


International Truck and Engine Corporation



EDI 862 – Shipping Schedule

VERSION: ANSI ASC X12 Version Release 2040

 INTERNATIONAL EDI 862 Implementation Guide	Document Number: PUR-2012	
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Written by: EDI Analyst	Reviewed/ Approved by: Pat Verchota	This Document Applies to: X Truck X Engine X Service Parts

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862**Shipping Schedule****Functional Group=SS**

This standard provides the format and establishes the data contents of a shipping schedule transaction set within the context of an electronic data interchange (EDI) environment. The shipping schedule transaction set provides the ability for a customer to convey precise shipping schedule requirements to a supplier, and is intended to supplement the planning schedule transaction set (830). The shipping schedule transaction set will supersede certain shipping and delivery information transmitted in a previous planning schedule transaction, but it does not replace the 830 transaction set. The shipping schedule transaction set shall not be used to authorize labor, materials or other resources.

The use of this transaction set will facilitate the practice of Just-In-Time (JIT) manufacturing by providing the customer with a mechanism to issue precise shipping schedule requirements on a more frequent basis than with the issuance of a planning schedule transaction, e.g. daily shipping schedules versus weekly planning schedules. The shipping schedule transaction also provides the ability for a customer location to issue shipping requirements independent of other customer locations when planning schedule transactions are issued by a consolidated scheduling organization.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Used
020	BSS	Beginning Segment for Shipping Schedule	M	1			Used
030	DTM	Date/Time Reference	O	10			Not used
040	NTE	Note/Special Instruction	OT	100			Not used
LOOP ID - N1					200		
050	N1	Name	O	1			Used
060	N2	Additional Name Information	O	2			Not Used
070	N3	Address Information	O	1			Not Used
080	N4	Geographic Location	O	1			Not Used
090	REF	Reference Numbers	O	12			Not Used
100	PER	Administrative Communications Contact	O	3			Used
110	FOB	F.O.B. Related Instructions	O	1			Not Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - LIN					10000		
010	LIN	Item Identification	M	1			Used
020	UIT	Unit Detail	M	1			Used
030	PO4	Item Physical Details	O	>1			Not Used
040	PKG	Marking, Packaging, Loading	O	>1			Not Used
050	REF	Reference Numbers	O	12			Not Used
060	PER	Administrative Communications Contact	O	1			Not Used
070	SDP	Ship/Delivery Pattern	O	1			Used
LOOP ID - FST					100		
080	FST	Forecast Schedule	O	1			Used
090	DTM	Date/Time Reference	O	>1			Not Used
100	SDQ	Destination Quantity	O	>1			Not Used
LOOP ID - JIT					24		
110	JIT	Just-In-Time Schedule	O	1			Not Used
120	REF	Reference Numbers	O	500			Not Used
130	ATH	Resource Authorization	O	1			Not Used
LOOP ID - SHP					10		
140	SHP	Shipped/Received Information	O	1			Used
150	REF	Reference Numbers	O	12			Not Used
160	TD1	Carrier Details (Quantity and Weight)	O	1			Not Used
170	TD3	Carrier Details (Equipment)	O	1			Not Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	M	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Used

Notes:

3/010 The number of lines items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the value of the quantities (FST01) for each FST segment.

ST

Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option(Usage): Used

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

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	M	ID	3/3	Used				
		Description: Code uniquely identifying a Transaction Set.								
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>862</td> <td>X12.37 Shipping Schedule</td> </tr> </table>	<u>Code</u>	<u>Name</u>	862	X12.37 Shipping Schedule				
<u>Code</u>	<u>Name</u>									
862	X12.37 Shipping Schedule									
ST02	329	Transaction Set Control Number	M	AN	4/9	Used				
		Description: Identifying control number assigned by the originator for a transaction set.								

Comments:

- The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

All

Example:
ST*862*0001 n/1

BSS

Beginning Segment for Shipping Schedule

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 11

User Option(Usage): Used

To indicate the beginning of a shipping schedule.

