	M AN	01/30

\* The use of one **REF** Segment with a qualifier of "**PK**" to provide packing slip number is required at either the shipment or item level.

\* Most commonly used **REF Qualifiers** can be found on page 49.

**N1\*ST\*\*92\*AF1CC**

N1		NAME		
N101	ST	Ship To ( <b>Entity Identifier Code</b> )	M ID	02/02
N103	92	Assigned by FCSD Buyer ( <b>Will Contain 92</b> )	M ID	02/02
N104	AF1CC	Ship To Receiving Location ( <b>Must match N1*ST of the 850</b> )	M AN	05/05

**N1\*SF\*\*92\*SCODE**

N1		NAME		
N101	SF	Ship From ( <b>Entity Identifier Code</b> )	M ID	02/02
N103	92	Assigned by FCSD Buyer ( <b>Will Contain 92</b> )	M ID	02/02
N104	SCODE	Ship From Location ( <b>Supplier GSDB Code</b> )	M AN	05/05

**ITA\*C\*AX\*HC\*06\*\*\*10.00**

ITA		ALLOWANCE, CHARGE, OR SERVICE		
ITA01	C	Allowance/Charge Code ( <b>Use 'C'</b> )	M ID	01/01
ITA02	AX	Agency Qualifier Code ( <b>Use 'AX'</b> )	O ID	02/02
ITA03	HC	Special Service Code ( <b>Use 'HC'</b> )	C ID	02/10
ITA04	06	Method of Handling Code ( <b>06 - charge to be paid by Customer</b> )	M ID	02/02
ITA07	10.00	Allowance or Charge Total Amount	C N2	01/09

\* This segment is used for **INTERNATIONAL SHIPMENTS ONLY** to specify the excess handling charge for Customs purposes.

**HL\*2\*1\*1**

HL		HIERARCHICAL LEVEL		
HL01	2	Hierarchical ID ( <b>Incremented by 1 in each subsequent HL</b> )	M AN	01/06
HL02	1	Hierarchical Parent ID ( <b>Required at Item Level</b> )	O AN	01/06
HL03	1	Hierarchical Level ( <b>Item</b> )	M ID	01/02

**LIN\*\*BP\*F8TZ 6006A**

LIN		LINE ITEM DETAIL		
LIN02	BP	Buyer's Part Number Qualifier	M ID	02/02
LIN03	F8TZ 6006 A	Ford Service Part Number ( <b>Prefix, Base, Suffix</b> )	M AN	01/30

**SN1\*\*6\*PC\*6**

SN1		ITEM DETAIL SHIPMENT		
SN102	6	Quantity in this Shipment	M R	01/07
SN103	PC	Unit of Measure ( <b>From 850</b> )	M ID	02/02
SN104	6	Quantity Shipped to Date ( <b>Quantity in SN102</b> )	C R	01/09

\* **CUMS** are not utilized in the Direct Ship system. The actual shipment quantity of this shipment (SN102) needs to be included in the SN104 field.

**REF\*CO\*DLR05454DORA1234**

REF		REFERENCE NUMBERS		
REF01	CO	Dealer Direct Qualifier ( <b>Customer Order Number</b> )	M ID	02/02
REF02	DLR05454DORA1234	Text "DLR" followed by the Dealer P&A Code. Text "DOR" followed by the last 5 Characters of the Y-Release Number.	M AN	01/30

\* The Dealer P&A Code should **ALWAYS** be 5 Characters in Length. After the Text 'DOR' **ALWAYS** drop/minus the 'Y' off the Y-Release number.

**CLD\*1\*6\*CTN90**

CLD		CUSTOMER'S LOAD DETAIL		
CLD01	1	Number of Containers ( <b>Skids, Pallets, boxes, etc.</b> )	M N0	01/05
CLD02	6	Quantity per Container	M R	01/07
CLD03	CTN90	Packaging Code/Container Type ( <b>Refer to PG 44 for Codes</b> )	M ID	05/05

**REF\*LS\*20001**

REF		REFERENCE NUMBERS	
REF01	LS	Bar Code Label Serial Number Qualifier	M ID 02/02
REF02	20001	Bar Code Label Serial Number on Carton	M AN 01/30

**CTT\*2\*6**

CTT		TRANSACTION TOTALS	
CTT01	2	Total Number of HL Segments	M NO 01/06
CTT02	6	Hash Total ( <b>Total of Quantities from SN102's</b> )	M R 01/10

**SE\*21\*0001**

SE		TRANSACTION SET TRAILER	
SE01	13	Total Segment Count ( <b>Including ST/SE</b> )	M NO 01/06
SE02	0001	Control Number ( <b>Must Match ST02</b> )	M AN 04/09

