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ANSI X12 855 Purchase Order Acknowledgment Specifications

The American National Standards Institute (ANSI) and the Accredited Standards Committee (ASC) define this transaction as follows: “The transaction set can be used to provide for customary and established business and industry practice relative to a seller’s acknowledgment of a buyer’s purchase order and can also be used as notification of a vendor generated order.”

This document lists the accepted ANSI X12 855 Purchase Order Acknowledgment layout used by Medtronic. The usage, segment and element information indicated in this document is based on X12 version **4010** standards implemented by Medtronic. The 855 Purchase Order Acknowledgment is an inbound transaction that acknowledges the receipt of a specific purchase order and provides the Medtronic user with critical backorder and pricing information.

The software does not prohibit processing based on the X12 version information presented in the X12 envelope.

The following is an example of the typical format used when communicating the ANSI X12 855 transaction set. It is important to note that multiple 855 transaction sets may be contained within each valid X12 file.

Header

ISA - Interchange Control Header

GS - Functional Group Header

ST - Transaction Set Header

BAK - Beginning Segment for POA

N1 - Organization Name

N3 - Address Information

N4 - Geographical Location

MSG - Message Text

Detail

PO1 - Line Item Detail

PID - Product/Item Description

REF - Reference Number

ACK - Line Item Acknowledgment

Total

CTT - Transaction Totals

SE - Transaction Set Trailer

GE - Functional Group Trailer

IEA - Interchange Control Trailer

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855 SEGMENT STRUCTURE BY GROUP / LOOP

Segment/Element Usage Legend:

M = Mandatory segment or element; required for successful Medtronic system processing.
 O = Optional segment or element; may be helpful but not required for successful processing.
 X = Conditional element; existence is conditional upon another segment or element.

Transaction Set Header	Segment	Name	Usage	Max
	ST	Transaction Set Header	M	1
	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1
N1 Loop	N1	Name segment	O	1
	N3	Address information	X	1
	N4	City, State and Zip	X	1
	MSG	Message Text	O	10

Line Item Loop	Segment ID	Name	Usage	Max
May repeat 70,000 times	PO1	Item Data	M	1
PID Loop	PID	Product/Item Description	O	1
	REF	Reference Numbers	O	1
ACK Loop	ACK	Line Item Acknowledgment	M	100

Transaction Set Trailer	Segment ID	Name	Usage	Max
	CTT	Transaction Totals	M	1
	SE	Transaction Set Trailer	M	1

Segment / Element Detail Information

Transaction Set Header

ST - Transaction Set Header

Example: ST*855*530006100

Element	Name	Usage	Min/Max Length	Notes
ST-01	Transaction Set Purpose Code	M	3/3	Accepted code(s): '855' - Purchase Order Acknowledgment
ST-02	Transaction Set Control Number	M	4/9	Should match the SE-02.

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BAK - Beginning Segment for Purchase Order Acknowledgment

Example: BAK*06*AC*98-54367*19980923****135798642*20010201

Element	Name	Usage	Min/Max Length	Notes
BAK-01	Transaction Set Purpose Code	M	2/2	Accepted code(s): '00' - Original '06' - Confirmation
BAK-02	Acknowledgment Type	O	2/2	Accepted code(s): 'AC' - Acknowledge - With Detail and Change
BAK-03	Purchase Order Number	M	1/22	
BAK-04	Purchase Order Date	M	8/8	Purchase Order Date in CCYYMMDD format.
BAK-05	Release Number	X	1/30	This is only valid for canceled purchase orders.
BAK-08	Request Reference Number	O	1/45	Seller's order number.
BAK-09	Date	O	8/8	Confirmation Date in CCYYMMDD format.

N1- Name of Organization

Example: N1*BY*COUNTY GENERAL HEALTHCARE SYSTEM*91*2465

N1*BT*COUNTY GENERAL SYSTEM*91*12678

N1*ST*SUPPLIES SYSTEM*91*15568

Element	Name	Usage	Min/Max Length	Notes
N1-01	Entity ID Code	M	2/2	Accepted code(s): 'BY' - Buying Party 'BT' - Bill to Party 'SE' - Selling Party 'ST' - Ship to Party
N1-02	Name of Party	X	1/25	At least one of N1-02 or N1-03 is required.
N1-03	ID Code Qualifier	X	1/2	Accepted code(s): '91' - Assigned by Seller '21' - Health Industry ID Number (HIN) '92' - Assigned by Customer
N1-04	ID Code assigned by supplier to identify buyer	X	2/7	