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>								
BSS01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set.	M	ID	2/2	Used								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Original</td> </tr> <tr> <td>04</td> <td>Change</td> </tr> <tr> <td>05</td> <td>Replace</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	00	Original	04	Change	05	Replace				
<u>Code</u>	<u>Name</u>													
00	Original													
04	Change													
05	Replace													
BSS02	127	Reference Number Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	M	AN	1/30	Used								
		<table border="1"> <tr> <td>Truck</td> </tr> <tr> <td>International Truck will send "1790" in this field.</td> </tr> <tr> <td>Engine</td> </tr> <tr> <td>International Engine will send "862" in this field.</td> </tr> <tr> <td>Service Parts</td> </tr> <tr> <td>International Service Parts will send "862" in this field.</td> </tr> </table>	Truck	International Truck will send "1790" in this field.	Engine	International Engine will send "862" in this field.	Service Parts	International Service Parts will send "862" in this field.						
Truck														
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Engine														
International Engine will send "862" in this field.														
Service Parts														
International Service Parts will send "862" in this field.														
BSS03	373	Date Description: Date (YYMMDD).	M	DT	6/6	Used								
BSS04	675	Schedule Type Qualifier Description: Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast.	M	ID	2/2	Used								
		<table border="1"> <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													
BSS05	373	Date Description: Date (YYMMDD).	M	DT	6/6	Used								
BSS06	373	Date Description: Date (YYMMDD).	M	DT	6/6	Used								
BSS07	328	Release Number Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	C	AN	1/30	Used								
		<table border="1"> <tr> <td>Truck</td> </tr> <tr> <td>The first six characters contain the International Plant Code, followed by seven character Supplier Code, followed by the date of the release (YYMMDD).</td> </tr> <tr> <td>Engine</td> </tr> <tr> <td>Not Used.</td> </tr> <tr> <td>Service Parts</td> </tr> <tr> <td>The first six characters contain the International Plant Code, followed by seven character Supplier Code, followed by the date of</td> </tr> </table>	Truck	The first six characters contain the International Plant Code, followed by seven character Supplier Code, followed by the date of the release (YYMMDD).	Engine	Not Used.	Service Parts	The first six characters contain the International Plant Code, followed by seven character Supplier Code, followed by the date of						
Truck														
The first six characters contain the International Plant Code, followed by seven character Supplier Code, followed by the date of the release (YYMMDD).														
Engine														
Not Used.														
Service Parts														
The first six characters contain the International Plant Code, followed by seven character Supplier Code, followed by the date of														

the release (YYMMDD).

BSS08	127	Reference Number Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C	AN	1/30	Not used
BSS09	367	Contract Number Description: Contract number.	O	AN	1/30	Not used
BSS10	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser.	O	AN	1/22	Used
BSS11	676	Schedule Quantity Qualifier Description: Code identifying the type of quantities used when defining a schedule or forecast.	O	ID	1/1	Used
		Code		Name		
		A		Actual Discreet Quantities		
		C		Cumulative Quantities		
		D		Net Change Quantities		
		R		Replacement Quantities		

Syntax:

1. Eithe - Only one of BSSit,BSShe may be presented

Comments:

1. Use BSS02 to indicate a document number.
2. Use BSS03 to indicate the date of this document.
3. Use BSS05 to indicate the schedule horizon start date (the date when the schedule begins.)
4. Use BSS06 to indicate the schedule horizon end date (the date when the schedule ends.)
5. BSS08 is the identifying number for a forecast assigned by the orderer/purchaser.

Truck

Example:

BSS*05*1790*900105*DL*900105*900201*002ASM7068710900919****A N/L

Engine

Example:

BSS*00*862*000606*DL*000606*000626****P000001*A N/L

Service Parts

Example:

BSS*00*862*950801*DL*950815*950815*783 2224560950801***123456789 N/L

Loop N1

Pos: 050	Repeat: 200
Optional	
Loop: N1	Elements: N/A

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	N1	Name	O	1		Used
100	PER	Administrative Communications Contact	O	3		Used

Truck

Examples:

N1*ST**92*002ASM N/L
 N1*SU**92*7068710 N/L
 N1*PK**92*12345X1 N/L

Engine

Examples:

N1*ST**92*040 N/L
 N1*SU**92*87878S1 N/L

Service Parts

Example:

N1*SU**92*2224560 N/L
 N1*MI**92*783 N/L
 N1*ST**92*770-0770 N/L

N1

Name

Pos: 050	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option(Usage): Used

