



888 Item Maintenance

X12/V4010/888 : 888 Item Maintenance

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Author:	cwachtel
Company:	OpenText
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888

Item Maintenance

Functional Group=**QG**

Purpose: This Draft Standard for Trial Use provides the format and establishes the data contents of the Item Maintenance Transaction Set (888) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set is used to enable a manufacturer, supplier, broker, or agent to provide detailed finished goods product information to a partner in a consumer goods market. This transaction set can be used to provide information about new products or changes in existing product specifications. Price changes will not be sent with this transaction set, but can be sent with the Price Change Transaction Set (879).

Notes:

1/020L One iteration of the N1 loop should be used to identify the buying party (BY) to establish the area or location for which the item maintenance applies.

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			Must use
LOOP ID - 0100					>1	N1/020L	
020	N1	Name	M	1			Must use
086	G62	Date/Time	M	1			Must use

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 - 0300					>1		
010	G53	Maintenance Type	M	1			Must use
LOOP ID - 0310					>1		
040	G39	Item Characteristics - Vendor's Selling Unit	M	1			Must use
050	G69	Line Item Detail - Description	O	5			Used
151	N9	Reference Identification	O	10			Used
153	MEA	Measurements	O	10			Used
LOOP ID - 0311					>1		
156	N1	Name	O	1			Used
160	PAL	Pallet Information	O	>1			Used
200	SE	Transaction Set Trailer	M	1			Must use

ST Transaction Set Header

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

User Option (Usage): Must use

Purpose: 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	Must use

Description: Code uniquely identifying a Transaction Set

Code List Summary (Total Codes: 298, Included: 1)

Code Name

888 Item Maintenance

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Example:

ST*888*0001~

Loop Name

Pos: 020Repeat: >1

Mandatory

Loop: 0100Elements: N/A

User Option (Usage): Must use

Purpose: 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>
020	N1	Name	M	1		Must use

Example:

N1*VN*HERSHEY FOODS CORPORATION*9*0030020520000~

N1 Name

Pos: 020	Max: 1
Heading - Mandatory	
Loop: 0100	Elements: 4

User Option (Usage): Must use

Purpose: 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	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

Code List Summary (Total Codes: 1312, Included: 1)

Code Name

VN Vendor

N102	93	Name	X	AN	1/60	Used
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Description: Free-form name

Hershey Usage:

Hershey Foods Corporation

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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Description: Code designating the system/method of code structure used for Identification Code (67)

Code List Summary (Total Codes: 215, Included: 1)

Code Name

9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix

N104	67	Identification Code	X	AN	2/80	Used
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Description: Code identifying a party or other code

Hershey Usage:

0030020520000

Example:

*N1*VN*HERSHEY FOODS CORPORATION*9*0030020520000~*

G62 Date/Time

Pos: 086	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	Date Qualifier	X	ID	2/2	Used

Description: Code specifying type of date

Code List Summary (Total Codes: 137, Included: 1)

Code Name

85 Date Issued

G6202	373	Date	X	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

G6203	176	Time Qualifier	X	ID	1/2	Used
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Description: Code specifying the reported time

Code List Summary (Total Codes: 42, Included: 1)

Code Name

W Effective Time

G6204	337	Time	X	TM	4/8	Used
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Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Example:

G62*85*20221101*W*0122~

Loop Maintenance Type

Pos: 010	Repeat: >1
Mandatory	
Loop: 0300	Elements: N/A

User Option (Usage): Must use

Purpose: To identify the specific type of item maintenance

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	G53	Maintenance Type	M	1		Must use
040		Loop 0310	M		>1	Must use

Example:

G53*001~

G53 Maintenance Type

Pos: 010	Max: 1
Detail - Mandatory	
Loop: 0300	Elements: 1

User Option (Usage): Must use
Purpose: To identify the specific type of item maintenance

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G5301	875	Maintenance Type Code	M	ID	3/3	Must use

Description: Code identifying the specific type of item maintenance

Hershey Usage:

All transactions, including new items, will contain 001

Code List Summary (Total Codes: 103, Included: 1)

Code	Name
001	Change

Example:

