TRUCK MANUFACTURING

Slotted Order – EDI-866

BUSINESS PROCESS GUIDE

Version 004010

August 12, 2005

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EDI 866 Slotted Order Business Process Guide	

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1.   Transaction Definition

Type: Regenerative with each message

Frequency: Variable -- Parameter Controlled

EDI Transaction: ANSI-X12 / AIAG-866

Application:

> The **Slotted Order – EDI-866** Transaction Set (Version 004010) will be used to identify component requirements, for all orders at International, for the next six months. The jobs and related information that appear on the daily Production Sequenced 866 Transactions are excluded from this report. By combining both the Production Sequenced and Slotted Order 866 Transactions it will provide visibility for a maximum of six full months of planning horizon.

> This 866 Transaction uses a "refer back" concept to reduce the repetitive volume of configured modules. See Section 2.6 for a detailed description of the "refer back" concept.

2. Business Procedure Overview

The **Slotted Order – EDI-866** will be used by **INTERNATIONAL** to identify component requirements in weekly/monthly groupings for the Supplier/**INTERNATIONAL** business relationship. For suppliers that perform sub-assembly for **INTERNATIONAL** the EDI-866 with process information will be used to communicate special data. This is detailed in the **International** EDI-866 Process Business Guide.

2.1. Frequency and Responsiveness

The **Slotted Order – EDI-866** will be transmitted to the supplier weekly. The supplier is expected to retrieve the transaction set within 1 business day and to react accordingly with regards to the any changes reflected from the prior transaction set. The transaction set will be made available on a weekly basis in the Nightly Batch Process.

2.2. Availability

INTERNATIONAL will process the **Slotted Order – EDI-866** transactions weekly and the transaction will be delivered in the nightly batch process. Acknowledgment response (EDI-997) will be processed during any of the following process times.

INTERNATIONAL EDI Transaction Processing Window

	From	To
Monday - Friday	00:00	23:00
Saturday	00:00	17:30
Sunday	22:00	00:00

All Times are for the Central Time Zone.

Any EDI transactions submitted to **INTERNATIONAL** during a downtime will remain in **INTERNATIONAL**'s mailbox until the process is resumed. Any transactions generated by **INTERNATIONAL** outside of the processing windows will be suspended and delivered at the next available window.

2.3. Off Hours

For Off Hours Support, **INTERNATIONAL** provides a voice mail system on the EDI Hot Line number and the supplier's Plant EDI Coordinator. Suppliers should leave a message indicating the problem and any related information available about the problem along with a contact and telephone number.

Any EDI transactions that are sent to **INTERNATIONAL** by the supplier will be retained in **INTERNATIONAL**'s mailbox until **INTERNATIONAL**'s system becomes available. Any EDI transactions that **INTERNATIONAL** has to deliver to the supplier will be retained and distributed as soon as **INTERNATIONAL**'s system becomes available.

2.4. **INTERNATIONAL** Expectations of Supplier

INTERNATIONAL expects the Supplier to retrieve each **Slotted Order – EDI-866** in a timely manner. The supplier should process the transaction and forward it to all appropriate disciplines. The Supplier must acknowledge receipt of this document with an EDI 997 within 1 business day.

2.5. *Refer Back Concept*

The **Refer Back Concept** will identify the individual **International** part numbers used in a specific configuration. This enables the separate planning buckets to reference the configuration instead of the individual part numbers. This will greatly reduce the repetitive data transmitted on the 866 Transaction.   The following example outlines requirements for a module which requires 4 ABR (Attribute Based Release) Part numbers and the Job and related date.   The date is the beginning of the week or month that the material is required.

Job	Date	ABR Part # 1	ABR Part # 2	ABR Part # 3	ABR Part # 4
123	6/20/99	1R1	2R1	3R1	4R1
345	7/12/99	1R1	2R1	3R1	4R1
346	8/7/99	1R1	2R1	3R1	4R1
487	8/8/99	1R2	2R2	3R2	4R2
490	8/9/99	1R1	2R1	3R1	4R1
552	8/23/99	1R1	2R1	3R1	4R1
601	8/29/99	1R2	2R2	3R2	4R2
612	9/12/99	1R1	2R1	3R1	4R1
780	10/20/99	1R2	2R1	3R2	4R1
815	11/02/99	1R1	2R1	3R1	4R1
933	11/28/99	1R1	2R1	3R1	-

These jobs would be evaluated for identicalness. For each **unique configuration of feature part numbers,** a sequential configuration number along with a Module Reference Number (MRN) will be assigned. The results will be as follows.

