

Section 2

<Ordering>

Purpose: Explains ordering process for mass production including backorder management. Ordering will be done on a daily or weekly frequency and sent via EDI or posted to the NASWEB site. Other subjects that impact ordering (Design Change and Phase Out) are covered in other sections of this manual.

Table of Contents

DWOS Overview.....	2-1
DWOS Order Issue Timing.....	2-2
DWOS Order Issue Routing Overview.....	2-4
Long Range Forecast-Orders View.....	2-5
Firm Order.....	2-7
Firm Order Change.....	2-9
Delivery Adjustment Request.....	2-11
Receiving Discrepancy.....	2-12
Backorder Management.....	2-13



DENSO International America, Inc and related subsidiaries

DOMESTIC WEB ORDERING SYSTEM (DWOS) OVERVIEW

SUBJECT	LONG RANGE FORECAST	SHORT RANGE FORECAST	FIRM
Issue Frequency	Weekly On Original Day	As Required On Non-original Day	*Daily/weekly
Term	24 Weeks	Up to 16 Weeks	Varies
Method	WEB	WEB	WEB
Time	6:00 am EST	6:00 am EST	6:00 am EST
E-mail Notification	Yes	Yes	Yes
Tracking	N/A	N/A	Delivery Order

*Firm orders are issued two different ways:

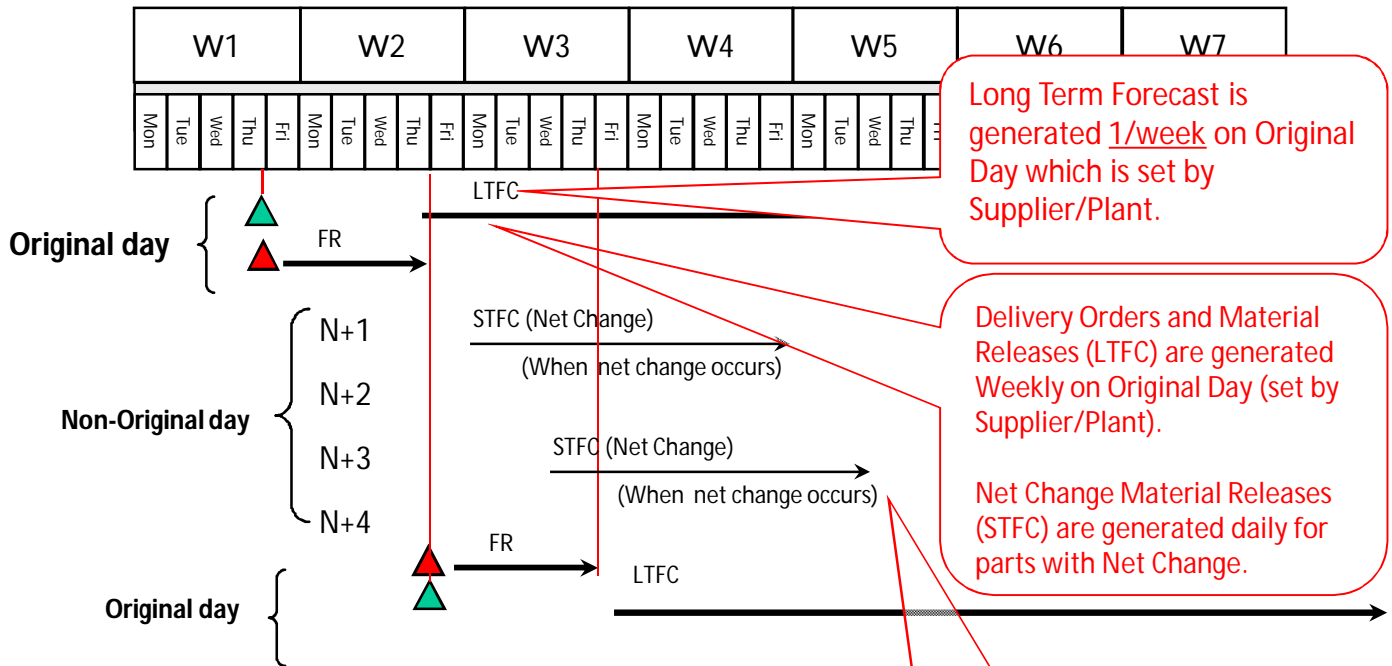
- (1) Weekly: Firm orders issued on original day only
- (2) Daily: Firm orders are issued any day M-F at plant's choice.

