OVERWAITEA FOOD GROUP
EDI IMPLEMENTATION GUIDE 856 VICS 4010

Change History –

- 6/1/09 – Item Level REF was missing qualifier. That has been updated.
- 6/10/09 – Changed Shipment level TD3, N3 and N4 from Mandatory to Optional
- 6/24/09 –
  - Changed shipment level TD1 segments from Mandatory to Conditional. Overwaitea requests that both the number of pallets and the number of cartons be sent however; if only one can be supported by the suppliers then the number of Cartons is mandatory. Also added notes that Gross weight at the shipment level can only be included in one of the TD1 occurrencs and that at the order level TD1 with the same condition
  - Changed shipment level TD109/10 – Volume from Mandatory to Optional
  - Changed TD5 segment from Mandatory to Optional
- 7/6/09 – Added example of Loose Carton ASN each level for DSD shipments
- 8/14/09 –
  - Added example of Loose Carton ASN case level for DSD shipments
  - Updated N1 segment to allow the supplier to send their phone number + 4 digit as the Ship From Duns +4 number in N104

EDI Control Characters Used by Overwaitea Food Group:

The following control characters are sent/received by the Overwaitea Food Group

Use	Value	Character	Description
" * "	2A Hex	Asterisk	Element Separator
" > "	3E Hex	Greater Than	Sub-Element Separator
" ~ "	7E Hex	Tilde	Segment Terminator

856 Ship Notice/Manifest Specifications (ASN)

The following segments are required by the Overwaitea Food Group:

Use	Max	Segment	Description
M	1	ST	Transaction Set Header
M	1	BSN	Beginning Segment for Ship Notice

Hierarchical Level – Shipment Loop (Mandatory)

Use	Max	Segment	Description
M	1	HL	Hierarchical Level – Shipment
C	2	TD1	Carrier Details (Quantity & Weight) – Shipment
O	1	TD5	Carrier Details (Routing Sequence/Transit Time) – Shipment
O	1	TD3	Carrier Details (Equipment) – Shipment
O	1	TD4	Carrier Details (Special Handling or Hazardous or Both)
M	1	REF	Reference Identification – Shipment
O	1	PER	Administrative Communications Contact – Shipment
M	2	DTM	Date/Time Reference – Shipment
M	2	N1	Name – Shipment
O	1	N3	Address Information
O	1	N4	Geographic Location

Hierarchical Level – Order Loop (Mandatory)

Use	Max	Segment	Description
M	1	HL	Hierarchical Level - Order
M	1	PRF	Purchase Order Reference – Order
C	2	TD1	Carrier Details (Quantity & Weight) - Order
O	1	REF	Reference Information - Order (if invoice number if available)

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C	1	N1	Name – Order
C	1	N3	Address Information – Order
C	1	N4	Geographic Locations - Order

Hierarchical Level – Tare Loop (conditional if identifiable pallet)

C	1	HL	Hierarchical Level – Tare (If identifiable pallet)
C	1	MAN	Marks and Numbers – Tare
O	1	PAL	Pallet Information – Tare

Hierarchical Level – Pack Loop (conditional if random weight or ordered in eaches)

M	1	HL	Hierarchical Level – Pack
M	1	LIN	Item Identification – Pack
C	1	SN1	Item Detail (Shipment) – Pack (If KG or EA)
M	1	MAN	Marks and Numbers – Pack

Hierarchical Level – Item Loop (Mandatory)

M	1	HL	Hierarchical Level – Item
M	1	LIN	Item Identification – Item
M	1	SN1	Item Detail – Item
M	1	PO4	Item Physical Details – Item
M	1	PID	Product/Item Description – Item
O	1	REF	Reference Identification - Item
C	1	DTM	Date/Time Reference – Item
M	1	CTT	Transaction Totals
M	1	SE	Transaction Set Trailer

