Advanced Ship Notice
EDI 856

OVERVIEW

General

The Advanced Ship Notice (ASN) transaction is used by the vendor when communicating information to General Mills about the incoming deliveries of raw materials going to our facilities. This encompasses packaging and ingredient materials. The process involves General Mills sending you a purchase order (via EDI 850). When the actual shipment happens, you send the ASN via the 856 so we have more precise details when we are ready to receive. GMI is focusing on pallet level detail (packaging or ingredients) ASN's. Bulk ASN's are not part of this project.

See "SO_856_X12_4010_I59_Vendor_ASN.pdf" for detailed specifications – they show the information we are mapping into our process (you can send extra segments if you want – we will ignore).

Connectivity

General Mills uses a VAN for vendor EDI transactions. Please make arrangements to send the 856 to Sterling, our current van, either directly or via interconnect from your VAN. Our ID's are shown in Appendix A.

If high volume and previous experience, we may be able to establish AS2 connectivity to move EDI data directly. This would be considered a separate initiative with others in the EDI department.

Acknowledgements

General Mills will send a 997 Functional Acknowledgement in response to all 856 transactions received.

If something is out of compliance within the 856 EDI transaction, we will communicate the issue via e-mail and instruct you to correct and resend. If there are data issues with what you send, someone will work with your EDI and/or business users to resolve going forward.

Timing

General Mills processes these transactions through our translator and our application throughout the day, as it is quite important to send these in a timely way. The clearest example is that the data on the ASN is used by the receiving location when the truck arrives, so depending on proximity from your site to the unload site, timeliness is key! We expect the ASN to be sent (real time, not batched) when the truck is closed, seal placed and the trailer is dispatched.

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IMPLEMENTATION PROCESS

The following steps outline the testing process General Mills uses to insure all requirements are tested and verified. Please refer to these steps as you progress through the implementation process.

Business Review -- One on One meeting to be scheduled by the Business Rollout Lead from General Mills.

- The ASN program will be reviewed with appropriate business and systems personnel at the supplier. This will include discussing the supplier's EDI capabilities including the level to which this process is integrated into their application systems.

- Gain commitment on project objectives and timeline. This may include startup on EDI Purchase Orders (as well as PO Changes) and EDI Invoicing if not already in production.

EDI Review -- Coordinated by General Mills Electronic Commerce lead.

- Exchange EDI Technical Contacts information – all involved in testing process.

- Confirm any test ID's vs. Production; Name of Value Added Network if new partner.

- Review project timelines and how we will interact to achieve.

Testing Scenarios

- General Mills will send test PO's to supplier for use in the testing. Or, better yet, the supplier can respond to a current PO they have received from production.

- The supplier will send 856's to General Mills covering most typical scenario and if applicable to vendor: multiple PO's on ASN; Multiple items / lots / dates codes on a pallet -- See **Examples 1 & 2.**

- Ensure that the estimated (DTM 017) delivery date is later than the shipped date or ASN will fail.

- A sample BOL (bill of lading) is required to be sent as part of the testing.

- Label samples will also be asked for to review as part of the testing.

- At the same time, we will be testing setup and connectivity between our companies (although some testing can be accomplished through email attachments).

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Production Go-Live

- The go-live date will be set after the 856 testing is approved by General Mills in concurrence with the supplier. We will also account for any startup timing with the receiving plant.

OTHER FREQUENTLY ASKED QUESTIONS

Carrier Information If you manage the freight (not buyer pickup).

- We require the TD5 segment: specifically, the TD502 (value = 2) and TD503 (the SCAC) on the ASN.

- We require the TD3 segment: specifically, the TD301 (value = TL), the TD302 (the Trailer initial) and TD303 (the Trailer number) on the ASN. We will also use the TD309 Seal Number if provided.

- Carrier information on the vendor ASN is used to streamline the truck arrival process. Without this information, a truck needs to be "manually" arrived within GMI system, which slows the truck arrival and receipt process at our plants.

Manufacturing Dates

- Manufacturing dates are required for all materials and lot codes you send to us: specifically, the DTM01 (value = 094) and DTM02 within the HL Item loop.