(1) DWOS-ORDER ISSUE TIMING (Weekly)

Diagram of Order Issue Timing:

▲ Firm Orders

▲ Assume Thursday as Original Day



Key

LTFC : Long Term Forecast (24 weeks)

Range between 4-24 weeks daily buckets

Range between 0-20 weekly buckets

STFC : Short Term Forecast

Range between 1 – 80 days (by Supplier)

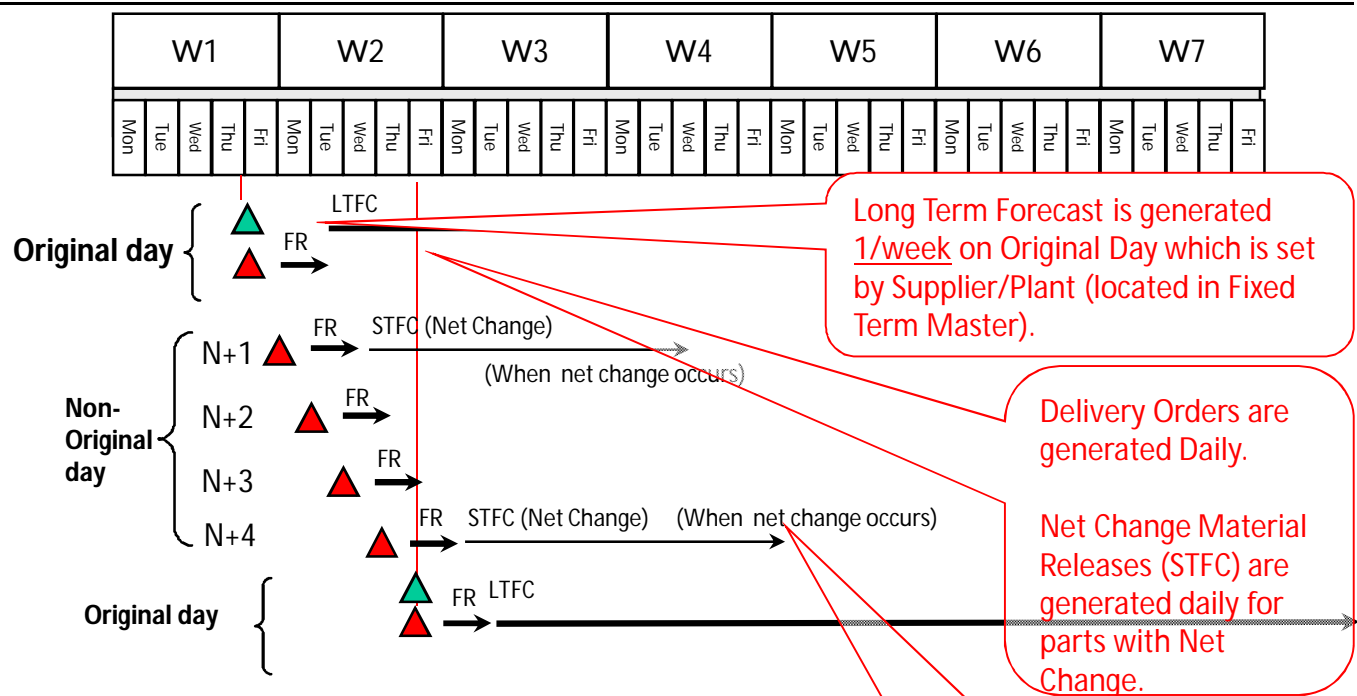
Short Term (Net Change) Forecast is optionally generated based on:

1. % limits set for the part in the DPPSIM.
2. Part set up as Phase Out.
3. New Part
4. Non-normal Inventory Transactions.