BSN   Beginning Segment for Ship Notice

Pos	Use	EltNr	Description	Usage
01	M	353	Transaction Set Purpose Code	00 - Original ASN
02	M	396	Shipment Identification	
03	M	373	Shipment Date	
04	M	337	Shipment Time	
05	O	1005	Hierarchical Structure Code	0001 – Shipment, Order, Packaging, Item

HL   Hierarchical Level - Shipment

Pos	Use	EltNr	Description	Usage
01	M	628	Hierarchical ID Number	1 - Shipment
03	M	735	Hierarchical Level Code	S - Shipment

TD1   Carrier Details (Quantity and Weight) - Shipment

Pos	Use	EltNr	Description	Usage
01	M	103	Packaging Code (Part 1)	CTN – Carton PLT – Pallet
	O		Packaging Code (Part 2)	01 – Aluminum 25 – Corrugated or Solid 31 – Fibre 58 – Metal

71 – Not Otherwise Specified
76 – Paper
79 – Plastic
91 – Stainless Steel
94 - Wood

Pos	Use	EltNr	Description	Usage
02	C	80	Lading Quantity	
06	M	187	Weight Qualifier	G – Gross Weight
07	M	81	Weight	
08	M	355	Unit or Basis for Measurement Code	KG – Kilogram
09	O	183	Volume	
10	C	355	Unit or Basis for Measurement Code	CF – Cubic Feet

Note: Overwaitea requests that both the number of pallets and the number of cartons be sent however, if only one can be supported by the suppliers then the number of Cartons is mandatory. If both are sent, Gross Weight (TD06/07) are only allowed in one of the TD1 occurrences

TD5   Carrier Details (Routing Sequence/Transit Time) - Shipment

Pos	Use	EltNr	Description	Usage
01	O	133	Routing Sequence Code	1 – 1st Carrier after Origin Carrier
				2 – 2nd
				3 – 3rd
				4 – 4th
				5 – 5th
				6 – 6th
				7 – 7th
				8 – 8th
				9 – 9th
				A – Origin Carrier, Agent's Routing (Rail)
				B – Origin/Delivery Carrier (Any Mode)
				O – Origin Carrier (Air, Motor or Ocean)
				S – Origin Carrier, Shipper's Routing (Rail)
02	M	66	Identification Code Qualifier	2 – Standard Carrier Alpha Code (SCAC)
03	C	67	Identification Code	
04	M	91	Transportation Method/Type Code	H – Customer Pickup
				M – Motor (Common Carrier)
05	M	387	Routing	
06	C	368	Shipment/Order Status Code	CC – Shipment Complete on (Date)

TD3   Carrier Details (Equipment) – Shipment

Pos	Use	EltNr	Description	Usage
01	C	40	Equipment Description	CV – Closed Van
				FT – Flat Bed Trailer
				RT – Controlled Temp (Reefer)
				TL – Trailer (not specified)
03	C	207	Equipment Number	Trailer number

TD4   Carrier Details (Special Handling or Hazardous Materials or Both) - Shipment

Pos	Use	EltNr	Description	Usage
01	C	152	Special Handling Code	CC – Full Container, Consolidator
				CF – Container Factory Loaded
				LN – Less Than Container, Consolidator
				LR – Less Than Container, Factory Loaded
				TC – Trailer, Consolidator

TF – Trailer, Factory Load

REF   Reference Information - Shipment

Pos	Use	EltNr	Description	Usage
01	M	128	Reference Identification Qualifier	BM – Bill of Lading
				CN – Carrier Reference Number
02	C	127	Reference Identification	

Note: For LTL or Truck load shipments qualifier BM is required. For small package carriers (UPS FEDEX) qualifier CN is required

PER   Administrative Communications Contact – Shipment

Pos	Use	EltNr	Description	Usage
01	M	366	Contact Function Code	DI – Delivery Instructions
02	O	93	Name	
03	C	365	Communication Number Qualifier	TE – Telephone
04	C	364	Communication Number	