**GE\*1\*000000001**

GE		FUNCTIONAL GROUP TRAILER ( <b>End</b> )	
GE01	1	Total Number of ST/SE Pairs Between GS & GE	M NO 01/06
GE02	000000001	Control Number ( <b>Must Match GS06</b> )	M NO 01/09

**IEA.....TRAILER INFORMATION**

\* **Data Match Criteria to support a successful transmission of an 856 from supplier:**

- ✓ Y-Release Number
- ✓ GSDB Codes (Supplier Code, FCSD Direct Ship Code of AF1CC)
- ✓ Dealer P&A Code
- ✓ Part Number
- ✓ Purchase Order Status must be Open (OP)
- ✓ Quantity





**TED\*006\*DUPLICATE\*\*\*\*\*YA1234/SCODE/05454/F8TZ6006A /623884/000002**

TED		TECHNICAL ERROR DESCRIPTION SEGMENT	
TED01	006	Duplicate Error Message Qualifier	M ID 01/03
TED02	DUPLICATE	Free-Form Message	O AN 01/60
TED07	YA1234/ SCODE/ 05454/ F8TZ 6006 A / 623884/ 000002	Y-Release Number Transmitted on Rejected ASN Supplier GSDB Code Customer/Dealer P&A Code transmitted on Rejected ASN Part # Transmitted on Rejected ASN ASN # Transmitted on Rejected ASN Control Number Transmitted on Rejected ASN	O AN 01/99

**TED\*008\*OVERSHIP\*\*\*\*\*YA1234/SCODE/05454/F8TZ6006A /623884/000002**

TED		TECHNICAL ERROR DESCRIPTION SEGMENT	
TED01	008	Overship Error Message Qualifier	M ID 01/03
TED02	OVERSHIP	Free-Form Message	O AN 01/60
TED07	YA1234/ SCODE/ 05454/ F8TZ 6006 A / 623884/ 000002	Y-Release Number Transmitted on Rejected ASN Supplier GSDB Code Customer/Dealer P&A Code transmitted on Rejected ASN Part # Transmitted on Rejected ASN ASN # Transmitted on Rejected ASN Control Number Transmitted on Rejected ASN	O AN 01/99

**TED\*011\*MISMATCH\*\*\*\*\*YA1234/SCODE/05454/F8TZ6006A /623884/000002**

TED		TECHNICAL ERROR DESCRIPTION SEGMENT	
TED01	011	Mismatch Error Message Qualifier	M ID 01/03
TED02	MISMATCH	Free-Form Message	O AN 01/60
TED07	YA1234/ SCODE/ 05454/ F8TZ 6006 A / 623884/ 000002	Y-Release Number Transmitted on Rejected ASN Supplier GSDB Code Customer/Dealer P&A Code transmitted on Rejected ASN Part # Transmitted on Rejected ASN ASN # Transmitted on Rejected ASN Control Number Transmitted on Rejected ASN	O AN 01/99

**TED\*004\*INVALID ASN TYPE\*\*\*\*\*YA1234/SCODE/05454/F8TZ6006A /623884/000002**

TED		TECHNICAL ERROR DESCRIPTION SEGMENT	
TED01	004	Mismatch Error Message Qualifier	M ID 01/03
TED02	INVALID ASN TYPE	Free-Form Message	O AN 01/60
TED07	YA1234/ SCODE/ 05454/ F8TZ 6006 A / 623884/ 000002	Y-Release Number Transmitted on Rejected ASN Supplier GSDB Code Customer/Dealer P&A Code transmitted on Rejected ASN Part # Transmitted on Rejected ASN ASN # Transmitted on Rejected ASN Control Number Transmitted on Rejected ASN	O AN 01/99

**TED\*005\*PART SOURCE ERROR\*\*\*\*\*YA1234/SCODE/05454/F8TZ6006A /623884/000002**

TED		TECHNICAL ERROR DESCRIPTION SEGMENT	
TED01	005	Mismatch Error Message Qualifier	M ID 01/03
TED02	PART SOURCE ERROR	Free-Form Message	O AN 01/60
TED07	YA1234/ SCODE/ 05454/ F8TZ 6006 A / 623884/ 000002	Y-Release Number Transmitted on Rejected ASN Supplier GSDB Code Customer/Dealer P&A Code transmitted on Rejected ASN Part # Transmitted on Rejected ASN ASN # Transmitted on Rejected ASN Control Number Transmitted on Rejected ASN	O AN 01/99

\* The TED07 Segments have been broken down for easier explanation.

