

Response to Request for Quotation

Transaction Set (843)

(Outbound from TI)

ANSI X12 Version Format: 3020

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How To Use This Documentation

This document was created to aid in your implementation of the ANSI 3020 standard for the response to request for quotation that will be sent from Texas Instruments.

A complete description of the response to request for quotation segments are outlined in the ANSI 3020 Standards Manual. If you require/need to be sent additional segments not listed in this documentation, an agreement must be reached with Texas Instruments.

Data Element Attributes

- M = Mandatory (must be transmitted)
- X = Conditional (presence of this field is dependent on the value or presence of other data elements within the segment)
- O = Optional (the appearance of the element is either at the option of the sending party or based on agreement between the trading partners)

Data Element Types

- AN = Alphanumeric
- NN = Numeric
 - 1st N signifies numeric
 - 2nd N signifies the number of decimal places to the right of a fixed, implied decimal point (the decimal point is not transmitted for this data element type)
- R = Numeric Decimal (decimal point required to be transmitted when fractional values are present)
- ID = Field contains a code value (codes are contained within predetermined lists maintained by the standards committee and are found in the appendix of ANSI manuals)
- DT = Date formatted in YYMMDD, where
 - YY = Last 2 digits of the year (00-99)
 - MM= Numeric month (01-12)
 - DD = Numeric day (01-31)
- TM = Time formatted in HHMM, where
 - HH = Military hour (00-23)
 - MM= Minute (00-59)

Data Element Length

- The number to the left of the "/" specifies the minimum length of the field as required by the standard.
- The number to the right of the "/" specifies the maximum length of the field as required by the standard.
- When the minimum and maximum lengths are the same, this signifies the field has a fixed length.
- The minimum and maximum lengths do not include the decimal point (when data element is R).

Response to Request for Quotation (843) - Outbound

This transaction set provides potential buyers with price, delivery schedule, and other terms from potential sellers of goods and services, in response to a request for such information.

SEG. ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
ISA	Interchange Control Header	M	1	
GS	Functional Group Header	M	1	
ST	Transaction Set Header	M	1	
BQR	Beginning Segment (Response to Request for Quotation)	M	1	
LOOP ID - N9				
N9	Reference Number	O	1	1,000
LOOP ID - N1				
N1	Name	O	1	10,000
N2	Additional Name Information	O	2	
N3	Address Information	O	2	
N4	Geographic Location	O	1	
LOOP ID - PO1				
PO1	Purchase Order Baseline Item Data	M	1	100,000
LDT	Lead Time	O	12	
SCH	Line Item Schedule	O	104	
CTT	Transaction Totals	M	1	
SE	Transaction Set Trailer	M	1	
GE	Functional Group Trailer	M	1	
IEA	Interchange Control Trailer	M	1	

ISA - Interchange Control Header

Status: Mandatory

Purpose: To start and identify an interchange of one or more functional groups and interchange related control segments.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	00 - No Authorization Information Present 01 - UCS Communications ID
ISA02	I02	Authorization Information	M	AN	10/10	Supplied by TI if using direct dial service
ISA03	I03	Security Information Qualifier	M	ID	2/2	00 - No Security Information Present 01 - Password
ISA04	I04	Security Information	M	AN	10/10	Supplied by TI if using direct dial service
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	TI accepts all; TI uses 01 - DUNS (Dun & Bradstreet)
ISA06	I06	Interchange Sender ID	M	ID	15/15	Defined by Sender
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	TI accepts all; TI uses 01 - DUNS (Dun & Bradstreet)
ISA08	I07	Interchange Receiver ID	M	ID	15/15	Defined by Receiver
ISA09	I08	Interchange Date	M	DT	6/6	Current Date: YYMMDD
ISA10	I09	Interchange Time	M	TM	4/4	Current Time: HHMM
ISA11	I10	Interchange Standards ID	M	ID	1/1	U - American National Standards Committee X12
ISA12	I11	Interchange Version ID	M	ID	5/5	This version number covers X12 control segments only. Positions 1-3 = major version number; positions 4-5 = release level of the version.