DTM   Date/Time Reference - Shipment

Pos	Use	EltNr	Description	Usage
01	M	374	Date/Time Qualifier	011 – Shipped
				067 – Current Scheduled Delivery
02	C	373	Date	
03	C	337	Time	

Note: Ship date is mandatory

N1   Name – Shipment

Pos	Use	EltNr	Description	Usage
01	M	98	Entity Identifier Code	SF – Ship From
				ST – Ship To
02	C	93	Name	
03	C	66	Identification Code Qualifier	9 – DUNS with Suffix (9+4) ST or SF
				9 – DUNS+4 (phone number + 4) SF
04	C	67	Identification Code	

Note: Both N1 Loops are required.
N104 for the ship to (N101 = ST) is the duns + 4 number assigned by Overwaitea Foods for their location
N104 for the ship from (N101 = SF) can be the supplier assigned duns + 4 number or the suppliers Phone number + 4 digit suffix

N3   Address Information - Shipment

Pos	Use	EltNr	Description	Usage
01	M	166	Address Information	

N4   Geographic Location - Shipment

Pos	Use	EltNr	Description	Usage

01	M	19	City Name
02	M	156	State or Province Code
03	M	116	Postal Code
04	O	26	Country Code

HL   **Hierarchical Level - Order**

Pos	Use	EltNr	Description	Usage
01	M	628	Hierarchical ID Number	
02	O	734	Hierarchical Parent ID	
03	M	735	Hierarchical Level Code	O – Order

PRF   **Purchase Order Reference – Order**

Pos	Use	EltNr	Description	Usage
01	M	324	Purchase Order Number	

TD1   **Carrier Details (Quantity & Weight) - Order**

Pos	Use	EltNr	Description	Usage
01	O	103	Packaging Code (Part 1)	CTN – Carton PLT – Pallet
02	C	80	Lading Quantity	
06	O	187	Weight Qualifier	G – Gross Weight
07	C	81	Weight	
08	C	355	Unit of Basis for Measurement Code	KG - Kilograms

Note: Overwaitea requests that both the number of pallets and the number of cartons be sent however, if only one can be supported by the suppliers then the number of Cartons is mandatory

REF   **Reference Information - Shipment**

Pos	Use	EltNr	Description	Usage
01	M	128	Reference Identification Qualifier	IV – Invoice Number if Available
02	C	127	Reference Identification	

N1   **Name - Order**

Pos	Use	EltNr	Description	Usage
01	M	98	Entity Identifier code	BY – Buying Party (Purchaser)
02	C	93	Name	
03	C	66	Identification Code Qualifier	9 – DUNS with Suffix (9+4)
04	C	67	Identification Code	

Note: This segment is required for Cross Dock Shipments

N3   **Address Information - Order**

Pos	Use	EltNr	Description	Usage
01	M	166	Address Information	

N4   **Geographic Location - Order**

Pos	Use	EltNr	Description	Usage
01	O	19	City Name	

02	O	156	State or Province Code
03	O	116	Postal Code
04	O	26	Country Code

HL   Hierarchical Level – Tare (Pallet)

Pos	Use	EltNr	Description	Usage
01	M	628	Hierarchical ID Number	
02	O	734	Hierarchical Parent ID Number	
03	M	735	Hierarchical Level Code	T – Shipping Tare

MAN   Marks and Numbers – Tare (Pallet)

Pos	Use	EltNr	Description	Usage
01	M	88	Marks and Numbers Qualifier	GM – SSCC-18 & Application Identifier
02	C	87	Marks and Numbers	

PAL   Pallet Information – Tare (Pallet)

Pos	Use	EltNr	Description	Usage
04	O	356	Pack	
15	O	399	Pallet Exchange Code	1 – No Exchange/Return
				2 – Exchange Pallets
				3 – Return Pallets
				4 – Pallets to be Purchased
				5 – Third Party Exchange