(2) DWOS-ORDER ISSUE TIMING (Daily)

Diagram of Order Issue Timing:

- ▲ Firm Orders
- ▲ Assume Thursday as Original Day



Key

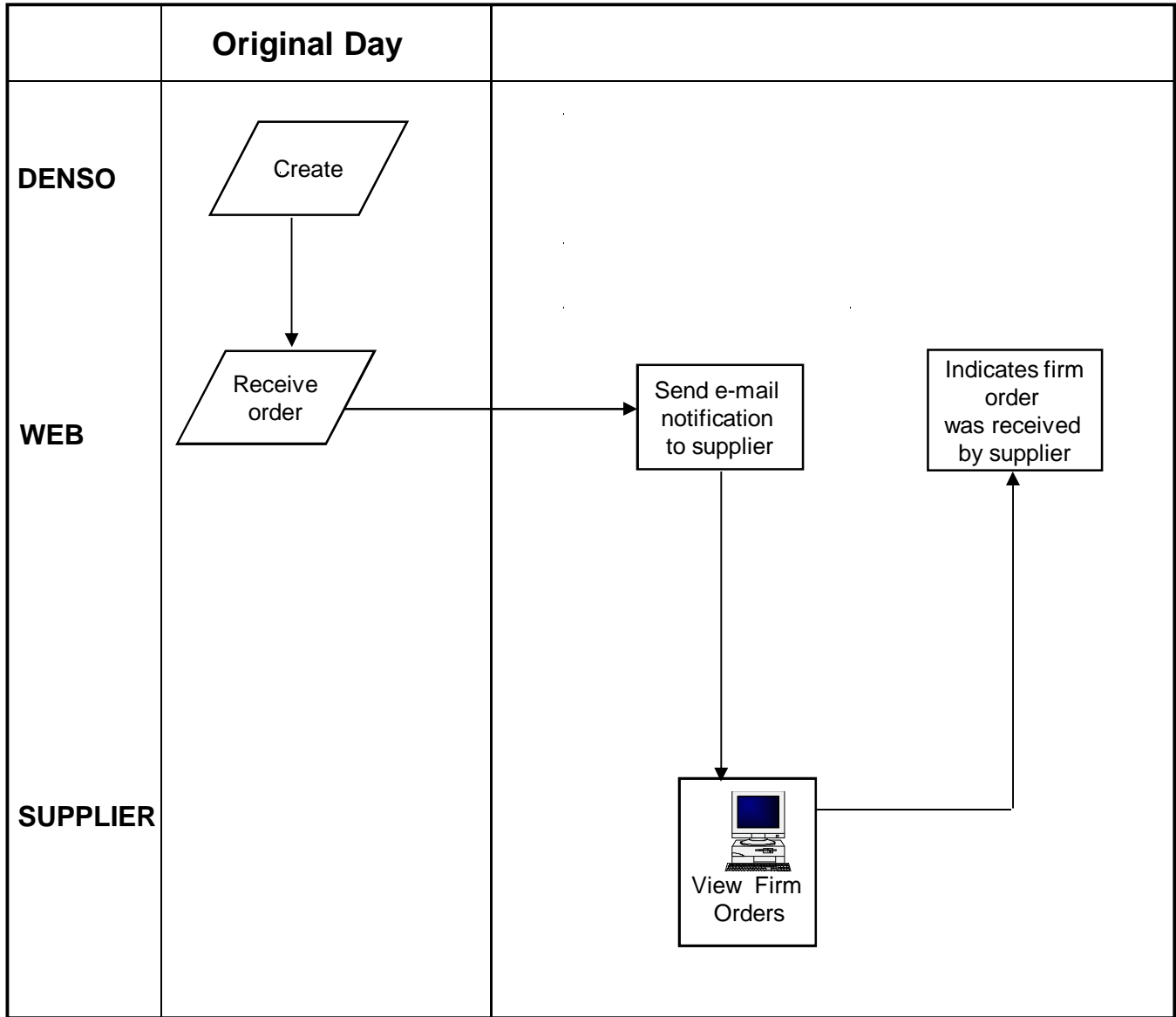
LTFC : Long Term Forecast (24 weeks)
 Range between 4-24 weeks daily buckets
 Range between 0-20 weekly buckets

STFC : Short Term Forecast
 Range between 1 – 80 days (by Supplier)

Short Term (Net Change) Forecast is optionally generated based on:

1. Fluctuation % limits set for the part in the DPPSIM.
2. Part set up as Phase Out.
3. New Part
4. Non-normal Inventory Transactions.