Lot Codes

- Lot codes are always required unless the material involved is packaging that *does not* touch the food product. In other words, they are needed for ingredient and food contact materials. If packaging vendors have them available, we ask them to be sent in all instances.

- Lot codes are determined by the supplier – format is free form up to 10 digits.

- Lot codes will be associated with the manufactured products in our warehouse management systems. This will allow General Mills to zero in on food safety concerns that may be related to various inputs.

- Usually there is just one lot code per pallet. General Mill's business processes request *no more than 2 lot codes per pallet*, but send what is actually there.

- Note that a manufacturing date is still required even if lot code is not.

- Lot code information is sent in the SLN segment – see specifications for format.

- Contact the Business Rollout Lead from General Mills for further business related questions on this topic.

Pallet Bar codes

- These are included in the ASN in the MAN02 *unless it is a bulk material code*.

- The 20-digit SSCC-18 code in the ASN data must match up to the physical bar code placed on the pallet of product.

- Further information on these specifications are provided in the following document available from your EDI coordinator:

  Vendor Pallet Label Requirements.doc

- Label Placement: Labels should be placed on 2 adjacent sides of the pallet, one side facing the un-loader. Further placement discussions should be coordinated with your business team and the Business Rollout Lead from General Mills.

- Some vendors may choose to incorporate the SSCC-18 bar code in with current labeling requirements for General Mills. If that approach is taken, discussions should be coordinated with your business team and the Business Rollout Lead from General Mills who will ultimately approve the entire label.

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EXAMPLE – 856 with pallet level detail

```
ST*856*05176646
BSN*00*1105176646*20080302*1955*0001
HL*1**S
TD1**27785****G*23374.766*LB
TD5**2*SCAC*M*SCAC Truck
TD3*TL*SCAC*7771******seal
REF*BM*1105176646
DTM*011*20080302*1955
DTM*017*20080302*2240
N1*SF*Supplier Plant*9*0595335470000
N3*1234 Address Rd
N4*City*ST*ZIP##*US
N1*ST*EAST GM-COVINGTON
N3*16270 AVE OF CHAMPIONS
N4*COVINGTON*GA*30014*US
HL*2*1*O
PRF*43454897
```

Example of loops with no lot codes on the pallet
```
HL*3*2*T
MAN*GM*00100732915339146079
PAL*6******57*48*41.875*IN*588.891*LB
HL*4*3*I
LIN**BP*3279100555
SN1**700*EA
PID*F****32-79100-555 CCP 172
DTM*094*20080301
```

Example of loops with one lot code on the pallet
```
HL*5*2*T
MAN*GM*00100732915339146086
PAL*6******57*48*41.875*IN*588.891*LB
HL*6*5*I
LIN**BP*3279100555
SN1**700*EA
SLN*1**I*700*EA****LT*Lot1
DTM*094*20080302
```

Example of loops with two lot codes (and same date code) on a pallet (repeat material loops to allow another lot)
```
HL*7*2*T
MAN*GM*00100732915339146093
PAL*6******57*48*41.875*IN*588.891*LB
HL*8*7*I
LIN**BP*3279100555
SN1**300*EA
SLN*1**I*300*EA****LT*Lot1
DTM*094*20080303
HL*9*7*I
LIN**BP*3279100555
SN1**400*EA
SLN*2**I*400*EA****LT*Lot2
DTM*094*20080303
```

Example of loops with two lot codes and two date codes (repeat material loops to allow another date)
```
HL*10*2*T
MAN*GM*00100732915339146093
PAL*6******57*48*41.875*IN*588.891*LB
HL*11*10*I
LIN**BP*3279100555
SN1**300*EA
SLN*1**I*300*EA****LT*Lot1
DTM*094*20080301
HL*12*10*I
LIN**BP*3279100555
SN1**400*EA
SLN*1**I*400*EA****LT*Lot2
DTM*094*20080302
```

Example of loops with two material numbers, lot codes and date codes on same pallet
```
HL*13*2*T
MAN*GM*00100732915339146093
PAL*6******57*48*41.875*IN*588.891*LB
HL*14*13*I
LIN**BP*3279100555
SN1**350*EA
SLN*1**I*350*EA****LT*Lot1
DTM*094*20080301
HL*15*13*I
LIN**BP*3279100666
SN1**350*EA
SLN*1**I*350*EA****LT*Lot2
DTM*094*20080302
```