ISA - Interchange Control Header (continued)

Field #	Element	Field Name	Req.	Type	Size	TI Usage
ISA13	I12	Interchange Control Number	M	N0	9/9	This number is assigned by sender; together with sender ID, it uniquely identifies interchange data to receiver. It is suggested that sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.
ISA14	I13	Acknowledgment Requested	M	ID	1/1	0 - No Acknowledgment Requested 1 - Interchange Acknowledgment Requested
ISA15	I14	Test Indicator	M	ID	1/1	T - Test Data P - Production Data
ISA16	I15	Sub Element Separator	M	AN	1/1	Defined by Sender

GS - Functional Group Header

Status: Mandatory

Purpose: To start and identify a functional group of related transaction sets and provide control and application identification information.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
GS01	479	Functional ID Code	M	ID	2/2	Code identifying a group of application related transaction sets
GS02	142	Application Sender's Code	M	ID	2/12	Defined by Sender
GS03	124	Application Receiver's Code	M	ID	2/12	Defined by Receiver
GS04	29	Data Interchange Date	M	DT	6/6	Date sender generated a functional group of transaction sets. Format: YYMMDD
GS05	30	Data Interchange Time	M	TM	4/4	Time expressed in 24-hour clock time when the sender generated a functional group of transaction sets (local time at sender's location). Format HHMM
GS06	28	Data Interchange Control Number	M	N0	1/9	Sequentially assigned by sender
GS07	455	Responsible Agency Code	M	ID	1/2	X - Accredited Standards Committee X12
GS08	480	Version/Release/ Industry ID Code	M	ID	1/12	Code indicating the version, release, and industry ID of the EDI standard being used. Positions 1 - 3 = major version number; positions 4 - 6 = release number.

ST - Transaction Set Header

Status: Mandatory

Purpose: The first segment of each transaction set, containing the transaction set identifier and control numbers.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
ST01	143	Transaction Set ID Code	M	ID	3/3	843 - Response to Request for Quotation
ST02	329	Transaction Set Control Number	M	AN	4/9	A sequential number, assigned by sender. It should be sequentially assigned within each functional group to aid in error recovery and research. The control number in the SE segment (SE02) must be identical to the control number in the ST segment for each transaction.

BQR - Beginning Segment (Response to Request for Quotation)

Status: Mandatory

Purpose: To indicate the beginning of a response to request for a quotation transaction set and to transmit identifying numbers and dates.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
BQR01	353	Transaction Set Purpose Code	M	ID	2/2	00 - Original 06 - Confirmation
BQR02	586	Request for Quote Reference Number	M	AN	1/45	Reference Number
BQR03	652	Request for Quote Control Date	M	DT	6/6	Control Date (YYMMDD)
BQR04	374	Date/Time Qualifier	X	ID	3/3	Not Used
BQR05	373	Date	O	DT	6/6	Not Used
BQR06	379	Bid Type Response Code	O	ID	2/2	Not Used

N9 - Reference Number

Status: Optional

Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
N901	128	Reference Number Qualifier	M	ID	2/2	CJ - Clause Number GC - Government Contract Number GP - Government Priority Number MU - Military Specification Number
N902	127	Reference Number	X	AN	1/30	Number Qualified by N901
N903	369	Free-form Description	X	AN	1/45	Not Used
N904	373	Date	O	DT	6/6	Not Used
N905	337	Time	O	TM	4/6	Not Used

N1 - Name

Status: Optional

Purpose: To identify a party by type of organization, name and code.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
N101	98	Entity ID Code	M	ID	2/2	BY - Buyer ST - Ship To SU - Supplier/Manufacturer
N102	93	Name	C	AN	1/35	Buyer's Name
N103	66	ID Code Qualifier	C	ID	1/2	92 - Sender's Internal Customer Number
N104	67	ID Code	C	ID	2/17	End Customer Number

N2 - Additional Name Information

Status: Optional

Purpose: To specify additional names or those longer than 35 characters in length.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
N201	93	Name	M	AN	1/35	Name
N202	93	Name	O	AN	1/35	Not Used

N3 - Address Information

Status: Optional

Purpose: To specify the location of the named party.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
N301	166	Address	M	ID	1/35	First line of address
N302	166	Address	O	AN	1/35	Second line of address