DWOS-ORDER ISSUE ROUTING OVERVIEW

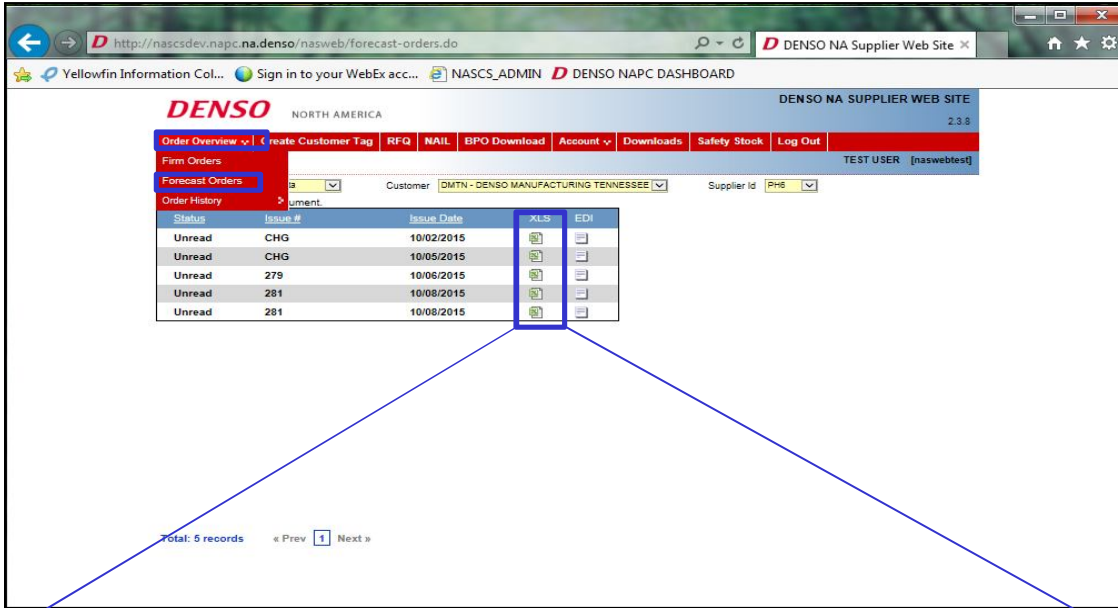




DENSO International America, Inc and related subsidiaries

LONG RANGE FORECAST-ORDERS VIEW

Click on "Forecast Orders" under "Order Overview" tab



LONG RANGE FORECAST-.XLS FILE VIEW

Supplier Code	Buyer Part Number	Buyer Part Description	Supplier F	Supplier F	UOM	Delivery Order	Urgent	Purchase Order Number	Ship To	Ship Date	Ship Time	Due Date	Due Time	D	A	R	Date
WH-PM4	MX084604-84801F	STAY ECM TUBE			EA	--		951580481	WHPTV1			01/18/10					
WH-PM4	MX084604-84801F	STAY ECM TUBE			EA	--		951580481	WHPTV1			01/25/10					
WH-PM4	MX084604-84801F	STAY ECM TUBE			EA	--		951580481	WHPTV1			02/01/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			01/15/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			01/18/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			01/19/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			01/26/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			01/27/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			01/28/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			01/29/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			01/28/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/01/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/02/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/03/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/05/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/08/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/09/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/10/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/15/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/16/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/18/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/22/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			02/25/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			03/01/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			03/04/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			03/06/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			03/11/10					
WH-PM4	MX084690-12402F	ECM SOL ASSY			EA	--		951580481	WHPTV1			03/15/10					

