Price Sales Catalog

Transaction Set (832)

(Outbound from TI)

Draft Copy

How To Use This Documentation

This document was created to aid in your implementation of the ANSI 3010 standard for planning schedules.

A complete description of the price sales catalog segments are outlined in the ANSI 3010 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)
C = 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).

Price Sales Catalog - Outbound

This transaction set provides for customary and established business and industry practice relative to furnishing or requesting the price of goods or services in the form of a catalog.

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	
BCT	Beginning Segment (Price Sales Catalog)	M	1	
DTM	Date/Time Reference	O	10	
LOOP ID - N1				
N1	Name	O	1	200
LOOP ID - LIN				
LIN	Item Identification Detail	M	1	700,000
CTB	Restrictions/Conditions	O	25	
PID	Product/Item Description	O	200	
PO4	Item Physical Details	O	1	
LOOP ID - CTP				
CTP	Pricing Information	O	1	25
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.

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	AN	2/12	Defined by Sender
GS03	124	Application Receiver's Code	M	AN	2/12	Defined by Receiver
GS04	29	Group Date	M	DT	6/6	Date sender generated a functional group of transaction sets. Format: YYMMDD
GS05	30	Group 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	Group 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	832 - Price Sales Catalog
ST02	329	Transaction Set Control Number	M	AN	4/9	The control number is assigned by the 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.

BCT - Beginning Segment (Price Sales Catalog)

Status: Mandatory

Purpose: To indicate the beginning of the price/sales catalog transaction set and to specify catalog purpose and number information.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
BCT01	683	Catalog Purpose Code	M	ID	2/2	PC - Price Catalog
BCT02	684	Catalog Number	M	AN	1/15	Catalog Number Format: CATYYMMDD
BCT03	685	Catalog Version Number	O	AN	1/15	00

NOTE: BCT04 through BCT10 are not used.

DTM - Date/Time Reference

Status: Optional

Purpose: To specify pertinent dates and times.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
DTM01	374	Date/Time Qualifier	M	ID	3/3	007 - Effective
DTM02	373	Date	C	DT	6/6	Effective Date (YYMMDD)
DTM03	337	Time	C	TM	4/4	Not Used
DTM04	623	Time Code	O	ID	2/2	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	MF - Manufacturer of Goods
N102	93	Name	C	AN	1/35	Texas Instruments
N103	66	ID Code Qualifier	C	ID	1/2	1 - Dun & Bradstreet
N104	67	ID Code	C	ID	2/17	007321904

LIN - Item Identification Detail

Status: Optional

Purpose: To specify basic item identification data.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
LIN01	350	Assigned Identification	O	AN	1/6	Line item identifying number, sequential by family
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	VP - Vendor's Part Number
LIN03	234	Product/Service ID	M	AN	1/30	TI Device Part Number
LIN04	235	Product/Service ID Qualifier	O	ID	2/2	MF - Manufacturer
LIN05	234	Product/Service ID	C	AN	1/30	COM - Commercial Device MIL - Military Device
LIN06	235	Product/Service ID Qualifier	O	ID	2/2	AC - Aggregation Code
LIN07	234	Product/Service ID	C	AN	1/30	TI Device Family Code
LIN08	235	Product/Service ID Qualifier	O	ID	2/2	GU - Volume Usage Identification Code
LIN09	234	Product/Service ID	C	AN	1/30	TI Device Activity Code
LIN10	235	Product/Service ID Qualifier	O	ID	2/2	PQ - Product ID Attribute Code
LIN11	234	Product/Service ID	C	AN	1/30	Sole Source Flag: N - No or Y - Yes
LIN12	235	Product/Service ID Qualifier	O	ID	2/2	ZZ - Mutually Defined
LIN13	234	Product/Service ID	C	AN	1/30	TI Market Program Code
LIN14	235	Product/Service ID Qualifier	O	ID	2/2	TP - Product Type Code
LIN15	234	Product/Service ID	C	AN	1/30	TI Tool Part Flag: N - No or Y - Yes
LIN16	235	Product/Service ID Qualifier	O	ID	2/2	VX - Vendor's Specification Number
LIN17	234	Product/Service ID	C	AN	1/30	Included Flag: A - Add or D - Delete

NOTE: LIN18 through LIN31 are not used.

CTB - Restrictions/Conditions

Status: Optional

Purpose: To specify restrictions/conditions (such as shipping, ordering).

Field #	Element	Field Name	Req.	Type	Size	TI Usage
CTB01	688	Restriction Condition Qualifier	M	ID	2/2	OR - Ordering
CTB02	352	Description	C	AN	1/80	OK to order? Y - Yes or N - No
CTB03	673	Quantity Qualifier	C	ID	2/2	57 - Minimum Order Quantity
CTB04	380	Quantity	C	R	1/10	Minimum Order Quantity

PID - Product/Item Description

Status: Optional

Purpose: To describe a product or process in coded or free-form format.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
PID01	349	Item Description Type	M	ID	1/1	F - Free-form
PID02	750	Product/Process Character Code	O	ID	2/3	Not Used
PID03	559	Association Qualifier Code	C	ID	2/2	Not Used
PID04	751	Product Description Code	C	ID	1/12	Not Used
PID05	352	Description	C	AN	1/80	Part Description
PID06	752	Surface/Layer/ Position Code	O	ID	2/2	Not Used

PO4 - Item Physical Details

Status: Optional

Purpose: To specify the physical qualities, packaging, weights and dimensions relating to the item.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
PO401	356	Pack	O	N0	1/6	Not Used
PO402	357	Size	O	R	1/8	Standard Pack Quantity
PO403	355	Unit of Measure Code	C	ID	2/2	EA - Each
PO404	103	Packaging Code	O	ID	5/5	REL90 - Reel/Standard

NOTE: 1. If PO404 is not sent, assume the packaging code is bulk.
2. PO405 through PO413 are not used.

CTP - Pricing Information

Status: Optional

Purpose: To specify pricing information.

Field #	Element	Field Name	Req.	Type	Size	TI Usage
CTP01	687	Class of Trade Code	O	ID	2/2	DI - Distributor RS - Resale
CTP02	236	Price Qualifier Code	O	ID	3/3	DIS - Distributor's Price ICL - Unit Price Through Quantity MIN - Minimum Order Quantity PBQ - Unit Price Beginning Quantity
CTP03	212	Unit Price	C	R	1/14	Unit Price
CTP04	380	Quantity	O	R	1/10	Price Break Quantity
CTP05	355	Unit of Measure Code	C	ID	2/2	EA - Each
CTP06	648	Price Multiplier Qualifier	O	ID	3/3	Not Used
CTP07	649	Multiplier	C	R	1/10	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 the 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	Group 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.