N4 - Geographic Location

Status: Optional

Purpose: To specify the geographic place of the named party.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
N401	19	City Name	X	AN	2/19	City Name
N402	156	State/Province Code	O	ID	2/2	From ANSI Code List A-22
N403	116	Postal Code	O	ID	4/9	Zip Code
N404	26	Country Code	O	ID	2/2	From ANSI Code List A-5
N405	309	Location Qualifier	X	ID	1/2	Not Used
N406	310	Location Identifier	X	AN	1/25	Not Used

PO1 - Purchase Order Baseline Item Data

Status: Optional

Purpose: To specify basic and most frequently used purchase order line item data.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
PO101	350	Assigned Identification	O	AN	1/11	Line item identifying number
PO102	330	Quantity Ordered	M	R	1/9	Quantity Ordered
PO103	355	Unit of Measure Code	M	ID	2/2	Unit of Measure Code: EA - Each
PO104	212	Unit Price	X	R	1/14	Unit Price
PO105	639	Basis Unit Price Code	O	ID	2/2	QE - Quoted Price per Each
PO106	235	Product/Service ID Qualifier	O	ID	2/2	BP - Buyer's Part Number PN - Part Number
PO107	234	Product/Service ID	M	AN	1/30	Customer Part Number
PO108	235	Product/Service ID Qualifier	O	ID	2/2	EC - Engineering Change Level
PO109	234	Product/Service ID	C	AN	1/30	Revision level to a drawing
PO110	235	Product/Service ID Qualifier	O	ID	2/2	VP - Vendor's Part Number
PO111	234	Product/Service ID	C	AN	1/30	TI Part Number

NOTE: PO112 through PO125 are not used.

LDT - Lead Time

Status: Optional

Purpose: To specify lead time for availability of products and services.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
LDT01	345	Lead Time Code	M	ID	2/2	AE - From date of PO receipt to shipment
LDT02	380	Quantity	M	R	1/15	Quantity
LDT03	344	Unit of Time Period Code	M	ID	2/2	WK - Weeks
LDT04	373	Date	O	DT	6/6	Not Used

SCH - Line Item Schedule

Status: Optional

Purpose: To specify the data for scheduling a specific line item.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
SCH01	380	Quantity	M	R	1/15	Quantity
SCH02	355	Unit of Measure Code	M	ID	2/2	Unit of Measure Code EA - Each
SCH03	98	Entity ID Code	O	ID	2/2	Not Used
SCH04	93	Name	X	AN	1/35	Not Used
SCH05	374	Date/Time Qualifier	M	ID	3/3	002 - Delivery Requested
SCH06	373	Date	M	DT	6/6	Delivery Requested Date (YYMMDD)

NOTE: SCH07 through SCH11 are not used.

CTT - Transaction Totals

Status: Mandatory

Purpose: To transmit a hash total for a specific element in the transaction set.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
CTT01	354	Number of Line Items	M	N0	1/6	Number of line item segments in this transaction set

NOTE: CTT02 through CTT07 are not used.

SE - Transaction Set Trailer

Status: Mandatory

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.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
SE01	96	Number of Included Segments	M	N0	1/6	The total number of all segments in the transaction set, including the ST and SE segments.
SE02	329	Transaction Set Control Number	M	AN	4/9	The control number is assigned by sender. It should be sequentially assigned within each functional group to aid in error recovery and research. The control number in the SE segment must be identical to the control number in the ST segment (ST02) for each transaction.

GE - Functional Group Trailer

Status: Mandatory

Purpose: To indicate the end of a functional group and to provide control information.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
GE01	97	Number of Included Transaction Sets	M	N0	1/6	The total number of transaction sets included.
GE02	28	Data Interchange Control Number	M	N0	1/9	The data interchange control number must match the same data element (GS06) in the functional group header segment.

IEA - Interchange Control Trailer

Status: Mandatory

Purpose: To define the end of an interchange of one or more functional groups and interchange related control segments.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
IEA01	I16	Number of Included Groups	M	N0	1/5	A count of the number of functional groups included in a transmission.
IEA02	I12	Interchange Control Number	M	N0	9/9	This number is assigned by sender; together with sender ID, it uniquely identifies interchange data to receiver. It is suggested that sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.