FIRM ORDER

<p>PURPOSE</p>	<p>To provide a firm shipping order (Delivery Order). This page will provide an explanation of the timing, responsibility, and information flow associated with Firm Orders.</p>
<p>TIMING</p>	<p>DENSO: Issued to supplier based on DENSO planner/supplier agreement.</p>
<p>CREATED BY</p>	<p>DENSO P.C.</p>
<p>ROUTING</p> <p>DENSO</p> <p>WEB PROVIDER</p> <p>SUPPLIER</p>	<pre> graph TD A[/Send Firm Order with D.O.# to Web-site/] --> B[Display Firm Orders] B --> C[Send E-mail notification to supplier] C --> D[View Firm Orders] D --> E[Indicates order was received by supplier] </pre>



DENSO International America, Inc and related subsidiaries

FIRM ORDER VIEW

Click on “Firm Orders” under “Order Overview” tab.

The screenshot shows the DENSO NA Supplier Web Site interface. The navigation menu includes 'Order Overview', 'Create Customer Tag', 'NAIL', 'BPO Download', 'Account', 'Downloads', 'Safety Stock', and 'Log Out'. The 'Firm Orders' section is active, displaying a table of orders. The table has columns for Status, EDI#, Issued Date, Due Date, XLS, and EDI. The XLS and EDI columns are highlighted with blue boxes and labeled (1.) and (2.) respectively.

Status	EDI#	Issued Date	Due Date	XLS	EDI
Unread	EDIFO00670	07/20/2017	07/20/2017	(1.)	(2.)
Unread	EDIFO00671	07/25/2017	07/25/2017	(1.)	(2.)
Unread	EDIUG00275	07/20/2017	07/20/2017	(1.)	(2.)

(1.) Shows Firm Orders listed in Excel format

(2.) Shows Firm Orders as they are sent in raw EDI format.

FIRM ORDER CHANGE SCREEN VIEW

- When Firm orders are changed, a new DO# is created adding "01" to the end of the original
- The original order is moved to the "Firm Order History" and the change is loaded to current "Firm Orders."

DENSO NORTH AMERICA DENSO NA

Order Overview ▾ Create Customer Tag NAIL BPO Download Account ▾ Downloads Safety Stock Log Out

Firm Orders

Data Type: Order Documents ▾ Customer: DMTN - DENSO MANUFACTURING TENNESSEE ▾ Supplier Id: A21608 ▾

Click an icon to open or edit a document.

Status	Delivery Order #	Issued Date	Due Date ▾	Shipping Schedule	Tag	Ship Notice
Open	70921001	07/20/2017	09/21/2017			
Open	70920004	07/20/2017	09/20/2017			
Open	70918006	07/20/2017	09/18/2017			
Open	70914002	07/13/2017	09/14/2017			
Open	70913005	07/13/2017	09/13/2017			
Open	70911005	07/13/2017	09/11/2017			
Open	70907001	07/06/2017	09/07/2017			
Open	70906006	07/06/2017	09/06/2017			
Open	70901010	06/29/2017	09/01/2017			
Open	70831002	06/29/2017	08/31/2017			
Open	70830004	06/29/2017	08/30/2017			
Open	7082801101	07/19/2017	08/28/2017			
Open	NEW ORDER	06/22/2017	08/24/2017			
Open	70821011	06/22/2017	08/23/2017			
Open	70821011	06/22/2017	08/21/2017			

Total: 41 orders « Prev **1** 2 3 Next »

***Note:** If supplier already shipped against the original DO#, contact your PC Planner to make clear shipping details to avoid shortage & paperwork issues.



DENSO International America, Inc and related subsidiaries

FIRM ORDER CHANGE SCREEN VIEW (Continued)

NORTH AMERICA
DENSO

Order Overview ▾
Create Customer Tag
NAIL
BPO Download
Account ▾
Downloads
Safety Stock
Log Out

Firm Order History

Data Type Order Documents ▾
Customer DMTN - DENSO MANUFACTURING TENNESSEE ▾
Supplier Id A21608 ▾

Click an icon to open a document.