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N3 - Address Information

Example: N3*14 W. EAST ROAD*SUITE 100

Element	Name	Usage	Min/Max Length	Notes
N3-01	Street address for selling party	M	1/35	
N3-02	Street address for selling party	O	1/35	

N4 - Geographic Location

Example: N4*CHICAGO*IL*60042

Element	Name	Usage	Min/Max Length	Notes
N4-01	City	X	2/19	
N4-02	State or Province Code	O	2/2	
N4-03	Postal Code	O	4/9	

MSG - Message Text

Example: MSG*PLEASE SHIP ASAP

Element	Name	Usage	Min/Max Length	Notes
MSG-01	Free form message	O	1/264	Special instructions and purchase order terms and conditions.

Line Item Loop

PO1 - Line Item Detail

Example (shown as two lines):

PO1*1*10000*EA*899.40**MF*BDZR*MG*1234567890123456*VC*1234567890123456*B
P*1327*IN*1200

Element	Name	Usage	Min/Max Length	Notes
PO1-01	Assigned Identifier	M	1/3	PO Line Number
PO1-02	Quantity Ordered	X	1/5	
PO1-03	Unit of Measure	O	2/2	
PO1-04	Item Unit Price	X	1/10	

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PO1-06	Product/Service ID Qualifiers	X	2/2	Accepted code(s): MF, MG, VC, BP, IN See chart below for descriptions of each. † If either 06 or 07 is present, then the other is required.
PO1-07	Product/Service IDs	O	1/30	
PO1-08	Product/Service ID Qualifiers	X	2/2	If either 08 or 09 is present, then the other is required.
PO1-09	Product/Service IDs	O	1/30	
PO1-10	Product/Service ID Qualifiers	X	2/2	If either 10 or 11 is present, then the other is required.
PO1-11	Product/Service IDs	O	1/30	
PO1-12	Product/Service ID Qualifiers	X	2/2	If either 12 or 13 is present, then the other is required.
PO1-13	Product/Service IDs	O	1/30	
PO1-14	Product/Service ID Qualifiers	X	2/2	If either 14 or 15 is present, then the other is required.
PO1-15	Product/Service IDs	O	1/30	
PO1-16	Product/Service ID Qualifiers	X	2/2	If either 16 or 17 is present, then the other is required.
PO1-17	Product/Service IDs	O	1/30	
PO1-18	Product/Service ID Qualifiers	X	2/2	If either 18 or 19 is present, then the other is required.
PO1-19	Product/Service IDs	O	1/30	
PO1-20	Product/Service ID Qualifiers	X	2/2	If either 20 or 21 is present, then the other is required.
PO1-21	Product/Service IDs	O	1/30	
PO1-22	Product/Service ID Qualifiers	X	2/2	If either 22 or 23 is present, then the other is required.
PO1-23	Product/Service IDs	O	1/30	

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† Product/Service ID Qualifiers Table

Qualifier	ANSI Definition	McKessonHBOC Definition	Max. Length
MF	Manufacturer	Manufacturer LIC	4
MG	Manufacturer's Part Number	Manufacturer Catalog Number	16
VC	Vendor's (seller's) Catalog Number	Vendor Catalog Number	16
BP	Buyer's Part Number	Buyer Part (Item Number)	5
IN	Buyer's Item Number	Item Number (Hospital Number)	10

PID - Product/ Item Description

Example: PID*F****OMNIPAQUE 300 100 ML VIALS

Element	Name	Usage	Min/Max Length	Notes
PID-01	Item Description Type	M	1/1	Transmitted code(s): 'F' - Free form text
PID-05	Description	M	1/80	

REF - Reference Number

Example: REF*CA*5000

Element	Name	Usage	Min/Max Length	Notes
REF-01	Reference Identification Qualifier	M	2/3	Accepted code(s): 'CA' - Cost Allocation Reference
REF-02	Reference Identification	X	1/9	

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ACK - Line Item Acknowledgment

