

User Defined File (UDF) Format Revision 1

**for
Federal Implementation Guideline for
Electronic Data Interchange**

**ASC X12 003050 Transaction Set 843
Response to Requests for Quotation**

**Implementation Convention
003050F843_1 (Revision 1)**

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User Defined File (UDF) Format
for
Federal 843 Implementation Convention

[REDACTED]

This document provides the structure of the User Defined File (UDF) used by the EDI translator to produce the 843 transaction set for Response to Requests for Quotation. The 843 transaction set is compliant with the ANSI Standards Committee (ASC) X12 3050 standard. The 843 transaction set is also compliant with the current Federal Government Implementation Convention (Dated - [REDACTED]). This UDF supports every segment and data element specified in the Federal Government Implementation Convention. The UDF supports each of the data elements at their maximum size in the Federal Government Implementation Convention.

Any optional records for which the application program producing this UDF does not have data will not appear in the UDF. For example, if there are not any "F.O.B. Related Instructions" which are not tied to a shipment, there will not be a record with the Record ID of "04" in the UDF. All optional fields, in a record which is present for which the application program does not have data, are filled with spaces. All mandatory fields for an optional record must have a value if the record is generated. Conditional fields for a generated record must be present or absent based on the conditions specified in the convention.

Alphanumeric fields are identified in the format column by an "X" followed by the length of the field enclosed in parentheses. All alphanumeric fields are left justified with trailing spaces to fill the field.

Numeric fields are identified in the format column by a "9" followed by the length of the field enclosed in parentheses. All numeric fields are right justified with leading zeroes to fill the field. For numeric fields, only negative signs will be transmitted; positive signs will not be transmitted. In the UDF, the sign will be placed in the leftmost position of the field and will contain a "--" for negative numbers and a "0" for positive numbers. To accommodate the sign, the field's length will be one (1) character longer than the element size specified in the Convention.

For numeric fields containing numbers with a fixed number of decimal positions where the decimal point is not transmitted (e.g., a data element with format of "N2"), the decimal point is not present in the UDF. In order to express the implied fixed decimal point position, a "v" followed by a "9" for each decimal

position is found in the format column after the parentheses and the length of the field expressed within the parentheses is decreased by the number of fixed decimal positions. For integers, however, the implied decimal point position need *not* be annotated in the format column using the "v" notation described above because it is understood that there are no decimal positions.

For numeric fields containing numbers with a varying number of decimal positions and where decimal positions must be transmitted (e.g., a data element with format of "R15"), the decimal point must be present in the UDF although it is not counted in the length of the field. To accommodate the decimal point, the field's length will be one (1) character longer than the element size specified in the Convention. This is *in addition to* the added character to accommodate the sign. For these types of fields, the field's total length will be two (2) characters longer than the element size specified in the Convention.

All records are described in ascending Record ID number. Any numbers for which there is not a record described are reserved for future use if additional records are needed. The reserved numbers have been selected to minimize the chances that the addition of a new record will require the renumbering of existing records. This minimizes the probability that the existing programs producing the UDF will need to be modified unless the application needs to use the new record.

Control Structure Record

"00" Record - Envelope Data/Information

This record provides envelope information about an inbound 843 transaction. This record is created by specifying the "0" option on the command line when invoking the translator for an inbound translation. THIS RECORD WILL ONLY EXIST FOR INBOUND UDFs.

<u>Field Number</u>	<u>Position Start - End</u>	<u>Format</u>	<u>Field Name/Comments</u>
01	01 - 16	X(16)	Trading Partner Code.
02	17 - 18	X(2)	Record ID of "00".
03	19 - 20	X(2)	GS01 Field Document Code.
04	21 - 35	X(15)	GS02 Sender's Application Code.
05	36 - 50	X(15)	GS03 Receiver's Application Code.
06	51 - 56	YYMMDD	GS04 Function Group Date.
07	57 - 62	HHMM	GS05 Function Group Time. The last two positions of this field are blank.
08	63 - 71	X(9)	GS06 Group Control Number.
09	72 - 73	X(2)	GS07 Responsible Agency Code.
10	74 - 85	X(12)	GS08 Version and Release Number.
11	86 - 88	X(3)	ISA = IC Header ID.
12	89 - 89	X(1)	Delimiter (Data Separator).
13	90 - 91	X(2)	ISA01 Authorization Qualifier (BG01/ICS01).
14	92 - 92	X(1)	Delimiter (Data Separator).