**SE\*7\*0001**

SE		TRANSACTION SET TRAILER	
SE01	7	Total Segment Count ( <b>Including ST/SE</b> )	M NO 01/06
SE02	0001	Control Number ( <b>Must Match ST02</b> )	M AN 04/09

**GE\*1\*000000001**

GE		FUNCTIONAL GROUP TRAILER ( <b>End</b> )	
GE01	1	Total Number of ST/SE Pairs Between GS & GE	M NO 01/06
GE02	000000001	Control Number ( <b>Must Match GS06</b> )	M NO 01/09

**IEA.....TRAILER INFORMATION**

## TED Segment Error Messages Explanation

- \* A **'006' Duplicate** condition occurs when an ASN has been sent twice with the same ASN number, resulting in the Direct Ship system's inability to decipher which ASN to accept.
  - ✓ This type of rejection can be caused by an incorrect Replacement ASN. Replacement ASN must be resent with a "05" Replacement ASN code PLUS adding an alpha or numeric character/digit to the end of the original ASN number to make it a unique ASN number. Example: 887766 will now be 887766A
  - ✓ The other condition in which a Duplicate Error message is generated is when the supplier experiences data transmission issues. In response, the supplier sends data a second time when the GecHub has actually received the first ASN but maybe delayed in sending 997's or pushing data to FSN (Ford Supplier Network).
- \* An **'008' Overship** condition occurs when the quantity on the ASN is greater than twice the original order quantity on the 850 Purchase Order. In this situation the ASN must be resent for the exact quantity on the 850 Purchase Order. Any remaining quantities shipped above and beyond the ordered quantity will require the supplier to submit a payment dispute along with proof of shipment to the Direct Ship Accounting Department.
- \* A **'011' Mismatch** condition occurs when either the contents of the ASN do not match up to the 850 Purchase order based on 5 key match points, or a previous ASN has been sent and the subsequent ASN doesn't have an open order/line to match to.

### The 5 key match points are:

- ✓ Part Number
  - ✓ Quantity
  - ✓ "Y" Release Number
  - ✓ Customer Code
  - ✓ GSDB Code - Supplier GSDB and AF1CC
- \* An **'004' Invalid ASN Type** condition occurs when an ASN is sent using the "01" Purpose Code in the BSN01 Element indicating the ASN has not processed. SDS Suppliers cannot submit a cancellation ASN transaction. This will also occur if a ZERO (0) Quantity is entered on the ASN.
  - \* A **'005' Part Source Error** condition occurs when an ASN tries to process against a part that was incorrectly sourced or sourcing was changed. Suppliers will **not** be able to send a valid ASN against the current order shipped. If you receive this type of rejection, please contact the EDI Coordinator at [FCSDEDI@Ford.com](mailto:FCSDEDI@Ford.com) for the following procedure:
    - ✓ Obtain and Complete the "Manual Payment Layout Record Spreadsheet" and return to the EDI Coordinator.
    - ✓ The EDI Coordinator will forward to the SDS Accounting Department for processing of Manual Customer Billing/Supplier Payment.
    - ✓ Once the Billing/Payment has been processed, the order will be manually closed in the SDS System.
    - ✓ Supplier will need to Dispute ASN Accuracy occurrences and possible Not-On-Time (NOT) Points on SDPR scorecard.

## 861 Receipt Advise Transaction Set Layout

### ISA.....HEADER INFORMATION

GS*SH* <b>AF52M</b> *SCODE*060512*0122*000177915*X*002001\ ST*861*0001\ BRA*2006-05-12-05.09.39.2449640001*060512*00\ REF*PK*YA1234\ REF*SI*095019109\ DTM*050*060511\ N1*ST**92*H0TDC\ N1*SF**92*SCODE\ RCD**+1*PC\ SN1**+1*PC\ LIN**BP*XL5Z 5E212 FA\ CTT*1*1\ SE*12*0001\ GE*1*000177915\	← <b>NOTE SENDER CODE</b> ← Transaction Set Header ← Unique Number Assigned by Ford, Create Date ← Y-Release number from 856 ← ASN Number from 856 ← Material Receive on Date ← Ship To TDS Location Code ← Ship From Supplier Code ← Received Quantity ← Quantity Shipped ( <b>ASN Quantity</b> ) ← Ford Service Part Number ← Total Number of RCD Segments ← Total Segment Count ( <b>Including ST/SE</b> ) ← Total Number of ST/SE pairs between GS & GE, Control Number ( <b>Must Match GS06</b> )
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### IEA.....TRAILER INFORMATION

\* An 861 will **ONLY** be transmitted against TDS (Total Distribution System), IDO (International Distribution Operations), or Association (Mazda/Nissan) orders.