Configuration Number	MRN Number	ABR Part # 1	ABR Part # 2	ABR Part # 3	ABR Part # 3	Job Numbers with same configuration
1	A68E25F6	1R1	2R1	3R1	4R1	123, 345, 346, 490, 552, 612, 815
2	4D9CA3B0	1R2	2R2	3R2	4R2	487, 601
3	E8956CE9	1R2	2R1	3R2	4R1	780
4	69FB9D5B	1R1	2R1	3R1	-	933

Based on a date of 5/27/99 the timeline recap of the above jobs are represented in the following table. Grayed weeks represent lineset weeks that would be communicated via the Production Sequence 866 **and will not be included in the Slotted 866.**

Time Slot	Quantity of Configuration 1/MRN A68E25F6	Quantity of Configuration 2/MRN 4D9CA3B0	Quantity of Configuration 3/MRN E8956CE9	Quantity of Configuration 4/MRN 69FB9D5B
5/28/99 ----— 6/3/99				
6/4/99 --- 6/10/99				
6/11/99 ---- 6/17/99				
6/18/99 --— 6/24/99	1			
6/25/99 ----— 7/1/99				
7/2/99 ----— 7/8/99				
7/9/99 --— 7/15/99	1			
7/16/99 --— 7/22/99				
7/23/99 --— 7/29/99				
7/30/99 ----— 8/5/99				
8/6/99 --— 8/12/99	2	1		
8/13/99 --— 8/19/99				
8/20/99 --— 8/31/99	1	1		
9/1/99 --— 9/30/99	1			
10/1/99 – 10/31/99			1	
11/1/99 – 11/31/99	1			1

3.   EDI Transaction and Business Examples

Example of EDI 866 AIAG Formatted Data for Slotted Orders
See Implementation Guide for Complete Details

The following example shows six months of requirements, excluding the jobs contained on the daily Production Sequenced 866. Four separate configurations with the appropriate part numbers are defined. Followed by weekly requirements along with the International job number and quantity of the configuration. The data used in this EDI example is taken from the example shown in 2.5 Refer Back Concept

EDI DATA ELEMENT	DATA CONTENT	EXPLANATION

EDI DATA ELEMENTS

EDI DATA ELEMENTS	DATA CONTENT	EXPLANATION
ST*866*0001 N/L	ANSI Transaction set 866 Transaction ID number 0001	ANSI transaction set 866, transaction ID Number 0001
BSS*05*R2617S*19990527*PD*19990528*19991130*002ASM12345X1990527****A N/L	Replacement Document R2617S Dated 5/27/99, Planning Horizon from 5/28/99 to 11/31/99, Release Number 02012345X1990527, Actual discrete quantities.	Replacement Document R2617S, Dated 5/27/1999, Planned Delivery Based from 5/28/1999 to 11/30/1999, Release Number 002ASM12345X1990527, Actual Discreet Quantities
N1*ST**92*002ASM N/L	Ship To Location	Indicates Ship-To Location is Springfield Assembly Plant.
ST*866*00001 N/L	Ansi Transaction set 866 Transaction ID number 0001	ANSI transaction set 866, transaction ID Number 0001
BSS*05*R2617S*19990527*PD*19990528*19991130*00212345X1990527****A N/L	Replacement Document R2617S Dated 5/27/99, Planning Horizon from 5/28/99 to 11/31/99, Release Number 00212345X1990527, Actual discrete quantities.	Replacement Document R2617S, Dated 5/27/1999, Planned Delivery Based from 5/28/1999 to 11/30/1999, Release Number 00212345X1990527, Actual Discrete Quantities
N1*ST**92*002 N/L	Ship To Location	Indicates Ship-to Location is Springfield Assembly Plant.
N1*SU**92*12345X1 N/L	Supplier/Manufacturer	The Supplier Code is 12345X1.
DTM*579****RD8*19990528-19991130 N/L	Planned Release Date Range	Planning Horizon from 5/28/1999 through 11/30/1999.
LIN**C4*1*GQ*C*PU* A68E25F6 N/L	Configuration Item Identifier and associated MRN .	Configuration 1 is complete. All discrete part numbers associated with Configuration 1 will also be unique to MRN A68E25F6.
QTY*01*6 N/L	Quantity type	Discrete Quantity of 6 (of following configuration).

EDI DATA ELEMENT	DATA CONTENT	EXPLANATION
SLN*1**I*1*PC****BP*1R1 N/L	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 1R1 is included in Configuration #1, MRN A68E25F6.
SLN*2**I*1*PC****BP*2R1 N/L	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 2R1 is included in Configuration #1, MRN A68E25F6.
SLN*3**I*1*PC****BP*3R1 N/L	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 3R1 is included in Configuration #1, MRN A68E25F6.
SLN*4**I*1*PC****BP*4R1 N/L	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 4R1 is included in Configuration #1, MRN A68E25F6.
LIN**C4*2*GQ*C*PU*4D9CA3B0 N/L	Configuration Item Identifier and associated MRN.	Configuration 2 is complete. All discrete part numbers associated with Configuration 1 will also be unique to MRN 4D9CA3B0.
QTY*01*2 N/L	Quantity type	Discrete Quantity of 2 (of following configuration).
SLN*1**I*1*PC****BP*1R2 N/L	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 1R2 is included in Configuration #2, MRN 4D9CA3B0.
SLN*2**I*1*PC****BP*2R2 N/L	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 2R2 is included in Configuration #2, MRN 4D9CA3B0.
SLN*3**I*1*PC****BP*3R2 N/L	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 3R2 is included in Configuration #2, MRN 4D9CA3B0.
SLN*4**I*1*PC****BP*4R2 N/L	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 4R2 is included in Configuration #2, MRN 4D9CA3B0.
LIN**C4*3*GQ*C*PU*E8956CE9 N/L	Configuration Item Identifier and associated MRN.	Configuration 3 is complete. All discrete part numbers associated with Configuration 1 will also be unique to MRN E8956CE9.
QTY*01*1 N/L	Quantity type	Discrete Quantity of 1 (of following configuration).
SLN*1**I*1*PC****BP*1R2 N/L	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 1R2 is included in Configuration #3, MRN E8956CE9.