15	93 - 102	X(10)	ISA02 Authorization Information (BG02/ICS02).
16	103 - 103	X(1)	Delimiter (Data Separator).
17	104 - 105	X(2)	ISA03 Security Qualifier (BG03/ICS03).
18	106 - 106	X(1)	Delimiter.
19	107 - 116	X(10)	ISA04 Security Information (BG04/ICS04).
20	117 - 117	X(1)	Delimiter.
21	118 - 119	X(2)	ISA05 Interchange Sender Qualifier (BG05/ICS05).
22	120 - 120	X(1)	Delimiter.
23	121 - 135	X(15)	ISA06 Interchange Sender ID (BG06/ICS06).
24	136 - 136	X(1)	Delimiter.
25	137 - 138	X(2)	ISA07 Interchange Receiver Qualifier (BG07/ICS07).
26	139 - 139	X(1)	Delimiter.
27	140 - 154	X(15)	ISA08 Interchange Receiver ID (ICS08).
28	155 - 155	X(1)	Delimiter.
29	156 - 161	YYMMDD	ISA09 Date of Translation (ICS09).
30	162 - 162	X(1)	Delimiter.
31	163 - 166	X(4)	ISA10 Hour of Translation (ICS10).
32	167 - 167	X(1)	Delimiter.
33	168 - 168	X(1)	ISA11 Interchange Standard ID (ICS11).

34	169 - 169	X(1)	Delimiter.
35	170 - 174	X(5)	ISA12 ANSI Version Number (ICS12).
36	175 - 175	X(1)	Delimiter.
37	176 - 184	X(9)	ISA13 Interchange Control Number.
38	185 - 185	X(1)	Delimiter.
39	186 - 186	X(1)	ISA14 Acknowledgement Flag.
40	187 - 187	X(1)	Delimiter.
41	188 - 188	X(1)	ISA15 Test Indicator.
42	189 - 189	X(1)	Delimiter.
43	190 - 190	X(1)	Sub Element Separator.

Document Header Records

These records are used to generate the segments in Table 1 of the 843 transaction set.

"01" Record - Trading Partner/Response/Currency Information

This record provides information about the set of records used to create an 843 transaction. This record also contains fields that map to the 1/BQR/020 and 1/CUR/040 segments.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "01".
02	03 - 17	X(15)	Application Sender's Code The DUNS Number, DUNS+4, DODAAC or other code identifying the activity sending this transaction.
03	18 - 32	X(15)	Application Receiver's Code. The DUNS Number, DUNS+4, CAGE Code or other code identifying to whom this transaction will be sent.
04	33 - 38	X(6)	X12 Standard Version/Release. Identifies the version of the X12 transaction set that will be developed for this set of records. Must contain the following literal: "003050"
05	39 - 44	X(6)	Implementation Convention ID. A unique identifier for the Federal IC for this transaction set. Must contain the following literal: "F843_1"
06	45 - 52	CCYYMMDD	Date. Date this group of records was added to the UDF.

07	53 - 60	HHMMSSDD	Time. Time that this group of records was added to the UDF. "DD" is for hundredths of a seconds.
08	61 - 62	X(2)	Transaction Set Purpose Code. See BQR01 data element.
09	63 - 107	X(45)	Request for Quote Reference Number. See BQR02 data element.
10	106 - 113	YYMMDD	Date. See BQR03 data element.
11	114 - 116	X(3)	Date/Time Qualifier. See BQR04 data element.
12	117 - 122	YYMMDD	Date. See BQR05 data element.
13	123 - 124	X(2)	Bid Type Response Code. See BQR06 data element.
14	125 - 126	X(2)	Security Level Code. See BQR07 data element.
15	127 - 128	X(2)	Entity Identifier Code. See CUR01 data element.
16	129 - 131	X(3)	Currency Code. See CUR02 data element.
17	132 - 139	9(8)	Exchange Rate. See CUR03 data element.
18	140 - 141	X(2)	Entity Identifier Code. See CUR04 data element.
19	142 - 144	X(3)	Currency Code. See CUR05 data element.

"02" Record - Reference Number

This record maps to the 1/REF/050 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "02".
02	03 - 04	X(2)	Reference Number Qualifier. See REF01 data element.
03	05 - 34	X(30)	Reference Number. See REF02 data element.
04	35 - 114	X(80)	Description. See REF03 data element.