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

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 Description: Code identifying an organizational entity or a physical location.	M	ID	2/2	Used												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>MI</td> <td>Planning Schedule/Material Release Issuer</td> </tr> <tr> <td>PK</td> <td>Party to Receive Copy</td> </tr> <tr> <td>SI</td> <td>Shipping Schedule Issuer</td> </tr> <tr> <td>ST</td> <td>Ship To</td> </tr> <tr> <td>SU</td> <td>Supplier/Manufacturer</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	MI	Planning Schedule/Material Release Issuer	PK	Party to Receive Copy	SI	Shipping Schedule Issuer	ST	Ship To	SU	Supplier/Manufacturer				
<u>Code</u>	<u>Name</u>																	
MI	Planning Schedule/Material Release Issuer																	
PK	Party to Receive Copy																	
SI	Shipping Schedule Issuer																	
ST	Ship To																	
SU	Supplier/Manufacturer																	
N102	93	Name Description: Free-form name.	C	AN	1/35	Not used												
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67).	C	ID	1/2	Used												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>92</td> <td>Assigned by Buyer</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer												
<u>Code</u>	<u>Name</u>																	
92	Assigned by Buyer																	
N104	67	Identification Code Description: Code identifying a party.	C	ID	2/17	Used												
		<table border="1"> <thead> <tr> <th><u>All</u></th> </tr> </thead> <tbody> <tr> <td>International assigned Plant or Vendor Code. For Plant ship-to code see document of International Ship Codes.</td> </tr> </tbody> </table>	<u>All</u>	International assigned Plant or Vendor Code. For Plant ship-to code see document of International Ship Codes.														
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International assigned Plant or Vendor Code. For Plant ship-to code see document of International Ship Codes.																		

Comments:

- This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Truck

Examples:
 N1*ST**92*002ASM N/L
 N1*SU**92*7068710 N/L
 N1*PK**92*12345X1 N/L

Engine

Examples:
 N1*ST**92*040 N/L
 N1*SU**92*87878S1 N/L

Service Parts

Example:
 N1*SU**92*2224560 N/L
 N1*MI**92*783 N/L
 N1*ST**92*770-0770 N/L

PER

Administrative Communications Contact

Pos: 100	Max: 3
Heading - Optional	
Loop: N1	Elements: 4

User Option(Usage): Used

To identify a person or office to whom administrative communications should be directed

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>				
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named.	M	ID	2/2	Used				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EX</td> <td>Expeditor</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	EX	Expeditor				
<u>Code</u>	<u>Name</u>									
EX	Expeditor									
PER02	93	Name Description: Free-form name.	O	AN	1/35	Used				
		Truck International Clerk Codes.								
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number.	O	ID	2/2	Not used				
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable.	C	AN	7/21	Not used				

Truck

Example:
PER*EX*GF N/L

Engine

Not Used.

Service Parts

Not Used

Loop LIN

Pos: 010	Repeat: 10000
Mandatory	
Loop: LIN	Elements: N/A

To specify basic item identification data.

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	LIN	Item Identification	M	1		Used
020	UIT	Unit Detail	M	1		Used
070	SDP	Ship/Delivery Pattern	O	1		Used
080		Loop FST	O		100	Used
140		Loop SHP	O		10	Used

Truck

Example:

LIN**BP*123456C1 N/L

Engine

Example:

LIN**BP*123456C1*PO*P000001 N/L

Service Parts

Example:

LIN**BP*500632C92*VP*46211*PO*333456789 N/L

LIN**BP*386535C1*PO*444456789 N/L



Item Identification

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 31

User Option(Usage): Used

To specify basic item identification 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 Description: Alphanumeric characters assigned for differentiation within a transaction set.	O	AN	1/6	Not used																		
LIN02	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234). <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BP</td> <td>Buyer's Part Number</td> </tr> <tr> <td>EC</td> <td>Engineering Change Level</td> </tr> <tr> <td>PO</td> <td>Purchase Order Number</td> </tr> <tr> <td>RC</td> <td>Returnable Container No.</td> </tr> <tr> <td>RN</td> <td>Release Number</td> </tr> <tr> <td>VP</td> <td>Vendor's (Seller's) Part Number</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BP	Buyer's Part Number	EC	Engineering Change Level	PO	Purchase Order Number	RC	Returnable Container No.	RN	Release Number	VP	Vendor's (Seller's) Part Number	M	ID	2/2	Used				
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LIN03	234	Product/Service ID Description: Identifying number for a product or service.	M	AN	1/30	Used																		
LIN04	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234). <table border="1"> <thead> <tr> <th colspan="2">Truck</th> </tr> <tr> <td colspan="2">Truck will no longer send the 'VP' qualifier.</td> </tr> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BP</td> <td>Buyer's Part Number</td> </tr> <tr> <td>EC</td> <td>Engineering Change Level</td> </tr> <tr> <td>PO</td> <td>Purchase Order Number</td> </tr> <tr> <td>RC</td> <td>Returnable Container No.</td> </tr> <tr> <td>RN</td> <td>Release Number</td> </tr> <tr> <td>VP</td> <td>Vendor's (Seller's) Part Number</td> </tr> </tbody> </table>	Truck		Truck will no longer send the 'VP' qualifier.		<u>Code</u>	<u>Name</u>	BP	Buyer's Part Number	EC	Engineering Change Level	PO	Purchase Order Number	RC	Returnable Container No.	RN	Release Number	VP	Vendor's (Seller's) Part Number	O	ID	2/2	Used
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LIN05	234	Product/Service ID Description: Identifying number for a product or service. <table border="1"> <thead> <tr> <th colspan="2">Truck</th> </tr> <tr> <td colspan="2">Truck will no longer send a Supplier or Vendor Part number. This would have been qualified with a 'VP' qualifier in the LIN04.</td> </tr> </thead> </table>	Truck		Truck will no longer send a Supplier or Vendor Part number. This would have been qualified with a 'VP' qualifier in the LIN04.		C	AN	1/30	Used														
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LIN06	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234). <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BP</td> <td>Buyer's Part Number</td> </tr> <tr> <td>EC</td> <td>Engineering Change Level</td> </tr> <tr> <td>PO</td> <td>Purchase Order Number</td> </tr> <tr> <td>RC</td> <td>Returnable Container No.</td> </tr> <tr> <td>RN</td> <td>Release Number</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BP	Buyer's Part Number	EC	Engineering Change Level	PO	Purchase Order Number	RC	Returnable Container No.	RN	Release Number	O	ID	2/2	Used						
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RN	Release Number																							

		<u>Code</u>	<u>Name</u>				
		VP	Vendor's (Seller's) Part Number				
LIN07	234	Product/Service ID		C	AN	1/30	Used
		Description:					
		Identifying number for a product or service.					
LIN08	235	Product/Service ID Qualifier		O	ID	2/2	Used
		Description:					
		Code identifying the type/source of the descriptive number used in Product/Service ID (234).					
		<u>Code</u>	<u>Name</u>				
		BP	Buyer's Part Number				
		EC	Engineering Change Level				
		PO	Purchase Order Number				
		RC	Returnable Container No.				
		RN	Release Number				
		VP	Vendor's (Seller's) Part Number				
LIN09	234	Product/Service ID		C	AN	1/30	Used
		Description:					
		Identifying number for a product or service.					
LIN10	235	Product/Service ID Qualifier		O	ID	2/2	Used
		Description:					
		Code identifying the type/source of the descriptive number used in Product/Service ID (234).					
		<u>Code</u>	<u>Name</u>				
		BP	Buyer's Part Number				
		EC	Engineering Change Level				
		PO	Purchase Order Number				
		RC	Returnable Container No.				
		RN	Release Number				
		VP	Vendor's (Seller's) Part Number				
LIN11	234	Product/Service ID		C	AN	1/30	Used
		Description:					
		Identifying number for a product or service.					
LIN12	235	Product/Service ID Qualifier		O	ID	2/2	Used
		Description:					
		Code identifying the type/source of the descriptive number used in Product/Service ID (234).					
		<u>Code</u>	<u>Name</u>				
		BP	Buyer's Part Number				
		EC	Engineering Change Level				
		PO	Purchase Order Number				
		RC	Returnable Container No.				
		RN	Release Number				
		VP	Vendor's (Seller's) Part Number				
LIN13	234	Product/Service ID		C	AN	1/30	Used
		Description:					
		Identifying number for a product or service.					
LIN14	235	Product/Service ID Qualifier		O	ID	2/2	Not used
		Description:					
		Code identifying the type/source of the descriptive number used in Product/Service ID (234).					
LIN15	234	Product/Service ID		C	AN	1/30	Not used
		Description:					
		Identifying number for a product or service.					
LIN16	235	Product/Service ID Qualifier		O	ID	2/2	Not used
		Description:					
		Code identifying the type/source of the descriptive number used in					