HL   Hierarchical Level – Pack

Pos	Use	EltNr	Description	Usage
01	M	628	Hierarchical ID Number	
02	O	734	Hierarchical Parent ID Number	
03	M	735	Hierarchical Level Code	P – Pack

LIN   Item Identification - Pack

Pos	Use	EltNr	Description	Usage
02	M	235	Product/Service ID Qualifier	LT – Lot Number
03	C	234	Product/Service ID	
04	M	235	Product/Service ID Qualifier	UA – UPC/EAN 2-5-5
05	C	234	Product/Service ID	
06	M	235	Product/Service ID Qualifier	UK – UPC/EAN 1-2-5-5-1
07	C	234	Product/Service ID	

SN1   Item Detail (Shipment) – Pack

Pos	Use	EltNr	Description	Usage
02	M	382	Number of Units Shipped	
03	M	355	Unit or Basis for Measurement Code	CA – Case

MAN   Marks and Numbers - Pack

Pos	Use	EltNr	Description	Usage
01	M	88	Marks and Numbers Qualifiers	UC – UPC Shipping Container Code
02	C	87	Marks and Numbers	

HL   Hierarchical Level – Item

Pos	Use	EltNr	Description	Usage
01	M	628	Hierarchical ID Number	
02	O	734	Hierarchical Parent ID Number	
03	M	735	Hierarchical Level Code	I – Item

LIN   Item Identification - Item

Pos	Use	EltNr	Description	Usage
02	M	235	Product/Service ID Qualifier	UK – UPC/EAN 1-2-5-5-1
03	C	234	Product/Service ID	
04	O	235	Product/Service ID Qualifier	LT – Lot Number
05	C	234	Product/Service ID	
06	O	235	Product/Service ID Qualifier	UA – UPC/EAN 2-5-5
07	C	234	Product/Service ID	
08	O	235	Product/Service ID Qualifier	EN – EAN 2-5-5- UN – UPC 1-2-5-5 UP – UPC 1-5-5-1
09	C	234	Product/Service ID	

(Note: any of the qualifiers indicated can be sent in any of the part number elements)

SN1   Item Detail (Shipment) – Item

Pos	Use	EltNr	Description	Usage
02	M	382	Number of Units Shipped	
03	M	355	Unit or Basis for Measurement Code	EA – Each CA – Case KG – Kilogram

PO4   Item Physical Details – Item

Pos	Use	EltNr	Description	Usage
01	O	356	Pack	

PID   Product/Item Description – Item

Pos	Use	EltNr	Description	Usage
01	M	349	Item Description Type	F – Free form
02	O	750	Product/Process Characteristic Code	08 – Product
05	M	352	Description	

REF   Reference Identification - Item

Pos	Use	EltNr	Description	Usage

| 01 | M | 128 | Reference Identification Qualifier | LT – Lot Number |
| 02 | C | 127 | Reference Identification | |

DTM   Date/Time Reference - Item

Pos	Use	EltNr	Description	Usage
01	M	374	Date/Time Qualifier	036 – Expiration (Perishable products)
02	C	373	Date	

Note: Required for Shelf Life Products

CTT   Transaction Totals

Pos	Use	EltNr	Description	Usage
01	M	354	Number of Line Items	

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856 EXAMPLE (Pallet Level when OFWG ordered with CA and Supplier shipped with CA)

ST*856*0001~
BSN*00*2184900*20090301*1038*0001~

HL*1**S~
TD1*CTN*45****G*1008*KG*10*CF~
TD1*PLT*1~
TD5**2*SCAC CODE*M*CARRIER NAME~
TD3*TL**12345666~
REF*BM*2184900~
DTM*011*20090301*0742~
DTM*067*20090303*0932~
N1*SF*SUPPLIER OF GOODS*9*2492610660000~
N3*ANYWHERE ROAD~
N4*SOMEPLACE*ON*N1T 1B2*CA~
N1*ST*EV LOGISTICS GLOUCESTER*9*2016289489114~
N3*5111 272 ST~
N4*LANGLEY*BC*V4W 3Z2*CA~