Several more loops not shown….
```
CTT*82*27785
SE*301*05176646
```

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EXAMPLE – 856 with Multi PO and pallet level detail

```
ST*856*05176646
BSN*00*1105176646*20080302*1955*0001
HL*1**S
TD1**27785****G*23374.766*LB
TD5**2*SCAC*M*SCAC Truck
TD3*TL*SCAC*7771******seal
REF*BM*1105176646
DTM*011*20080302*1955
DTM*017*20080302*2240
N1*SF*Supplier Plant*9*0595335470000
N3*1234 Address Rd
N4*City*ST*ZIP##*US
N1*ST*EAST GM-COVINGTON
N3*16270 AVE OF CHAMPIONS
N4*COVINGTON*GA*30014*US
HL*2*1*O
PRF*43454897
```

Example of loops with no lot codes on the pallet
```
HL*3*2*T
MAN*GM*00100732915339146079
PAL*6******57*48*41.875*IN*588.891*LB
HL*4*3*I
LIN**BP*3279100555
SN1**700*EA
PID*F****32-79100-555 CCP 172
DTM*094*20080301
```

Example of loops with one lot code on the pallet
```
HL*5*2*T
MAN*GM*00100732915339146086
PAL*6******57*48*41.875*IN*588.891*LB
HL*6*5*I
LIN**BP*3279100555
SN1**700*EA
SLN*1**I*700*EA****LT*Lot1
DTM*094*20080302
```

Example of loops with two lot codes (and same date code) on a pallet (repeat material loops to allow another lot)
```
HL*7*2*T
MAN*GM*00100732915339146093
PAL*6******57*48*41.875*IN*588.891*LB
HL*8*7*I
LIN**BP*3279100555
SN1**300*EA
SLN*1**I*300*EA****LT*Lot1
DTM*094*20080303
HL*9*7*I
LIN**BP*3279100555
SN1**400*EA
SLN*2**I*400*EA****LT*Lot2
DTM*094*20080303
```

Example of loops with two lot codes and two date codes (repeat material loops to allow another date)
```
HL*10*2*T
MAN*GM*00100732915339146093
PAL*6******57*48*41.875*IN*588.891*LB
HL*11*10*I
LIN**BP*3279100555
SN1**300*EA
SLN*1**I*300*EA****LT*Lot1
DTM*094*20080301
HL*12*10*I
LIN**BP*3279100555
SN1**400*EA
SLN*1**I*400*EA****LT*Lot2
DTM*094*20080302
```

Example of loops with two material numbers, lot codes and date codes on same pallet
```
HL*13*2*T
MAN*GM*00100732915339146093
PAL*6******57*48*41.875*IN*588.891*LB
HL*14*13*I
LIN**BP*3279100555
SN1**350*EA
SLN*1**I*350*EA****LT*Lot1
DTM*094*20080301
HL*15*13*I
LIN**BP*3279100666
SN1**350*EA
SLN*1**I*350*EA****LT*Lot2
DTM*094*20080302
```

Example of Multi PO on the same shipment
```
HL*16*1*O
PRF*43454898
```

Example of loops with one lot code on the pallet
```
HL*17*16*T
MAN*GM*00100732915339146086
PAL*6******57*48*41.875*IN*588.891*LB
HL*18*17*I
LIN**BP*3279100555
SN1**700*EA
SLN*1**I*700*EA****LT*Lot1
DTM*094*20080302
```

Several more loops not shown….
```
CTT*82*28485
SE*301*05176646
```

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Appendix A – ISA/GS

Below is an example of the Interchange and Group envelopes that wrap the shipment status transaction sets.

Note General Mills ID's presented in this example:
ISA Qualifier: 08
ISA: 9251190000
GS: 6125404455

```
ISA*00*          *00*          *ZZ*VENDORID       *08*9251190000
*080101*2245*U*00401*000000001*0*P*\
GS*IN*VENDORID*6125404455*20080101*2245*1*X*004010
.
.
.
.
GE*1*1
IEA*1*000000001
```