## 861 Receipt Advise Explanation and Attributes

### ISA.....HEADER INFORMATION

**GS\*SH\*AF52M\*SCODE\*060512\*0122\*000177915\*X\*002001**

Attributes

GS		FUNCTIONAL GROUP HEADER ( <b>Start</b> )	
GS01	SH	Order Status Information	M ID 02/02
GS02	AF52M	Sender GSDB Code	M ID 02/12
GS03	SCODE	Supplier GSDB Receiver Code	M ID 02/12
GS04	060512	Date ( <b>YYMMDD</b> )	M DT 06/06
GS05	0122	Time ( <b>HHMM, 24 Hour Clock</b> )	M TM 04/04
GS06	000177915	Control Number ( <b>Must Match GE02</b> )	M N0 01/09
GS07	X	Responsible Agency Code ( <b>Use "X"</b> )	M AN 01/02
GS08	002001	ANSI X12 Version	M ID 01/12

**ST\*861\*0001**

ST		TRANSACTION SET HEADER	
ST01	861	Transaction Set ID ( <b>Receiving Advice</b> )	M ID 03/03
ST02	0001	Control Number ( <b>Must Match SE02</b> )	M AN 04/09

**BRA\*2006-05-12-05.09.39.2449640001\*060512\*00**

BRA		BEGINNING SEGMENT (RECEIVEING ADVICE)	
BRA01	2006-05-12-05.09.39. 449640001	Transaction Set ID ( <b>Assigned by Ford</b> )	M AN 01/30
BRA02	060512	Transaction Create Date ( <b>YYMMDD</b> )	M DT 06/06
BRA03	00	Original Transmission ( <b>Normal</b> )	M ID 02/02

**REF\*PK\*YA1234**

REF		REFERENCE NUMBERS	
REF01	PK	Packing Slip Qualifier	M ID 02/02
REF02	YA1234	Y-Release Number ( <b>REF*CO Segment on ASN</b> )	C AN 01/11

**REF\*SI\*095019109**

REF		REFERENCE NUMBERS	
REF01	SI	Shipper's Identifying Number ( <b>Qualifier</b> )	M ID 02/02
REF02	095019109	Reference Number ( <b>BSN02 of the 856</b> )	C AN 01/11

**DTM\*050\*060511**

DTM		DATE/TIME REFERENCE	
DTM01	050	Material Received on Date Qualifier	M ID 03/03
DTM02	060511	Date Material Received ( <b>YYMMDD</b> )	C DT 06/06

**N1\*ST\*\*92\*H0TDC**

N1		NAME	
N101	ST	Ship To ( <b>Entity Identifier Code</b> )	M ID 02/02
N103	92	Assigned by Buyer ( <b>Will Contain 92</b> )	M ID 02/02
N104	H0TDC	Ford Bailed Stock Facility ( <b>H0TDC, L9V0C, R3MSA</b> )	M AN 05/05

**N1\*SF\*\*92\*SCODE**

N1		NAME	
N101	SF	Ship From ( <b>Entity Identifier Code</b> )	M ID 02/02
N103	92	Assigned by Buyer ( <b>Will Contain 92</b> )	M ID 02/02
N104	SCODE	Supplier GSDB Code	M AN 05/05

**RCD\*\*+1\*PC**

RCD		RECEIVING CONDITIONS	
RCD02	+1	Actual Receipt Quantity	C R 01/09
RCD03	PC	Unit of Measure	C ID 02/02

**SN1\*\*+1\*PC**

SN1		ITEM DETAIL	
SN102	+1	Number of Units Shipped ( <b>ASN Quantity</b> )	M R 01/09
SN103	PC	Unit of Measure	C ID 02/02

**LIN\*\*BP\*XL5Z 5E212 FA**

LIN		ITEM IDENTIFICATION DETAIL	
LIN02	BP	Buyers Part Number ( <b>Qualifier</b> )	M ID 02/02
LIN03	X65Z 5E212 FA	Ford Service Part Number	M AN 01/30

**CTT\*1\*1**

CTT		TRANSACTION TOTALS	
CTT01	1	Number of Line Items ( <b>Total Number of RCD Segments</b> )	M NO 01/06
CTT02	1	Hash Total ( <b>Sum of RCD02's</b> )	M R 01/10

**SE\*12\*0001**

SE		TRANSACTION SET TRAILER	
SE01	12	Total Segment Count ( <b>Including ST/SE</b> )	M NO 01/06
SE02	0001	Control Number ( <b>Must Match ST02</b> )	M AN 04/09

**GE\*1\*000177915**

GE		FUNCTIONAL GROUP TRAILER ( <b>End</b> )	
GE01	1	Total Number of ST/SE Pairs Between GS & GE	M NO 01/06
GE02	000177915	Control Number ( <b>Must Match GS06</b> )	M NO 01/09

**IEA.....TRAILER INFORMATION**

\* The BEG02 Segment in the 850 will have a 'DS' (Drop Ship) Indicator. The N1\*ST segment of the 850 will indicate that the 'Ship To' is "Ford I.D.O./T.D.S."