"04" Record - FOB Point

This record maps to the 1/FOB/080 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "04".
02	03 - 04	X(2)	Shipment Method of Payment. See FOB01 data element.
03	05 - 06	X(2)	Location Qualifier. See FOB02 data element.
04	07 - 08	X(2)	Location Qualifier. See FOB06 data element.

"05" Record - Period Amount

This record maps to the 1/PAM/095 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "05".
02	03 - 04	X(2)	Amount Qualifier Code. See PAM04 data element.
03	05 - 21	9(17)	Monetary Amount. See PAM05 data element.

"06" Record - Services, Promotions, Allowances, and Charges

This record maps to the 1/SAC/120 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "06".
02	03 - 03	X(1)	Allowance or Charge Indicator. See SAC01 data element.
03	04 - 07	X(4)	Service, Promotion, Allowance, or Charge Code. See SAC02 data element.
04	08 - 23	9(14)v99	Amount. See SAC05 data element.
05	24 - 24	X(1)	Allowance/Charge Percent Qualifier. See SAC06 data element.
06	25 - 32	9(8)	Percent. See SAC07 data element.
07	33 - 43	9(11)	Rate. See SAC08 data element.
08	44 - 45	X(2)	Unit or Basis for Measurement Code. See SAC09 data element.
09	46 - 62	9(17)	Quantity. See SAC10 data element.
10	63 - 79	9(17)	Quantity. See SAC11 data element.

"07" Record - Terms of Sale/Deferred Terms of Sale

This record maps to the 1/ITD/130 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "07".
02	03 - 10	9(8)	Terms Discount Percent. See ITD03 data element.
03	11 - 14	9(4)	Terms Discount Days Due. See ITD05 data element.
04	15 - 18	9(4)	Terms Net Days. See ITD07 data element.

"08" Record - Volume Discount

This record maps to the 1/DIS/140 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "08".
02	03 - 05	X(3)	Discount Terms Type Code. See DIS01 data element.
03	06 - 07	X(2)	Discount Base Qualifier. See DIS02 data element.
04	08 - 19	9(12)	Discount Base Value. See DIS03 data element.
05	20 - 22	X(3)	Discount Control Limit Qualifier. See DIS04 data element.
06	23 - 33	9(11)	Discount Control Limit. See DIS05 data element.
07	34 - 44	9(11)	Discount Control Limit. See DIS06 data element.

"09" Record - Date/Time Reference

This record maps to the 1/DTM/150 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "09".
02	03 - 05	X(3)	Date/Time Qualifier. See DTM01 data element.
03	06 - 08	9(3)	Century. See DTM05 data element.
04	09 - 14	YYMMDD	Date. See DTM02 data element.
05	15 - 18	HHMM	Time. See DTM03 data element.
06	19 - 20	X(2)	Time Code. See DTM04 data element.
07	21 - 23	X(3)	Date/Time Period Format Qualifier. See DTM06 data element.
08	24 - 58	X(35)	Date/Time Period. See DTM07 data element.

"10" Record - Delivery Lead Time

This record maps to the 1/LDT/160 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "10".
02	03 - 04	X(2)	Lead Time Code. See LDT01 data element.
03	05 - 21	9(17)	Quantity. See LDT02 data element.
04	22 - 23	X(2)	Unit of Time Period or Interval. See LDT03 data element.
05	24 - 29	YYMMDD	Date. See LDT04 data element.

"12" Record - Quantity Variations/Limits

This record maps to the 1/MEA/200 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "12".
02	03 - 04	X(2)	Measurement Reference ID Code. See MEA01 data element.
03	05 - 07	X(3)	Measurement Qualifier. See MEA02 data element.
04	08 - 29	9(22)	Measurement Value. See MEA03 data element.
05	30 - 31	X(2)	Unit or Basis for Measurement Code. See MEA04-C00101 and MEA04 (composite) data elements.
06	32 - 33	X(2)	Unit or Basis for Measurement Code. See MEA04-C00104 and MEA04 (composite) data elements.
07	34 - 55	9(22)	Range Minimum. See MEA05 data element.
08	56 - 77	9(22)	Range Maximum. See MEA06 data element.