Example: ACK*IB*5*EA*017*19961112**VC*S660E58809R

Element	Name	Usage	Min/Max Length	Notes
ACK-01	Line Item Status Code	M	2/2	See chart for accepted status codes ‡
ACK-02	Quantity	X	1/15	
ACK-03	Unit/Basis of Measurement Code	X	2/2	
ACK-04	Date/Time Qualifier	O	3/3	Accepted code(s): '017' - Estimated Delivery '002' - Delivery Requested '055' - Confirmed '067' - Current Schedule Delivery '068' - Current Schedule Ship '102' - Issue
ACK-05	Date	X	8/8	Date in CCYYMMDD format.
ACK-07	Product Service Qualifier	X	2/2	If either ACK07 or 08 is present, then the other is requested.
ACK-08	Product Service ID	X	1/30	
ACK-09	Product Service Qualifier	X	2/2	If either ACK09 or 10 is present, then the other is requested.
ACK-10	Product Service ID	X	1/30	
ACK-11	Product Service Qualifier	X	2/2	If either ACK11 or 12 is present, then the other is requested.
ACK-12	Product Service ID	X	1/30	
ACK-13	Product Service Qualifier	X	2/2	If either ACK13 or 14 is present, then the other is requested.
ACK-14	Product Service ID	X	1/30	
ACK-15	Product Service Qualifier	X	2/2	If either ACK15 or 16 is present, then the other is requested.
ACK-16	Product Service ID	X	1/30	

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‡ The following chart shows the ACK Line Item Status Codes accepted by Medtronic and the subsequent message that is reported on the Confirmation Report.

Status Code	Medtronic Reported Message:
AC	"ITEM ACCEPTED AND SHIPPED"
IB	"ITEM BACKORDERED" ‡‡
IC	"ITEM ACCEPTED - CHANGES MADE"
ID	"ITEM DELETED"
IP	"ITEM ACCEPTED - PRICE CHANGED"
IQ	"ITEM ACCEPTED - QUANTITY CHANGED"
IS	"ITEM ACCEPTED - SUBSTITUTION MADE"

‡‡ When an item has been backordered, Medtronic can report any one of several messages to best describe the backorder status. See the chart below for the Date/Time qualifier codes accepted and the subsequent message.

When the ACK^IB - 04 is...	...and a date is given in the ACK^IB - 05...	...then Medtronic reports the following Message:
017		" < ITEM BACKORDERED > * ESTIMATED DELIVERY DATE: 12/31/99 *"
068		" < ITEM BACKORDERED > * CURRENT SCHEDULE SHIP DATE: 12/31/99 *"
002		" < ITEM BACKORDERED > * DELIVERY REQUESTED DATE: 12/31/99 *"
055		" < ITEM BACKORDERED > * CONFIRMED ON DATE: 12/31/99 *"
067		" < ITEM BACKORDERED > * CURRENT SCHEDULE DELIVERY DATE: 12/31/99 *"
102		" < ITEM BACKORDERED > * CURRENT SCHEDULE SHIP DATE: 12/31/99 *"

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Transaction Set Trailer

CTT - Transaction Totals

Example: CTT*1*1000

Element	Name	Usage	Min/Max Length	Notes
CTT-01	Total number of PO1 segments	M	1/6	
CTT-02	Hash Total	O	1/10	

SE - Transaction Set Trailer

Example: SE*34*89001

Element	Name	Usage	Min/Max Length	Notes
SE-01	Number of Segments Included	M	1/6	The number of segments between ST and SE inclusive.
SE-02	Transaction Set Control Number.	M	4/9	Same as ST-02

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Sample Data:

ISA*00* * 00* *ZZ*5489002 *01*197607336 *980710*154 9*U*00400*191154908*0*P*|
GS*PO*5489002*197607336*980710*1549*191154909*X*004010
ST*855*530006100
BAK*06*AC*98-54367*19980923*****135798642*20010201
N1*BY*COUNTY GENERAL HEALTHCARE SYSTEM*91*2465
N1*BT*COUNTY GENERAL SYSTEM*91*12678
N1*ST*SUPPLIES SYSTEM*91*15568
N3*14 W. EAST ROAD*SUITE 100
N4*CHICAGO*IL*60042
MSG*PLEASE SHIP ASAP
PO1*1*10000*EA*899.40**MF*BDZR*MG*1234567890123456*VC*1234567890123456*B
P*1327*IN*1200
PID*F****OMNIPAQUE 300 100 ML VIALS
REF*CA*5000
ACK*IB*5*EA*017*19961112**VC*S660E58809R
CTT*1*1000
SE*34*89001
GE*1*191154909
IEA*1*191154908