HL*2*1*O~
PRF*3260010~
REF*IV*4002560303-0903~

HL*3*2*T~
MAN*GM*10010037000680252459~
PAL****45***********3~

HL*4*3*I~
LIN*LT*123444*UA*001234556200*UK*10012345562001~
SN125*CA~**
PO4*6~
PID*F*08***CASE ITEM 1 211G~
DTM*036*20091231~

HL*5*3*I~
LIN*LT*123678*UA*01234568911*UK*10012345689122~
SN1**20*CA~
PO4*6~
PID*F*08***CASE ITEM 2 355G~
DTM*036*20091231~

CTT*5~
SE*36*0001~

856 EXAMPLE (Pallet Level when OFWG ordered with EA and Supplier shipped with CA)

ST*856*0001~
BSN*00*2184900*20090301*1038*0001~

HL*1**S~

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TD1*CTN*26****G*1253.1*KG*10*CF~
TD1*PLT*1~
TD5**2*SCAC CODE*M*CARRIER NAME~
TD3*TL**12345666~
REF*BM*2184900~
DTM*011*20090301*0742~
DTM*067*20090303*0932~
N1*SF*SUPPLIER OF GOODS*9*2492610660000~
N3*ANYWHERE ROAD~
N4*SOMEPLACE*ON*N1T 1B2*CA~
N1*ST*EV LOGISTICS GLOUCESTER*9*2016289489114~
N3*5111 272 ST~
N4*LANGLEY*BC*V4W 3Z2*CA~

HL*2*1*O~
PRF*3260010~
REF*IV*4002560303-0903~

HL*3*2*T~
MAN*GM*10010037000680252459~
PAL****26**********3~

HL*4*2*P~
LIN*LT*123445~
SN1*25*CA~ (supplier shipping uom)
MAN*UC*10012345689122~

HL*5*4*I~
LIN*UK*10012345689122*LT*123444*UA*01234568912~
SN1300*EA~ (owfg order uom)**
PO4*12~
PID*F*08***EACH ITEM 1 135ML~
DTM*036*20091231~

HL*6*2*P~
LIN*LT*123446~
SN1*1*CA~
MAN*UC*10012345689113~

HL*7*6*I~
LIN*UK*10012345689113*LT*123446*UA*01234568911~
SN1**60*EA~
PO4*6~
PID*F*08***EACH ITEM 2 75ML~
DTM*036*20091231~

HL*7*6*I~
LIN*UK*10012345689990*LT*123447*UA*01234568999* ~
SN1**144*EA~
PO4*12~
PID*F*08***EACH ITEM 3 75ML~
DTM*036*20091231~

CTT*7~
SE*58*0001~

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856 EXAMPLE (Pallet Level with KG)

ST*856*0001~
BSN*00*2184900*20090301*1038*0001~

HL*1**S~
TD1*CTN*25****G*1253.1*KG*10*CF~
TD1*PLT*1~
TD5**2*SCAC CODE*M*CARRIER NAME~
TD3*TL**12345666~
REF*BM*2184900~
DTM*011*20090301*0742~
DTM*067*20090303*0932~
N1*SF*SUPPLIER OF GOODS*9*2492610660000~
N3*ANYWHERE ROAD~
N4*SOMEPLACE*ON*N1T 1B2*CA~
N1*ST*EV LOGISTICS GLOUCESTER*9*2016289489114~
N3*5111 272 ST~
N4*LANGLEY*BC*V4W 3Z2*CA~