		Product/Service ID (234).				
LIN17	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/30	Not used
LIN18	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2	Not used
LIN19	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/30	Not used
LIN20	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2	Not used
LIN21	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/30	Not used
LIN22	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2	Not used
LIN23	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/30	Not used
LIN24	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2	Not used
LIN25	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/30	Not used
LIN26	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2	Not used
LIN27	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/30	Not used
LIN28	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2	Not used
LIN29	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/30	Not used
LIN30	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2	Not used
LIN31	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/30	Not used

Comments:

1. See the Data Dictionary for a complete list of ID's.
2. LIN01 is the line item identification

3. LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Truck

Example:

LIN**BP*123456C1 N/L

Engine

Example:

LIN**BP*123456C1*PO*P000001 N/L

Service Parts

Example:

LIN**BP*500632C92*VP*46211*PO*333456789 N/L

LIN**BP*386535C1*PO*444456789 N/L



Unit Detail

Pos: 020	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 3

User Option(Usage): Used

To specify item unit 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 Measurement Code Description: Code identifying the basic unit of measurement.	M	ID	2/2	Used
		All International will use any ANSI X12 code.				
UIT02	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	R	1/14	Not used
UIT03	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item.	O	ID	2/2	Not used

Truck

Example:
UIT*PC N/L

Engine

Example:
UIT*EA N/L

Service Parts

Examples:
UIT*PC N/L
UIT*PC N/L

SDP Ship/Delivery Pattern

Pos: 070	Max: 1
Detail - Optional	
Loop: LIN	Elements: 8

User Option(Usage): Used

To identify specific ship/delivery requirements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage						
SDP01	678	Ship/Delivery Pattern Code Description: Code which specifies the days for routine shipments or deliveries.	M	ID	1/2	Used						
		<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Monday through Friday</td> </tr> <tr> <td>N</td> <td>As Directed</td> </tr> </tbody> </table>	Code	Name	A	Monday through Friday	N	As Directed				
Code	Name											
A	Monday through Friday											
N	As Directed											
SDP02	679	Ship/Delivery Pattern Time Code Description: Code which specifies the time for routine shipments or deliveries.	M	ID	1/1	Used						
		<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>F</td> <td>As Directed</td> </tr> </tbody> </table>	Code	Name	F	As Directed						
Code	Name											
F	As Directed											
SDP03	678	Ship/Delivery Pattern Code Description: Code which specifies the days for routine shipments or deliveries.	O	ID	1/2	Not used						
SDP04	679	Ship/Delivery Pattern Time Code Description: Code which specifies the time for routine shipments or deliveries.	O	ID	1/1	Not used						
SDP05	678	Ship/Delivery Pattern Code Description: Code which specifies the days for routine shipments or deliveries.	O	ID	1/2	Not used						
SDP06	679	Ship/Delivery Pattern Time Code Description: Code which specifies the time for routine shipments or deliveries.	O	ID	1/1	Not used						
SDP07	678	Ship/Delivery Pattern Code Description: Code which specifies the days for routine shipments or deliveries.	O	ID	1/2	Not used						
SDP08	679	Ship/Delivery Pattern Time Code Description: Code which specifies the time for routine shipments or deliveries.	O	ID	1/1	Not used						

Comments:

- The intent of this segment is to define the routine ship or delivery patterns, as required, when order quantities are in "buckets", such as weekly, monthly. Ship/Delivery patterns eliminate the need to transmit discrete quantities and dates for each required shipment or delivery. It is assumed that a "bucketed" quantity is to be divided equally by the ship/delivery pattern. For example, a weekly quantity of 100 with a delivery pattern of Monday and Wednesday would result in 50 to be delivered on Monday and 50 to be delivered on Wednesday.