"13" Record - Paperwork

This record maps to the 1/PWK/210 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "13".
02	03 - 04	X(2)	Report Type Code. See PWK01 data element.
03	05 - 06	X(2)	Report Transmission Code. See PWK02 data element.
04	07 - 08	X(2)	Entity Identifier Code. See PWK04 data element.
05	09 - 88	X(80)	Description. See PWK07 data element.
06	89 - 90	X(2)	Paperwork/Report Action Code. See PWK08-C00201 data element.

"14" Record - Packaging Requirements

This record maps to the 1/PKG/220 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "14".
02	03 - 03	X(1)	Item Description Type. See PKG01 data element.
03	04 - 08	X(5)	Packaging Characteristic Code. See PKG02 data element.
04	09 - 10	X(2)	Agency Qualifier Code. See PKG03 data element.
05	11 - 17	X(7)	Packaging Description Code. See PKG04 data element.
06	18 - 97	X(80)	Description. See PKG05 data element.

"15" Record - Transportation Method

This record maps to the 1/TD5/240 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "15".
02	03 - 04	X(2)	Transportation Method/Type Code. See TD504 data element.
03	05 - 06	X(2)	Service Level Code. See TD512 data element.

"16" Record - Special Handling/Hazardous Material Information

This record maps to the 1/TD4/260 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "16".
02	03 - 05	X(3)	Special Handling Code. See TD401 data element.
03	06 - 06	X(1)	Hazardous Material Code Qualifier. See TD402 data element.
04	07 - 10	X(4)	Hazardous Material Class Code. See TD403 data element.
05	11 - 90	X(80)	Description. See TD404 data element.

Certifications and Representations Loop

The following two record types allow the references to or the inclusion of certifications, representations, fill-in information, or other references that apply to the entire response to the request for quotation.

"22" Record - Reference Number

This record maps to the 1/N9/290 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "22".
02	03 - 04	X(2)	Reference Number Qualifier. See N901 data element.
03	05 - 34	X(30)	Reference Number. See N902 data element.
04	35 - 79	X(45)	Free-Form Description. See N903 data element.
05	80 - 85	YYMMDD	Date. See N904 data element.

"23" Record - Message Text

This record maps to the 1/MSG/300 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "23".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

Organization/Location Loop

The following set of records identify the Organizations and Locations applicable to the entire response to the request for quotation.

"25" Record - Organization/Location Identification

This record maps to the 1/N1/310 segment and two instances of the 1/N2/320 and 1/N3/330 segments.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "25".
02	03 - 04	X(2)	Entity Identifier Code. See N101 data element.
03	05 - 39	X(35)	Name. See N102 data element.
04	40 - 41	X(2)	Identification Code Qualifier. See N103 data element.
05	42 - 61	X(20)	Identification Code. See N104 data element.
06	62 - 96	X(35)	Additional Name 1. See N201 data element.
07	97 - 131	X(35)	Additional Name 2. See N202 data element.
08	132 - 166	X(35)	Additional Name 3. See N201 data element.
09	167 - 201	X(35)	Additional Name 4. See N202 data element.
10	202 - 236	X(35)	Address Information 1. See N301 data element.
11	237 - 271	X(35)	Address Information 2. See N302 data element.

12	272 - 306	X(35)	Address Information 3. See N301 data element.
13	307 - 341	X(35)	Address Information 4. See N302 data element.

"26" Record - Geographic Location

This record maps to the 1/N4/340.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "26".
02	03 - 32	X(30)	City Name. See N401 data element.
03	33 - 34	X(2)	State or Province code. See N402 data element.
04	35 - 45	X(11)	Postal Code. See N403 data element.
05	46 - 48	X(3)	Country Code. See N404 data element.
06	49 - 50	X(2)	Location Qualifier. See N405 data element.
07	51 - 80	X(30)	Location Identifier. See N406 data element.

"27" Record - Reference Number

This record maps to the 1/REF/350 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "27".
02	03 - 04	X(2)	Reference Number Qualifier. See REF01 data element.
03	05 - 34	X(30)	Reference Number. See REF02 data element.

"28" Record - Communications Contact

This record maps to the 1/PER/360 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "28".
02	03 - 04	X(2)	Contact Function Code. See PER01 data element.
03	05 - 39	X(35)	Name. See PER02 data element.
04	40 - 41	X(2)	Communication Number 1 Qualifier. See PER03 data element.
05	42 - 121	X(80)	Communication Number 1. See PER04 data element.
06	122 - 123	X(2)	Communication Number 2 Qualifier. See PER05 data element.
07	124 - 203	X(80)	Communication Number 2. See PER06 data element.
08	204 - 205	X(2)	Communication Number 3 Qualifier. See PER07 data element.
09	206 - 285	X(80)	Communication Number 3. See PER08 data element.
10	286 - 305	X(20)	Contact Inquiry Reference. See PER09 data element.