HL*2*1*O~
PRF*3260010~
REF*IV*4002560303-0903~

HL*3*2*T~
MAN*GM*10010037000680252459~
PAL****25**********3~

HL*3*2*P~
LIN*LT*123445~
SN1*25*CA~
MAN*UC*10012345689122~

HL*4*3*I~
LIN*UK*10012345689122*LT*123445*UA*01234568911~
SN1502.1*KG~**
PO4*20~
PID*F*08***RANDOM WEIGHT ITEM~
DTM*036*20091231~

CTT*4~
SE*58*0001~

856 EXAMPLE (Loose Carton (Pack Level) when OFWG ordered with CA and Supplier shipped with CA) [Used for DSD shipments]

ST*856*0001~
BSN*00*2184900*20090301*1038*0001~

HL*1**S~
TD1*CTN*6**G*53.1*KG*1*CF~**
TD5**2*SCAC CODE*M*CARRIER NAME~
TD3*TL**12345666~
REF*BM*2184900~
DTM*011*20090301*0742~
DTM*067*20090303*0932~
N1*SF*SUPPLIER OF GOODS*9*2492610660000~

N3*ANYWHERE ROAD~
N4*SOMEPLACE*ON*N1T 1B2*CA~
N1*ST*EV LOGISTICS GLOUCESTER*9*2016289489114~
N3*5111 272 ST~
N4*LANGLEY*BC*V4W 3Z2*CA~

HL*2*1*O~
PRF*3260010~
REF*IV*4002560303-0903~

HL*3*2*P~
SN1*5*CA~
MAN*UC*10012345689122~

HL*4*3*I~
LIN*UK*10012345689122*LT*123444*UA*01234568912~
SN15*CA~**
PO4*12~
PID*F*08***EACH ITEM 1 135ML~
DTM*036*20091231~

HL*5*2*P~
SN1*10*CA~
MAN*UC*10012345689113~

HL*6*5*I~
LIN*UK*10012345689113*LT*123446*UA*01234568911~
SN110*CA~**
PO4*6~
PID*F*08***EACH ITEM 2 75ML~
DTM*036*20091231~

CTT*6~
SE*58*0001~

856 EXAMPLE (Loose Carton (Pack Level) when OFWG ordered with EA and Supplier shipped with CA) [Used for DSD shipments]

ST*856*0001~
BSN*00*2184900*20090301*1038*0001~

HL*1**S~
TD1*CTN*6**G*53.1*KG*1*CF~**
TD5**2*SCAC CODE*M*CARRIER NAME~
TD3*TL**12345666~
REF*BM*2184900~
DTM*011*20090301*0742~
DTM*067*20090303*0932~
N1*SF*SUPPLIER OF GOODS*9*2492610660000~
N3*ANYWHERE ROAD~
N4*SOMEPLACE*ON*N1T 1B2*CA~
N1*ST*EV LOGISTICS GLOUCESTER*9*2016289489114~
N3*5111 272 ST~
N4*LANGLEY*BC*V4W 3Z2*CA~

HL*2*1*O~
PRF*3260010~

REF*IV*4002560303-0903~

HL*3*2*P~
LIN*LT*123445~
SN1*5*CA~
MAN*UC*10012345689122~

HL*4*3*I~
LIN*UK*10012345689122*LT*123444*UA*01234568912~
SN1****300*EA**~
PO4*12~
PID*F*08***EACH ITEM 1 135ML~
DTM*036*20091231~

HL*5*2*P~
LIN*LT*123446~
SN1*1*CA~
MAN*UC*10012345689113~

HL*6*5*I~
LIN*UK*10012345689113*LT*123446*UA*01234568911~
SN1**60*EA~
PO4*6~
PID*F*08***EACH ITEM 2 75ML~
DTM*036*20091231~

HL*7*5*I~
LIN*UK*10012345689990*LT*123447*UA*01234568999* ~
SN1**144*EA~
PO4*12~
PID*F*08***EACH ITEM 3 75ML~
DTM*036*20091231~

CTT*7~
SE*58*0001~