Truck

Example:
SDP*A*F N/L

Engine

Example:
SDP*N*F N/L

Service Parts

Examples:
SDP*A*F N/L
SDP*A*F N/L

Loop FST

Pos: 080	Repeat: 100
	Optional
Loop: FST	Elements: N/A

To specify the forecasted dates and quantities

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
080	FST	Forecast Schedule	O	1		Used

Truck

Examples:
 FST*70*C*D*900108 N/L
 FST*84*C*D*900109 N/L
 FST*315*C*D*900116 N/L

Engine

Examples:
 FST*100*C*D*000606 N/L
 FST*100*C*D*000607 N/L
 FST*150*C*D*000608 N/L
 FST*50*C*D*000609 N/L
 FST*100*C*D*000612 N/L

Service Parts

Examples:
 FST*45*C*D*950815 N/L
 FST*60*C*D*950815 N/L

FST Forecast Schedule

Pos: 080	Max: 1
Detail - Optional	
Loop: FST	Elements: 9

User Option(Usage): Used

To specify the forecasted dates and quantities

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 Description: Numeric value of quantity.	M	R	1/10	Used								
FST02	680	Forecast Qualifier Description: Code specifying the sender's confidence level of the forecast data.	M	ID	1/1	Used								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>C</td> <td>Firm</td> </tr> <tr> <td>D</td> <td>Planning</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	C	Firm	D	Planning						
<u>Code</u>	<u>Name</u>													
C	Firm													
D	Planning													
FST03	681	Forecast Timing Qualifier Description: Code specifying interval grouping of the forecast.	M	ID	1/1	Used								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Discrete</td> </tr> <tr> <td>M</td> <td>Monthly Bucket (Calendar Months)</td> </tr> <tr> <td>W</td> <td>Weekly Bucket (Monday through Sunday)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	D	Discrete	M	Monthly Bucket (Calendar Months)	W	Weekly Bucket (Monday through Sunday)				
<u>Code</u>	<u>Name</u>													
D	Discrete													
M	Monthly Bucket (Calendar Months)													
W	Weekly Bucket (Monday through Sunday)													
FST04	373	Date Description: Date (YYMMDD) schedule is due.	M	DT	6/6	Used								
FST05	373	Date Description: Date (YYMMDD).	O	DT	6/6	Not used								
FST06	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time.	C	ID	3/3	Not used								
FST07	337	Time Description: Time expressed in 24-hour clock time (HHMM, time range: 0000 through 2359).	C	TM	4/4	Not used								
FST08	128	Reference Number Qualifier Description: Code qualifying the Reference Number.	C	ID	2/2	Not used								
FST09	127	Reference Number Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C	AN	1/30	Not used								

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.
- If FST03 - "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval.
- FST06 - To qualify time in FST07. The purpose of the FST07 element is to express the specific time of day in a 24-hour clock, to satisfy "just-in-time" requirements. As an alternative, the ship/delivery pattern segment (SDP) may be used to define an approximate time, such as "AM" or "PM".

Examples:

FST*70*C*D*900108 N/L
FST*84*C*D*900109 N/L
FST*315*C*D*900116 N/L

Engine

Examples:

FST*100*C*D*000606 N/L
FST*100*C*D*000607 N/L
FST*150*C*D*000608 N/L
FST*50*C*D*000609 N/L
FST*100*C*D*000612 N/L

Service Parts

Examples:

FST*45*C*D*950815 N/L
FST*60*C*D*950815 N/L

Loop SHP

Pos: 140	Repeat: 10
Optional	
Loop: SHP	Elements: N/A

To specify shipment and/or receipt information

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
140	SHP	Shipped/Received Information	O	1		Used

Truck

Examples:
 SHP*01*200*050*900104 N/L
 SHP*02*469*051*891101**900104 N/L

Engine

Examples:
 SHP*01*500*050*000605 N/L
 SHP*02*5000*051*991101**000605 N/L

Service Parts

Not Used.