"29" Record - Transportation Method

This record maps to the 1/TD5/390 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "29".
02	03 - 04	X(2)	Transportation Method/Type Code. See TD504 data element.
03	05 - 06	X(2)	Service Level Code. See TD512 data element.

"30" Record - Special Handling/Hazardous Material Information

This record maps to the 1/TD4/410 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "30".
02	03 - 05	X(3)	Special Handling Code. See TD401 data element.
03	06 - 06	X(1)	Hazardous Material Code Qualifier. See TD402 data element.
04	07 - 10	X(4)	Hazardous Material Class Code. See TD403 data element.
05	11 - 90	X(80)	Description. See TD404 data element.

"31" Record - Packaging Requirements

This record maps to the 1/PKG/420 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "31".
02	03 - 03	X(1)	Item Description Type. See PKG01 data element.
03	04 - 08	X(5)	Packaging Characteristic Code. See PKG02 data element.
04	09 - 10	X(2)	Agency Qualifier Code. See PKG03 data element.
05	11 - 17	X(7)	Packaging Description Code. See PKG04 data element.
06	18 - 97	X(80)	Description. See PKG05 data element.

Document Detail Records

These records are used to generate the segments in Table 2 of the 843 transaction set.

"46" Record - Line Item Identification

This record maps to the 2/PO1/010 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "46".
02	03 - 13	X(11)	Assigned Identification. See PO101 data element.
03	14 - 24	9(11)	Quantity Ordered. See PO102 data element.
04	25 - 26	X(2)	Unit or Basis for Measurement Code. See PO103 data element.
05	27 - 45	9(19)	Unit Price. See PO104 data element.
06	46 - 47	X(2)	Basis of Unit Price Code. See PO105 data element.
07	48 - 49	X(2)	Product/Service ID Qualifier. See PO106 data element.
08	50 - 89	X(40)	Product/Service ID. See PO107 data element.
09	90 - 91	X(2)	Product/Service ID Qualifier. See PO108 data element.
10	92 - 131	X(40)	Product/Service ID. See PO109 data element.
11	132 - 133	X(2)	Product/Service ID Qualifier. See PO110 data element.

12	134 - 173	X(40)	Product/Service ID. See PO111 data element.
13	174 - 175	X(2)	Product/Service ID Qualifier. See PO112 data element.
14	176 - 215	X(40)	Product/Service ID. See PO113 data element.
15	216 - 217	X(2)	Product/Service ID Qualifier. See PO114 data element.
16	218 - 257	X(40)	Product/Service ID. See PO115 data element.
17	258 - 259	X(2)	Product/Service ID Qualifier. See PO116 data element.
18	260 - 299	X(40)	Product/Service ID. See PO117 data element.
19	300 - 301	X(2)	Product/Service ID Qualifier. See PO118 data element.
20	302 - 341	X(40)	Product/Service ID. See PO119 data element.
21	342 - 343	X(2)	Product/Service ID Qualifier. See PO120 data element.
22	344 - 383	X(40)	Product/Service ID. See PO121 data element.
23	384 - 385	X(2)	Product/Service ID Qualifier. See PO122 data element.
24	386 - 425	X(40)	Product/Service ID. See PO123 data element.
25	426 - 427	X(2)	Product/Service ID Qualifier. See PO124 data element.
26	428 - 467	X(40)	Product/Service ID. See PO125 data element.

"47" Record - Additional Item Detail

This record maps to the 2/PO3/030 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "47".
02	03 - 04	X(2)	Change Reason Code. See PO301 data element.
03	05 - 07	X(3)	Price Identifier Code. See PO303 data element.
04	08 - 26	9(19)	Unit Price. See PO304 data element.
05	27 - 28	X(2)	Basis of Unit Price Code. See PO305 data element.
06	29 - 45	9(17)	Quantity. See PO306 data element.
07	46 - 47	X(2)	Unit or Basis for Measurement Code. See PO307 data element.