- ✓ Export Orders Customer Codes
  - 50000-59999
- ✓ Ford of Mexico Customer Code
  - 68084
- ✓ Ford of Canada Customer Code
  - 68097
- ✓ Ford of Canada FAD Customer Codes
  - 68108-68113
- ✓ Association Orders (Mazda/Nissan) Customer Codes
  - 69000-69100

## 997 Functional Acknowledgement Transaction Set Layout- ACCEPTED

### ISA.....HEADER INFORMATION

GS*FA*AF1CC*SCODE*060531*0835*000000876*X*002002\	← Group Start, Sender Code, Receiving Code
ST*997*0001\	← Transaction Set Header, Control Number
AK1*SH*000006167\	← Functional Group Response Header
AK2*856*0983\	← Transaction being acknowledged
AK5*A\	← Acknowledge of Acceptance
AK9*A*1*1*1\	← Accepted, # of included transactions sets, received sets, accepted sets
SE*6*0001\	← Transaction Set Trailer, Total Number of Segments between ST/SE
GE*1*000000876\	← Group End, Number of ST/SE Segments, Control Number

### IEA.....TRAILER INFORMATION

## 997 Functional Acknowledgement Explanation & Attributes- ACCEPTED

### ISA.....HEADER INFORMATION

**GS\*FA\*AF1CC\*SCODE\*060531\*0835\*00000876\*X\*002002**

Attributes

GS		FUNCTIONAL GROUP HEADER (Start)		
GS01	FA	Functional Acknowledgement	M	ID 02/02
GS02	AF1CC	Ford Assigned Sender Code	M	ID 02/12
GS03	SCODE	Ford Assigned Receiver Code (Supplier GSDB Code)	M	ID 02/12
GS04	060531	Date (YYMMDD)	M	DT 06/06
GS05	1227	Time (HHMM, 24 Hour Clock)	M	TM 04/04
GS06	00000876	Control Number (Must Match GE02)	M	N0 01/09
GS07	X	Responsible Agency Code (Use "X")	M	AN 01/02
GS08	002002	ANSI X12 Version	M	ID 01/12

**ST\*997\*1001**

ST		TRANSACTION SET HEADER		
ST01	997	Transaction Set ID	M	ID 03/03
ST02	1001	Control Number (Must Match SE02)	M	AN 04/09

**AK1\*SH\*000006167**

AK1		FUNCTIONAL GROUP RESPONSE HEADER		
AK101	SH	Value in GS01 of transaction being acknowledged	M	ID 02/02
AK102	000006167	Control number (GS06 of the message being acknowledged)	M	N0 01/09

**AK2\*856\*0983**

AK2		TRANSACTION SET RESPONSE HEADER		
AK201	856	Type of transaction being acknowledged (ST01)	M	ID 03/03
AK202	0983	Value in (ST02) of the transaction being acknowledged	M	AN 04/09

**AK5\*A**

AK5		TRANSACTION SET RESPONSE TRAILER		
AK501	A	Transaction Set is Accepted (Refer to Chart 3 on page 46)	M	ID 01/01

**AK9\*A\*1\*1\*1**

AK9		FUNCTIONAL GROUP RESPONSE TRAILER		
AK901	A	Transaction Set is Accepted (Refer to Chart 5 on page 46)	M	ID 01/01
AK902	1	Number of transaction sets included	M	N0 01/06
AK903	1	Number of Received Transaction Sets	M	N0 01/06
AK904	1	Number of Accepted Transaction Sets	M	N0 01/06

**SE\*6\*0001**

SE		TRANSACTION SET TRAILER		
SE01	6	Number of Included Segments (Including ST/SE)	M	N0 01/06
SE02	0001	Transaction Set Control Number (Must Match ST02)	M	AN 04/09

**GE\*1\*00000876**

GE		FUNCTIONAL GROUP TRAILER (End)		
GE01	1	Total Number of ST/SE pairs between GS and GE	M	N0 01/06
GE02	00000876	Control Number (Must Match GS06)	M	N0 01/09