SHP Shipped/Received Information

Pos: 140	Max: 1
Detail - Optional	
Loop: SHP	Elements: 7

User Option(Usage): Used

To specify shipment and/or receipt information

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 Description: Code specifying the type of quantity.	O	ID	2/2	Used										
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Discrete Quantity</td> </tr> <tr> <td>02</td> <td>Cumulative Quantity</td> </tr> <tr> <td>15</td> <td>Quantity in Hold Out</td> </tr> <tr> <td>17</td> <td>Quantity on Hand</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	01	Discrete Quantity	02	Cumulative Quantity	15	Quantity in Hold Out	17	Quantity on Hand				
<u>Code</u>	<u>Name</u>															
01	Discrete Quantity															
02	Cumulative Quantity															
15	Quantity in Hold Out															
17	Quantity on Hand															
SHP02	380	Quantity Description: Numeric value of quantity.	C	R	1/10	Used										
SHP03	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time.	O	ID	3/3	Used										
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>011</td> <td>Shipped</td> </tr> <tr> <td>050</td> <td>Received</td> </tr> <tr> <td>051</td> <td>Cumulative Quantity Start</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	011	Shipped	050	Received	051	Cumulative Quantity Start						
<u>Code</u>	<u>Name</u>															
011	Shipped															
050	Received															
051	Cumulative Quantity Start															
SHP04	373	Date Description: Date (YYMMDD).	C	DT	6/6	Used										
SHP05	337	Time Description: Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O	TM	4/4	Not used										
SHP06	373	Date Description: Date (YYMMDD).	C	DT	6/6	Used										
SHP07	337	Time Description: Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O	TM	4/4	Not used										

Comments:

- The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities, dates, and times.
- If SHP01 = "02", "07", "08", "09", or "10" (indicating cumulative quantities), then SHP04 and SHP06 are required to identify the start and end dates of the quantity count.
- SHP04 - The date shipped, delivered, received, or the cumulative quantity start date (as qualified by SHP03).
- SHP06 - The cumulative quantity end date.

Truck

Examples:
SHP*01*200*050*900104 N/L
SHP*02*469*051*891101**900104 N/L

Engine

Examples:

Service Parts

Not Used.

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 7

User Option(Usage): Used

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

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 Description: Total number of line items in the transaction set.	M	N0	1/6	Used
CTT02	347	Hash Total Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.Example:-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed.----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O	R	1/10	Not used
CTT03	81	Weight Description: Numeric value of weight.	O	R	1/8	Not used
CTT04	355	Unit of Measurement Code Description: Code identifying the basic unit of measurement.	C	ID	2/2	Not used
CTT05	183	Volume Description: Value of volumetric measure.	O	R	1/8	Not used
CTT06	355	Unit of Measurement Code Description: Code identifying the basic unit of measurement.	C	ID	2/2	Not used
CTT07	352	Description Description: A free-form description to clarify the related data elements and their content.	O	AN	1/80	Not used

Comments:

- This segment is intended to provide hash totals to validate transaction completeness and correctness.

Truck

Example:
CTT*1 N/L

Engine

Example:
CTT*1 N/L

Service Parts

Example:
CTT*2 N/L

SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option(Usage): Used

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

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 Description: Total number of segments included in a transaction set including ST and SE segments.	M	N0	1/6	Used
SE02	329	Transaction Set Control Number Description: Identifying control number assigned by the originator for a transaction set.	M	AN	4/9	Used

Comments:

- SE is the last segment of each transaction set.

Truck

Example:
SE*15*0001 N/L

Engine

Example:
SE*16*0001 N/L

Service Parts

Example:
SE*15*0001 N/L

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International Truck and Engine Corporation

APPENDIX of EXAMPLES

April 9, 2002

NOTE: This document is to be used in conjunction with the International 862 Implementation Guideline to illustrate examples and functional definition of this transaction set.

Example I: Truck 862 Shipping ScheduleLineset/Truck Order Shipping Release EDI 862**EDI DATA ELEMENTS**

ST*862*0001 N/L

BSS*05*1790*900105*DL*900105*900201*
002ASM7068710900919****A N/L

N1*ST**92*002ASM N/L

PER*EX*GF N/L

N1*SU**92*7068710 N/L

LIN**BP*123456C1 N/L

UIT*PC N/L

SDP*A*F N/L

FST*70*C*D*900108 N/L

FST*84*C*D*900109 N/L

FST*315*C*D*900116 N/L

SHP*01*200*050*900104 N/L

SHP*02*469*051*891101**900104 N/L

CTT*1 N/L

SE*15*0001 N/L

INTERPRETATION

ANSI transaction set #862 transaction ID number 0001

Replacement Document 1790, Dated 1/5/90, Delivery
Based from 1/5/90 to 2/1/90, Release Number
002ASM70687710900919, Actual Discreet Quantities

The ship to location is Springfield ASM Plant

The International Clerk Code is "GF"

Supplier Code is "7068710"

International Part Number 123456C1.