"48" Record - Line Item Pricing Information

This record maps to the 2/CTP/040 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "48".
02	03 - 05	X(3)	Price Identifier Code. See CTP02 data element.
03	06 - 24	9(19)	Unit Price. See CTP03 data element.
04	25 - 41	9(17)	Quantity. See CTP04 data element.
05	42 - 43	X(2)	Unit or Basis for Measurement Code. See CTP05 data element.
06	44 - 53	X(10)	Condition Value. See CTP10 data element.

"49" Record - Line Item Measurement

This record maps to the 2/MEA/049 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "49".
02	03 - 04	X(2)	Measurement Reference ID Code. See MEA01 data element.
03	05 - 07	X(3)	Measurement Qualifier. See MEA02 data element.
04	08 - 29	9(22)	Measurement Value. See MEA03 data element.
05	30 - 31	X(2)	Unit or Basis for Measurement Code. See MEA04-C00101 and MEA04 (composite) data elements.
06	32 - 33	X(2)	Unit or Basis for Measurement Code. See MEA04-C00104 and MEA04 (composite) data elements.
07	34 - 55	9(22)	Range Minimum. See MEA05 data element.
08	56 - 77	9(22)	Range Maximum. See MEA06 data element.

"50" Record - Line Item Description

This record maps to the 2/PID/050 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "50".
02	03 - 03	X(1)	Item Description Type. See PID01 data element.
03	04 - 06	X(3)	Product/Process Characteristic Code. See PID02 data element.
04	07 - 08	X(2)	Agency Qualifier Code. See PID03 data element.
05	09 - 20	X(12)	Product Description Code. See PID04 data element.
06	21 - 100	X(80)	Description. See PID05 data element.

"51" Record - Line Item Paperwork Required

This record maps to the 2/PWK/070 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "51".
02	03 - 04	X(2)	Report Type Code. See PWK01 data element.
03	05 - 06	X(2)	Report Transmission Code. See PWK02 data element.
04	07 - 08	X(2)	Entity Identifier Code. See PWK04 data element.
05	09 - 88	X(80)	Description. See PWK07 data element.
06	89 - 90	X(2)	Paperwork/Report Action Code. See PWK08-C00201 data element.

"52" Record - Line Item Packaging Requirements

This record maps to the 2/PKG/080 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "52".
02	03 - 03	X(1)	Item Description Type. See PKG01 data element.
03	04 - 08	X(5)	Packaging Characteristic Code. See PKG02 data element.
04	09 - 10	X(2)	Agency Qualifier Code. See PKG03 data element.
05	11 - 17	X(7)	Packaging Description Code. See PKG04 data element.
06	18 - 97	X(80)	Description. See PKG05 data element.

"53" Record - Line Item Physical Details

This record maps to the 2/PO4/090 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "53".
02	03 - 09	9(7)	Pack. See PO401 data element.
03	10 - 19	9(10)	Size. See PO402 data element.
04	20 - 21	X(2)	Unit or Basis for Measurement Code. See PO403 data element.
05	22 - 26	X(5)	Packaging Code. See PO404 data element.
06	27 - 28	X(2)	Weight Qualifier. See PO405 data element.
07	29 - 39	9(11)	Gross Weight per Pack. See PO406 data element.
08	40 - 41	X(2)	Unit or Basis for Measurement Code. See PO407 data element.
09	42 - 52	9(11)	Gross Volume per Pack. See PO408 data element.
10	53 - 54	X(2)	Unit or Basis for Measurement Code. See PO409 data element.
11	55 - 64	9(10)	Length. See PO410 data element.
12	65 - 74	9(10)	Width. See PO411 data element.

13	75 - 84	9(10)	Height. See PO412 data element.
14	85 - 86	X(2)	Unit or Basis for Measurement Code. See PO413 data element.
15	87 - 93	9(7)	Inner Pack. See PO414 data element.

"54" Record - Line Item Reference Number

This record maps to the 2/REF/100 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "54".
02	03 - 04	X(2)	Reference Number Qualifier. See REF01 data element.
03	05 - 34	X(30)	Reference Number. See REF02 data element.
04	35 - 114	X(80)	Description. See REF03 data element.