### IEA.....TRAILER INFORMATION

## 997 Functional Acknowledgement Transaction Set Layout- REJECTED

### ISA.....HEADER INFORMATION

GS*FA*AF1CC*SCODE*060531*0835*000030876*X*002002\	← Group Start, Sender Code, Receiving Code
ST*997*001\	← Transaction Set Header, Control Number
AK1*SH*2616\	← Functional Group Response Header
AK2*856*0983\	← Transaction being acknowledged
AK3*TD1*7**3\	← Segment ID of error, position in transaction set
AK4*2**1*XXXX\	← To report errors in data element and identify the location
AK5*R*5\	← Acknowledge of Rejection
AK9*R*1*1*0\	← Rejected, # of included transactions sets, received sets, accepted sets
SE*6*0001\	← Transaction Set Trailer, Total Number of Segments between ST/SE
GE*1*000030876\	← Group End, Number of ST/SE Segments, Control Number

### IEA.....TRAILER INFORMATION

## 997 Functional Acknowledgement Explanation & Attributes- REJECTED

ISA.....HEADER INFORMATION

**GS\*FA\*AF1CC\*SUPPL\*060531\*0835\*000030876\*X\*002002**

Attributes

GS		FUNCTIONAL GROUP HEADER (Start)	
GS01	FA	Functional Acknowledgement	M ID 02/02
GS02	AF1CC	Ford Assigned Sender Code	M ID 02/12
GS03	SCODE	Ford Assigned Receiver Code (Supplier GSDB Code)	M ID 02/12
GS04	060531	Date (YYMMDD)	M DT 06/06
GS05	1227	Time (HHMM, 24 Hour Clock)	M TM 04/04
GS06	000030876	Control Number (Must Match GE02)	M NO 01/09
GS07	X	Responsible Agency Code (Use "X")	M AN 01/02
GS08	002002	ANSI X12 Version	M ID 01/12

**ST\*997\*001**

ST

TRANSACTION SET HEADER

ST01	997	Transaction Set ID	M ID 03/03
ST02	1001	Control Number (Must Match SE02)	M AN 04/09

**AK1\*SH\*2616**

AK1

FUNCTIONAL GROUP RESPONSE HEADER

AK101	SH	Value in GS01 of transaction being acknowledged	M ID 02/02
AK102	2616	Control number (GS06 of the message being acknowledged)	M NO 01/09

**AK2\*856\*0983**

AK2

TRANSACTION SET RESPONSE HEADER

AK201	856	Type of transaction being acknowledged (ST01)	M ID 03/03
AK202	0983	Value in (ST02) of the transaction being acknowledged	M AN 04/09

**AK3\*TD1\*7\*3**

AK3

DATA SEGMENT NOTE

AK301	TD1	Segment in Error	M ID 02/03
AK302	7	Segment position in transaction set has error	M NO 01/06
AK304	3	Segment Note Code (Refer to <i>Chart 1</i> on page 46)	O ID 01/03

\* **AK302** is the numerical count position of this data segment from the start of the transaction set. The transaction set header (ST Segment) is count position 1.

**AK4\*2\*\*1\*XXXX**

AK4

DATA ELEMENT NOTE

AK401	2	Element Number in Error (Segment AK301)	M NO 01/02
AK403	1	Code Indicating the Error found (Refer to <i>Chart 2</i> on page 46)	M ID 01/03
AK404	XXXX	Copy of Bad Data Element	O AN 01/99

**AK5\*R\*5**

AK5

TRANSACTION SET RESPONSE TRAILER

AK501	R	Transaction Set is Rejected (Refer to <i>Chart 3</i> on page 46)	M ID 01/01
AK502	5	Code indicating the error found (Refer to <i>Chart 4</i> on page 46)	O ID 01/03

**AK9\*R\*1\*1\*0**

AK9		FUNCTIONAL GROUP RESPONSE TRAILER	
AK901	R	Transaction Set is Rejected ( <b>Refer to Chart 5 on page 46</b> )	M ID 01/01
AK902	1	Number of transaction Sets Included	M N0 01/06
AK903	1	Number of Received Transaction Sets	M N0 01/06
AK904	0	Number of Accepted Transaction Sets	M N0 01/06

**SE\*6\*0001**

SE		TRANSACTION SET TRAILER	
SE01	6	Number of Included Segments ( <b>Including ST/SE</b> )	M N0 01/06
SE02	0001	Transaction Set Control Number ( <b>Must Match ST02</b> )	M AN 04/09

**GE\*1\*000030876**

GE		FUNCTIONAL GROUP TRAILER ( <b>End</b> )	
GE01	1	Total Number of ST/SE pairs between GS and GE	M N0 01/06
GE02	000030876	Control Number ( <b>Must Match GS06</b> )	M N0 01/09

**IEA.....TRAILER INFORMATION**

## 997 Functional Acknowledgement Error Definitions

### Chart 1:

<u>Code</u>	<u>Definition</u>
1	Unrecognized segment ID
2	Unexpected segment
3	Mandatory segment missing
4	Loop occurs over maximum times
5	Segment within loop exceeds maximum use

### Chart 2:

<u>Code</u>	<u>Definition</u>
1	Mandatory data element missing.
2	Conditional required data element missing.
3	Too many data elements.
4	Data element too short.
5	Data element too long.
6	Invalid character in data element.
7	Invalid code value.
8	Invalid date.
9	Invalid time.