Delivery Order #	Issued Date ▲	Due Date	Shipping Schedule	Tag	Ship Notice
70626064	06/14/2017	06/26/2017			
70627024	06/14/2017	06/27/2017			
70628041	06/14/2017	06/28/2017			
70629029	06/14/2017	06/29/2017			
70630057	06/14/2017	06/30/2017			
70705055	06/21/2017	07/05/2017			
70706034	06/21/2017	07/06/2017			
70707035	06/21/2017	07/07/2017			
70710087	06/28/2017	07/10/2017			
70712058	06/28/2017	07/12/2017			
70714050	06/28/2017	07/14/2017			
70713048	06/28/2017	07/13/2017			
70711038	06/28/2017	07/11/2017			
70828011	06/29/2017	08/28/2017			
	5/2017	07/18/2017			

ORIGINAL ORDER

Total: 158 orders
« Prev
1
2
3
4
5
6
7
8
9
10
11
Next »

DELIVERY ADJUSTMENT REQUEST

PURPOSE	To notify DENSO P.C. that a delivery will not be made on time and to provide the supplier's promise of make-up delivery.
TIMING	ASAP upon supplier's realization that delivery will not be on time. If DENSO can accept the adjusted date, the order will be modified.
CREATED BY	SUPPLIER
ROUTING DENSO WEB PROVIDER SUPPLIER	<pre> graph TD A[Realize need to reschedule] --> B[Create Delivery Adjustment Request] B --> C[Send E-mail notification to DENSO GC] C --> D{Check} D -- OK --> E[/Change Firm Order/] E --> F[Display Changed Orders] F --> G[View Changed Orders] D -- Not OK --> H[/Negotiate with Supplier/] </pre>



DENSO International America, Inc and related subsidiaries

RECEIVING DISCREPANCY

ASN Status [DO# 30405033] [DENSO MANUFACTURING MICHIGAN]

ASN Number	Last Modified	ASN Sent	Shipment Received	Status	View Errors	View DO	Edit	Delete	Send ASN	Cancel ASN
New										
001002743	04/05/2013 13:29		04/05/2013	Parts Rcv w/o ASN						
001002742	04/05/2013 13:26	04/05/2013 13:27		Receiving Discrepancy						
001002740	04/05/2013 12:53	04/05/2013 13:09		Cancelled						

- If physical receiving qty does not match ASN qty, a discrepancy report will be posted to NASWEB with details.
- Report contains part #, ASN qty and Actual Received qty.

Print Date: 04/05/2013	DENSO MFG. MICHIGAN, INC.		Page: 1		
SHIPPING DISCREPANCY REPORT					
Plant / Dock . : DMMIM1 / S1	Orig Delivery Ord: 30319030				
ASN Number. : 001002744	Curr Delivery Ord: 30319030				
Supplier Code: K97	Truck Route: MN1-391				
AINAK - K97					
Part Number	Description	ASN QTY	Rcvd Qty	Discrepancy	Error Msg
AA146540-2810	BRACKET	24	12	12	Quantity Short

- If this report is posted, please follow up with Denso PC and the NAGC Trade Compliance department ASAP to avoid payment issues (Trade Compliance Contact list located in “General” section on DIAM website).

BACKORDER MANAGEMENT

<p>PURPOSE</p>	<p>To Provide shipping information for all make-up shipments for DENSO when a partial was shipped against the original order.</p> <p>To provide a method for the supplier to track backordered shipments.</p>
<p>TIMING</p>	<p>SUPPLIER: At the time of shipping. If requested, DENSO expects all backordered parts to be expedited at the <u>supplier's expense.</u></p>
<p>CREATED BY</p>	<p>The supplier should create Delivery Orders and Labels from the Web-site to ship backordered parts with ASN.</p>
<p>ROUTING</p> <p>DENSO</p> <p>WEB PROVIDER</p> <p>SUPPLIER</p>	<pre> graph TD DENSO[/Send Firm Order with D.O.# to Web-site/] --> WP[Display Firm Orders] WP --> EMail[Send E-mail notification to supplier] EMail --> S[View Firm Orders] S --> I[Indicates order was received by supplier] </pre>