"56" Record - Line Item Services, Promotions, Allowances, and Charges

This record maps to the 2/SAC/130 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "56".
02	03 - 03	X(1)	Allowance or Charge Indicator. See SAC01 data element.
03	04 - 07	X(4)	Service, Promotion, Allowance, or Charge Code. See SAC02 data element.
04	08 - 23	9(14)v99	Amount. See SAC05 data element.
05	24 - 24	X(1)	Allowance/Charge Percent Qualifier. See SAC06 data element.
06	25 - 32	9(8)	Percent. See SAC07 data element.
07	33 - 43	9(11)	Rate. See SAC08 data element.
08	44 - 45	X(2)	Unit or Basis for Measurement Code. See SAC09 data element.
09	46 - 62	9(17)	Quantity. See SAC10 data element.
10	63 - 79	9(17)	Quantity. See SAC11 data element.

"57" Record - Line Item Terms of Sale/Deferred Terms of Sale

This record maps to the 2/ITD/150 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "57".
02	03 - 10	9(8)	Terms Discount Percent. See ITD03 data element.
03	11 - 14	9(4)	Terms Discount Days Due. See ITD05 data element.
04	15 - 18	9(4)	Terms Net Days. See ITD07 data element.

"58" Record - Line Item Discount Detail

This record maps to the 2/DIS/160 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "58".
02	03 - 05	X(3)	Discount Terms Type Code. See DIS01 data element.
03	06 - 07	X(2)	Discount Base Qualifier. See DIS02 data element.
04	08 - 19	9(12)	Discount Base Value. See DIS03 data element.
05	20 - 22	X(3)	Discount Control Limit Qualifier. See DIS04 data element.
06	23 - 33	9(11)	Discount Control Limit. See DIS05 data element.
07	34 - 44	9(11)	Discount Control Limit. See DIS06 data element.

"60" Record - Line Item FOB Point

This record maps to the 2/FOB/180 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "60".
02	03 - 04	X(2)	Shipment Method of Payment. See FOB01 data element.
03	05 - 06	X(2)	Location Qualifier. See FOB02 data element.
04	07 - 08	X(2)	Location Qualifier. See FOB06 data element.

"62" Record - Line Item Date/Time Reference

This record maps to the 2/DTM/200 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "62".
02	03 - 05	X(3)	Date/Time Qualifier. See DTM01 data element.
03	06 - 08	9(3)	Century. See DTM05 data element.
04	09 - 14	YYMMDD	Date. See DTM02 data element.
05	15 - 18	HHMM	Time. See DTM03 data element.
06	19 - 20	X(2)	Time Code. See DTM04 data element.
07	21 - 23	X(3)	Date/Time Period Format Qualifier. See DTM06 data element.
08	24 - 58	X(35)	Date/Time Period. See DTM07 data element.

"63" Record - Line Item Transportation Method

This record maps to the 2/TD5/250 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "63".
02	03 - 04	X(2)	Transportation Method/Type Code. See TD504 data element.
03	05 - 06	X(2)	Service Level Code. See TD512 data element.

"65" Record - Line Item Special Handling/Hazardous Material Information

This record maps to the 2/TD4/270 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "65".
02	03 - 05	X(3)	Special Handling Code. See TD401 data element.
03	06 - 06	X(1)	Hazardous Material Code Qualifier. See TD402 data element.
04	07 - 10	X(4)	Hazardous Material Class Code. See TD403 data element.
05	11 - 90	X(80)	Description. See TD404 data element.

"66" Record - Line Item Message Text

This record maps to the 2/MSG/289 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "66".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

"67" Record - Line Item Security Level Information

This record maps to the 2/SPI/291 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "67".
02	03 - 04	X(2)	Security Level Code. See SPI01 data element.
03	05 - 06	X(2)	Reference Number Qualifier. See SPI02 data element.
04	07 - 36	X(30)	Reference Number. See SPI03 data element.
05	37 - 168	X(132)	Entity Title. See SPI04 data element.
06	169 - 170	X(2)	Security Level Code. See SPI09 data element.

"70" Record - Line Item Partial Deliveries to One Address Schedule

This record maps to the 2/SCH/292 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "70".
02	03 - 19	9(17)	Quantity. See SCH01 data element.
03	20 - 21	X(2)	Unit or Basis for Measurement Code. See SCH02 data element.
04	22 - 24	X(3)	Date/Time Qualifier. See SCH05 data element.
05	25 - 30	YYMMDD	Date. See SCH06 data element.
06	31 - 34	HHMM	Time. See SCH07 data element.
07	35 - 37	X(3)	Date/Time Qualifier. See SCH08 data element.
08	38 - 43	YYMMDD	Date. See SCH09 data element.
09	44 - 47	HHMM	Time. See SCH10 data element.