G53*001~

Loop Item Characteristics - Vendor's Selling Unit

Pos: 040 Repeat: >1
Mandatory
Loop: 0310 Elements: N/A

User Option (Usage): Must use

Purpose: To identify a vendor's selling unit or to provide physical characteristics relative to a vendor's selling unit

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>
040	G39	Item Characteristics - Vendor's Selling Unit	M	1		Must use
050	G69	Line Item Detail - Description	O	5		Used
151	N9	Reference Identification	O	10		Used
153	MEA	Measurements	O	10		Used
156		Loop 0311	O		>1	Must use

Example:

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G39*750102458027*VN*1024508027004**45*G*L*4.331*IN*11.024*IN*7.874*IN*.2*CF***1*CA***1*UK*17501024
580276~
G69*0hDrnk Choc 236ml 18-Test1_scmi0344~
MEA*SF***DA*120*330~
MEA*MP*QL**DA*330~
```

G39 Item Characteristics - Vendor's Selling Unit

Pos: 040	Max: 1
Detail - Mandatory	
Loop: 0310	Elements: 17

User Option (Usage): Must use

Purpose: To identify a vendor's selling unit or to provide physical characteristics relative to a vendor's selling unit

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G3901	438	U.P.C. Case Code	X	AN	12/12	Used

Description: Code (Universal Product Code - U.P.C.) including two high order digits identifying the "system" (U.S. Grocery = 00, 06 or 07; U.S. Drug = 03); using the U.S. Grocery system, the next ten digits are: Manufacturer (5) Case Code (5)

G3902	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name

VN Vendor's (Seller's) Item Number

G3903	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

Hershey Usage:

13 Position Hershey's Material Number

example: 3400024000000

G3905	395	Unit Weight	X	R	1/8	Used
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Description: Numeric value of weight per unit

G3906	187	Weight Qualifier	X	ID	1/2	Used
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Description: Code defining the type of weight

All valid standard codes are used. (Total Codes: 51)

G3907	188	Weight Unit Code	X	ID	1/1	Used
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Description: Code specifying the weight unit

All valid standard codes are used. (Total Codes: 8)

G3908	65	Height	X	R	1/8	Used
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Description: Vertical dimension of an object measured when the object is in the upright position

G3909	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

All valid standard codes are used. (Total Codes: 794)

G3910	189	Width	X	R	1/8	Used
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Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G3911	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used. (Total Codes: 794)				
G3912	82	Length	X	R	1/8	Used
		Description: Largest horizontal dimension of an object measured when the object is in the upright position				
G3913	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used. (Total Codes: 794)				
G3914	183	Volume	X	R	1/8	Used
		Description: Value of volumetric measure				
G3915	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used. (Total Codes: 794)				
G3918	357	Size	X	R	1/8	Used
		Description: Size of supplier units in pack Hershey Usage: 1				
G3919	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Hershey Usage: <i>Hershey's base unit of measure for item.</i> All valid standard codes are used. (Total Codes: 794)				
G3922	876	Alternate Tiers per Pallet	O	ID	1/3	Used
		Description: Number indicating the alternate tiers per pallet structure; the three digits represent the number of tiers per pallet Hershey Usage: <i>Hershey crush code to help build mixed pallets</i> <i>Values: 1 through 5 1= heaviest 5=lightest</i>				

Example:

G39*750102458027*VN*1024508027004**45*G*L*4.331*IN*11.024*IN*7.874*IN*.2*CF***1*CA***1*UK*17501024580276~

G69

Line Item Detail - Description

Pos: 050

Max: 5

Detail - Optional

Loop: 0310

Elements: 1

User Option (Usage): Used
Purpose: To describe an item in free-form format

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>
G6901	369	Free-form Description	M	AN	1/45	Must use
Description: Free-form descriptive text						
Hershey Usage:						
Hershey's Item description						

Example:

G69*0hDrnk Choc 236ml 18-Test1_scmi0344~

N9 Reference Identification

Pos: 151	Max: 10
Detail - Optional	
Loop: 0310	Elements: 2

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

All valid standard codes are used. (Total Codes: 1503)

N903	369	Free-form Description	X	AN	1/45	Used
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Description: Free-form descriptive text

Hershey Usage:

*Hershey will transmit one of the following special handling instructions when applicable
Value=SINGLE STACK or TOP LOAD*

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

Example:

N9*S!*SINGLE STACK

MEA Measurements

Pos: 153	Max: 10
Detail - Optional	
Loop: 0310	Elements: 5

User Option (Usage): Used

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights

(See Figures Appendix for example of use of C001)

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>
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Used
Description: Code identifying the broad category to which a measurement applies						
Code List Summary (Total Codes: 152, Included: 2)						
<u>Code</u> <u>Name</u>						
MP Maturity Period						
SF Shelf Life						
MEA02	738	Measurement Qualifier	O	ID	1/3	Used
Description: Code identifying a specific product or process characteristic to which a measurement applies						
Code List Summary (Total Codes: 920, Included: 1)						
<u>Code</u> <u>Name</u>						
QL Quality						
MEA04	C001	Composite Unit of Measure	X	Comp		Must use
Description: To identify a composite unit of measure						
(See Figures Appendix for examples of use)						
MEA04-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
Code List Summary (Total Codes: 794, Included: 1)						
<u>Code</u> <u>Name</u>						
DA Days						
MEA05	740	Range Minimum	X	R	1/20	Used
Description: The value specifying the minimum of the measurement range						
Hershey Usage:						
<i>Hershey Minimum remaining Shelf Life</i>						
MEA06	741	Range Maximum	X	R	1/20	Used
Description: The value specifying the maximum of the measurement range						
Hershey Usage:						
<i>Hershey Total Shelf Life</i>						

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Example:

*MEA*SF***DA*120*330~*
*MEA*MP*QL**DA*330~*

Loop Name

Pos: 156Repeat: >1
Optional
Loop: 0311Elements: N/A

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
156	N1	Name	O	1		Used
160	PAL	Pallet Information	O	>1		Used

Example:

N1*VN*THE HERSHEY CO~
PAL**8*18*144***0*0*IN~

N1 Name

Pos: 156	Max: 1
Detail - Optional	
Loop: 0311	Elements: 2

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	Entity Identifier Code	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

Code List Summary (Total Codes: 1312, Included: 1)

Code	Name
VN	Vendor

N102	93	Name	X	AN	1/60	Used
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Description: Free-form name

Hershey Usage:
Hershey Foods

Example:

N1*VN*THE HERSHEY CO~

PAL Pallet Information

Pos: 160	Max: >1
Detail - Optional	
Loop: 0311	Elements: 11

User Option (Usage): Used

Purpose: To identify the type and physical attributes of the pallet, and, gross weight, gross volume, and height of the load and the pallet

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>
PAL02	884	Pallet Tiers	O	N0	1/3	Used
		Description: The number of layers per pallet				
PAL03	885	Pallet Blocks	O	N0	1/3	Used
		Description: The number of pieces (cartons) per layer on the pallet				
PAL04	356	Pack	O	N0	1/6	Used
		Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container				
PAL07	82	Length	X	R	1/8	Used
		Description: Largest horizontal dimension of an object measured when the object is in the upright position				
PAL08	189	Width	X	R	1/8	Used
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
PAL09	65	Height	X	R	1/8	Used
		Description: Vertical dimension of an object measured when the object is in the upright position				
PAL10	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used. (Total Codes: 794)				
PAL11	384	Gross Weight per Pack	X	R	1/9	Used
		Description: Numeric value of gross weight per pack				
PAL12	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used. (Total Codes: 794)				
PAL13	385	Gross Volume per Pack	X	R	1/9	Used
		Description: Numeric value of gross volume per pack				
PAL14	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used. (Total Codes: 794)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Semantics:

1. PAL04 (Pack) is the number of pieces on the pallet.
2. PAL05 (Unit Weight) is the weight of the pallet alone, before loading.
3. PAL07 and PAL08 (Length and Width) are the dimensions of the pallet before loading.
4. PAL09 (Height) is the height of the pallet and load.
5. PAL11 and PAL13 (Gross Weight and Gross Volume) are measured after loading and includes the pallet.

Example:

*PAL**8*18*144***0*0*0*IN~*

SE Transaction Set Trailer

Pos: 200	Max: 1
Detail - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: 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	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Example:

SE*11*0001~