Indicates that Unit of Measure is Pieces

Ship delivery pattern is Monday thru Friday as directed

Daily Quantity is 70 due on 1/8/90

Daily Quantity is 84 due on 1/9/90

Daily Quantity is 315 due on 1/16/90

Last shipment received was 200 pieces on 1/4/90

Cumulative Receipts from 11/1/89 through 1/4/90 are 469
pieces

Total number of line items is 1

Number of included segments is 15 in transaction ID 0001

Example II: Service Parts 862 Shipping Schedule

This example shows the looping structure for the shipping schedule which provides the ability for a customer to convey precise shipping schedule requirements to a supplier.

EDI DATA ELEMENTS

ST*862*0001 N/L

BSS*00*862*950801*DL*950815*950815*
783 2224560950801***123456789 N/L

N1*SU**92*2224560 N/L

N1*MI**92*783 N/L

N1*ST**92*770-0770 N/L

LIN**BP*500632C92*VP*46211*PO*333456789
N/L

UIT*PC N/L

SDP*A*F N/L

FST*45*C*D*950815 N/L

LIN**BP*386535C1*PO*444456789 N/L

UIT*PC N/L

SDP*A*F N/L

FST*60*C*D*950815 N/L

CTT*2 N/L

SE*15*0001 N/L

INTERPRETATION

ANSI Transaction Set 862, Transaction ID Number is 0001

Replacement Shipping Schedule dated 8/1/95, Delivery Based, Shipping Schedule Horizon Start date is 8/15/95, Shipping Schedule Horizon End date is 8/15/95, Release Number is 783 2224560950801, Purchase Order Number is 123456789.

The International assigned Supplier Code is 2224560.

The Material Release Issuer is International Service Parts.

The Ship-To Location is Baltimore PDC.

Buyer's Part Number is 500632C92, Vendor's Part Number is 46211, Original Purchase Order Number is 333456789.

Unit of Measure is Piece.

The ship/delivery pattern is Monday thru Friday; the ship/delivery pattern time is as directed.

Discrete firm quantity of 45 is due 8/15/95.

Buyer's Part Number is 386535C1, Original Purchase Order Number is 444456789.

Unit of Measure is Piece.

The ship/delivery pattern is Monday thru Friday; the ship/delivery pattern time is as directed.

Discrete firm quantity of 60 is due 8/15/95.

Total number of LIN segments is 2.

Number of included segments is 15, Transaction set ID number is 0001.

Example III: Engine 862 Shipping Schedule

This example shows the looping structure for the shipping schedule which provides the ability for a customer to convey precise shipping schedule requirements to a supplier.

EDI DATA ELEMENTS

ST*862*0001 N/L

BSS*00*862*000606*DL*000606*000626*****
P000001*A N/L

N1*ST**92*040 N/L

N1*SU**92*87878S1 N/L

LIN**BP*123456C1*PO*P000001 N/L

UIT*EA N/L

SDP*N*F N/L

FST*100*C*D*000606 N/L

FST*100*C*D*000607 N/L

FST*150*C*D*000608 N/L

FST*50*C*D*000609 N/L

FST*100*C*D*000612 N/L

SHP*01*500*050*000605 N/L

SHP*02*5000*051*991101**000605 N/L

CTT*1 N/L

SE*16*0001 N/L

INTERPRETATION

ANSI Transaction Set 862, Transaction ID Number is 0001

Original Shipping Schedule dated 06/06/00, Delivery Based, Shipping Schedule Horizon Start date is 06/06/00, Shipping Schedule Horizon End date is 06/26/00, Purchase Order Number is P000001. All quantities are actual discrete quantities.

The Ship-To Location is International Diesel of Alabama, LLC.

The International assigned Supplier Code is 87878S1.

Buyer's Part Number is 123456C1. Purchase Order Number is P000001.

Unit of measure for part number 123456C1 is "EA" for Each.

Ship Delivery Pattern is As Directed.

Discrete firm quantity of 100 is due 06/06/00.

Discrete firm quantity of 100 is due 06/07/00.

Discrete firm quantity of 150 is due 06/08/00.

Discrete firm quantity of 50 is due 06/09/00.

Discrete firm quantity of 100 is due 06/12/00.

Discrete quantity of 500. Received on 06/05/00.

Cumulative quantity of 5000. Cumulative quantity starts on 11/01/99 through 06/05/00.

Total number of LIN segments is 1.

Number of included segments is 16, Transaction set ID number is 0001.