EDI DATA ELEMENT	DATA CONTENT	EXPLANATION
SLN*2**I*1*PC****BP*2R1 _{N/L}	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 2R1 is included in Configuration #3, MRN E8956CE9.
SLN*3**I*1*PC****BP*3R2 _{N/L}	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 3R2 is included in Configuration #3, MRN E8956CE9.
SLN*4**I*1*PC****BP*4R1 _{N/L}	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 4R1 is included in Configuration #3, MRN E8956CE9.
LIN**C4*4*GQ*I*PU*69FB9D5B_{N/L}	Configuration Item Identifier and associated MRN.	Configuration 4 is **incomplete**. All discrete part numbers associated with Configuration 1 will also be unique to MRN 69FB9D5B. **When this configuration becomes complete, a new MRN will be associated with the unique collection of feature part numbers.**
QTY*01*1 _{N/L}	Quantity type	Discrete Quantity of 1 (of following configuration).
SLN*1**I*1*PC****BP*1R1 _{N/L}	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 1R1 is included in Configuration #4, MRN 69FB9D5B.
SLN*2**I*1*PC****BP*2R1 _{N/L}	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 2R1 is included in Configuration #4, MRN 69FB9D5B.
SLN*3**I*1*PC****BP*3R1 _{N/L}	Unique id, quantity, unit and Buyers Part Number.	1 piece of Part Number 3R1 is included in Configuration #4, MRN 69FB9D5B.
DTM*579****RD8*19990709-19990715_{N/L}	Planned Release Date Range	Planning Horizon from 7/09/1999 through 7/15/1999.
LIN**JN*345*C4*1_{N/L}	Job Number Identifier	Job number 345 uses Configuration #1
DTM*579****RD8*19990806-19990812_{N/L}	Planned Release Date Range	Planning Horizon from 8/06/1999 through 8/12/1999.
LIN**JN*346*C4*1_{N/L}	Job Number Identifier	Job number 346 uses Configuration #1.
LIN**JN*490*C4*1	Job Number Identifier	Job number 490 uses Configuration #1
LIN**JN*487*C4*2_{N/L}	Job Number Identifier	Job number 487 uses Configuration #2.

EDI DATA ELEMENT	DATA CONTENT	EXPLANATION
QTY*01*2 N/L	Quantity type	Discrete Quantity of 2 of for Configuration 2 for Job 487.
DTM*579****RD8*19990820-19990831 N/L	Planned Release Date Range	Planning Horizon from 8/20/1999 through 8/31/1999.
LIN**JN*552*C4*1 N/L	Job Number Identifier	Job number 552 uses Configuration #1
LIN**JN*601*C4*2 N/L	Job Number Identifier	Job number 601 uses Configuration #2.
DTM*579****RD8*19990901-19990930 N/L	Planned Release Date Range	Planning Horizon from 9/01/1999 through 9/30/1999.
LIN**JN*612*C4*1 N/L	Job Number Identifier	Job number 612 uses Configuration #1
LIN**JN*780*C4*3 N/L	Job Number Identifier	Job number 780 uses Configuration #3.
DTM*579****RD8*19991101-19991130 N/L	Planned Release Date Range	Planning Horizon from 11/01/1999 through 11/30/1999
LIN**JN*815*C4*1 N/L	Job Number Identifier	Job number 815 uses Configuration #1
LIN**JN*933*C4*4 N/L	Job Number Identifier	Job number 933 uses Configuration #4.
CTT*6 N/L	Number of DTM segments	Total Number of DTM Segments are 6.
SE*46*0001 N/L	Segments Transmitted	46 Segments Transmitted in Transaction 0001.

4.   Definition of Terms

Plant Code	002	--	Springfield Assembly Plant
	011	--	Blue Diamond Truck Plant
	015	--	Cab Assembly Stamping
	009	--	Conway Bus Plant
	014	--	Tulsa Bus Plant
	020	--	Chatham Assembly Plant
	062	--	Garland Assembly Plant
	065	--	Escobedo Assembly Plant
	078	--	PEC Facility
	xxxxxxx	--	Designated Remote Receiving Location

5.   INTERNATIONAL Specific Codes

There are no **INTERNATIONAL** specific codes for this transaction set.

6.   Conformance Testing Procedures

Upon readiness **INTERNATIONAL** will transmit an actual transaction set of the supplier's related schedule.