### Chart 3:

<u>Code</u>	<u>Definition</u>
A	The transmitted transaction set is Accepted.
E	The transmitted transaction set is accepted, but errors are noted. This means that the sender must <b>NOT</b> resend this data.
R	The transmitted transaction set is Rejected. Depending on the error reason, the sender may resend this data.

### Chart 4:

<u>Code</u>	<u>Definition</u>
1	This transaction set type is not supported.
2	The transaction set trailer is missing.
3	The transaction set control number in the header and trailer do not match ( <b>the value from the header is used in the acknowledgment</b> ).
4	The number of included segments does not match the actual count.
5	One or more segments are in error.

### Chart 5:

<u>Code</u>	<u>Definition</u>
A	The transmitted functional group is Accepted. An acceptance of a functional group is an acceptance of all transaction sets in that functional group.
E	The transmitted functional group is accepted, but errors are noted. This means that the sender must <b>NOT</b> resend this data.
P	Part of the transmitted functional group is accepted by transaction set.
R	The transmitted functional group is Rejected. A rejection of a functional group is a rejection of all transaction sets in that functional group. Depending on the error reason, the sender may resend this data.

## TA1 Errors

TA1\*265162219\*060204\*1527\*R\*021

### Attributes

TA1		INTERCHANGE ACKNOWLEDGMENT	
TA101	265162219	Interchange Control Number (ISA13 of the group being acknowledged)	M N0 09/09
TA102	060204	Interchange Date (YYMMDD)	M DT 06/06
TA103	1527	Interchange Time (HHMM)	M TM 04/04
TA104	R	Interchange Acknowledgement Code A - Accepted E - Accepted With Errors R - Rejected	M ID 01/01
TA105	21	Interchange Note Code (Refer to <b>Chart 6 On page 48</b> )	M ID 03/03

\* A TA1 will not be accepted by Ford systems in response to documents outbound from Ford. Ford will send the TA1 in response to documents inbound to Ford without a properly formatted ISA or GS envelope.

## TA1 Error Note Code Definitions

### Chart 6:

<u>Code</u>	<u>Definition</u>
000	No Error.
001	The Interchange Control Number in the Header and Trailer do not match. <b>(The value from the header is used in the acknowledgement).</b>
002*	This Standard as noted in the Control Standards Identifier is not Supported.
003	This Version of the Controls is not Supported.
004	The Segment Terminator is Invalid.
005	Bad Interchange ID Qualifier for sender.
006	Bad Interchange Sender ID.
007	Bad Interchange ID Qualifier for Receiver.
008	Bad Interchange Receiver ID.
009	Network provider could not deliver message because of unknown Receiver ID as qualified.
010	Bad Authorization Information Qualifier Value.
011	Bad Authorization Information Value.
012	Bad Security Information Qualifier Value.
013	Bad Security Information Value.
014	Bad Interchange Date Value.
015	Bad Interchange Time Value.
016	Bad Interchange Standards Identifier Value.
017	Bad Interchange Version ID Value.
018	Bad Interchange Control Number Value.
019	Invalid Acknowledgement Requested Value – Must be "0" (Zero).
020	Bad Test Indicator Value – Must be "P".
021	Bad Number of Included Groups Value.
022	Invalid Control Structure.
023	Improper (premature) end-of-file (transmission).
024	Invalid Interchange Content (e.g. bad GS Segment).
025	Duplicate Interchange Control Number.
026	Invalid Data Element Separator.

\* Code 002 is used as a default code by the Mailbox System when there is a problem with the data that cannot be determined.

## Mode of Transportation (MOT), Packaging Codes, & REF Qualifiers

### Most Commonly Used MOT Codes

<u>Code</u>	<u>Description</u>
A	Air
AE	Air Express
C	Consolidation
E	Expedited Truck
G	Piggyback
H	Customer Pickup
JT	Just in time
LT	Less Than Trailer Load (LTL)
M	Motor (Common Carrier)
O	Containerized Ocean
PA	Pooled Air
PC	Private Carrier
PG	Pooled Piggyback
PP	Pool to pool*
PR	Pooled Rail*
PT	Pooled Truck
R	Rail
RR	Roadrailer
S	Ocean
U	Private Parcel Service
W	Inland Waterway
ZZ	On hand at pool

### Most Commonly Used Packaging Codes

<u>Code</u>	<u>Description</u>
PLT90	Pallet
BOX90	Box
LSE90	Loose
CTN90	Carton
SKD90	Skid
COL52	Steel Coil
LIF52	Metal Lift
BIN90	Bin
RCK90	Rack

### Most Commonly Used REF Qualifiers

<u>Code</u>	<u>Description</u>
AW	Air Bill Number
BM	Bill of Material/lading
CN	Carton Number
PK	Packing Slip
LS	Label Serial Number
CO	Dealer Direct
FR	Freight Bill Number
VM	Vessel Name

## Glossary of Acronyms

**GSDB (Global Supplier Data Base):**

Unique ID Code Ford Assigns Each Trading Partner.

**GSEC (Global Supplier Electronic Communications):**

Primary point of contact between Ford and its suppliers in matters relating to the transfer of electronic data.

**EDI (Electronic Data Interchange):**

The Exchange of structured data between computer applications using agreed rules. Ford uses X12 as its standard rules.

**ANSI ASC X12 (American National Standards Institute Accredited Standards Committee X12):**

Created in 1984, X12 North American Format Language is an EDI Communication standard, which includes directories and guidelines for data transmission between trading partners through out the supply chain.

**OEM (Original Equipment Manufacturer):**

Final point of assembly prior to sale of goods.

**VAN (Value Added Network):**

Third party company suppliers can contract to connect to the GECHub to process their EDI transactions.

**GECHub (Global Electronic Commerce Hub):**

A server that supports all trading partners' connectivity, providing the communication interface, and security for access to Ford systems.

**ANX (Advance Network Exchange):**

A dedicated, high-performance data network, that enables subscribed buyers and sellers located all over the world to communicate, collaborate, and transact business quickly, reliably, and securely. The ANX Network is private (isolated from the public internet).

**Covisint:**

Provides a communication link between a company and the supply chain that it relies upon to manufacture its products.

**SDS:**

Supplier Direct Ship

**PDC/PRC:**

Parts Distribution Center/Parts Redistribution Center

**SPOC (Single Point Of Contact):**

Support Services/Helpdesk

**FCSD:**

Ford Customer Service Division

**SOLMIS (Supply On-Line Management Information Systems):**

Ford Motor Company's communication network.

**ASCII (ask-key) (American Standard Code for Information Interchange):**

Computers can only understand numbers, so an ASCII code is the numerical representation of a character such as 'a' or '@'.

**Example:**

If someone says they want your document in ASCII format, they want 'plain' text with no formatting such as tabs, bold, or underscoring - the raw format that any computer can understand. This is usually so they can easily import the file into their own applications without issues. Notepad.exe creates ASCII text or in MS Word you can save a file as 'text only' by choosing 'plain text' as the "save as type".

## Glossary of Attributes

### **M (Mandatory):**

If the segment is Mandatory for ANSI, it remains mandatory for Ford. If the segment is Optional for ANSI, but Mandatory for Ford, it is designated by the letter "M".

### **O (Optional):**

If the segment is optional for ANSI, but its requirements vary between Ford Applications, it is designated by the letter "O". You must read the Ford "Optional" segments in detail to determine what Ford applications require them.

### **C (Conditional):**

A data element requirement designator that indicates that the presence of a specified data element is dependent on the value or presence of other data elements in the segment/segments.

### **N (Not Used):**

If the segment is not currently used by Ford, it is designated by the letter "N". This does not preclude future implementation.

### **ID (Code Value/Identification):**

If ANSI ASC X12 maintains the list of ID codes, the code values follow the data element definition in the data element dictionary.

### **AN (String/Alphanumeric):**

String data element types contain alphanumeric characters, including imbedded spaces.

### **DT (Date):**

The date in the format: YYMMDD.

### **TM (Time):**

The time in the format: HHMM (24-hour clock).

### **N0 (Numeric):**

Numeric data element types contain only numeric characters and a minus sign if they are negative. The digit after "N" defines the number of implied decimal positions. Therefore, N0 indicates a numeric value with no decimal position (a whole number).

### **N2 (Numeric):**

Numeric data element types contain only numeric characters and a minus sign if they are negative. The digit after "N" defines the number of implied decimal positions. Therefore, N2 indicates numeric value with implied two decimal positions.

### **R (Decimal):**

Decimal data element types contain only numeric characters, a decimal point (if needed), and a minus sign if negative.

### **Field Lengths:**

The field lengths are shown as 01/02, and so forth, are explained as 01 being the minimum character length and 02 being the maximum character length for that particular element.

## EDI Manual Revisions

Date	Section	Page(s)
12/05/2007	Entire Manual Reformatted	1 - 52
12/10/2007	EDI Coordinator Contact Email Added	4