Line Item Pricing Data Loop

The following records provide information on the hours, rates, labor categories, overhead rates, time periods and other cost information.

"71" Record - Line Item Pricing Data

This record maps to the 2/PD/392 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "71".
02	03 - 04	X(2)	Unit of Time Period or Interval. See PD01 data element.
03	05 - 10	YYMMDD	Date. See PD02 data element.
04	11 - 12	X(2)	Unit or Basis for Measurement Code. See PD03-C00101 data element.
05	13 - 29	9(17)	Quantity. See PD04 data element.
06	30 - 64	X(35)	Name. See PD05 data element.
07	65 - 144	X(80)	Description. See PD06 data element.
08	145 - 146	X(2)	Breakdown Structure Detail Code. See PD07 data element.
09	147 - 149	X(3)	Proposal Data Detail Identifier Code. See PD10 data element.

"72" Record - Line Item Pricing Data Detail

This record maps to the 2/PDD/393 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "72".
02	03 - 13	X(11)	Assigned Identification. See PDD01 data element.
03	14 - 30	9(17)	Quantity. See PDD02 data element.
04	31 - 47	9(17)	Monetary Amount. See PDD03 data element.
05	48 - 59	9(12)	Percent. See PDD04 data element.
06	60 - 62	X(3)	Proposal Data Detail Identifier Code. See PDD05 data element.

Line Item Lead Time Delivery Schedule Loop

The following records provide information on the lead time delivery schedule and applicable reference numbers when they vary by line item.

"73" Record - Line Item Delivery Lead Time

This record maps to the 2/LDT/394 and 2/MSG/396 segments.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "73".
02	03 - 04	X(2)	Lead Time Code. See LDT01 data element.
03	05 - 21	9(17)	Quantity. See LDT02 data element.
04	22 - 23	X(2)	Unit of Time Period or Interval. See LDT03 data element.
05	24 - 29	YYMMDD	Date. See LDT04 data element.
06	30 - 293	X(264)	Free-Form Text Message. See MSG01 data element.

"74" Record - Line Item Lead Time Quantity

This record maps to the 2/QTY/395.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "74".
02	03 - 04	X(2)	Quantity Qualifier. See QTY01 data element.
03	05 - 21	9(17)	Quantity. See QTY02 data element.
04	22 - 23	X(2)	Unit or Basis for Measurement Code. See QTY03 data element.

CDRL Delivery Loop

The following two records provide codes from DoD 5010.12-M that identify the frequency of delivery for a CDRL data item.

"76" Record - Line Item CDRL Code Source Information

This record maps to the 2/LM/397 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "76".
02	03 - 04	X(2)	Agency Qualifier Code. See LM01 data element.
03	05 - 19	X(15)	Source Subqualifier. See LM02 data element.

"77" Record - Line Item Industry Code

This record maps to the 2/LQ/398 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "77".
02	03 - 05	X(3)	Code List Qualifier Code. See LQ01 data element.
03	06 - 25	X(20)	Industry Code. See LQ02 data element.

Line Item Certifications and Representations Loop

The following two record types allow the references to or the inclusion of certifications, representations, fill-in information, or other references that apply to a specific line item.

"79" Record - Line Item Reference Number

This record maps to the 2/N9/400 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "79".
02	03 - 04	X(2)	Reference Number Qualifier. See N901 data element.
03	05 - 34	X(30)	Reference Number. See N902 data element.
04	35 - 79	X(45)	Free-Form Description. See N903 data element.
05	80 - 85	YYMMDD	Date. See N904 data element.

"80" Record - Line Item Message Text

This record maps to the 2/MSG/410 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "80".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

Line Item Organization/Location Loop

The following set of records identify the Organizations and Locations applicable to a specific line item.

"81" Record - Line Item Organization/Location Identification

This record maps to the 2/N1/420 segment, two instances of the 2/N2/430 and 2/N3/440 segments, and one instance of the 2/N4/450 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "81".
02	03 - 04	X(2)	Entity Identifier Code. See N101 data element.
03	05 - 39	X(35)	Name. See N102 data element.
04	40 - 41	X(2)	Identification Code Qualifier. See N103 data element.
05	42 - 61	X(20)	Identification Code. See N104 data element.
06	62 - 96	X(35)	Additional Name 1. See N201 data element.
07	97 - 131	X(35)	Additional Name 2. See N202 data element.
08	132 - 166	X(35)	Additional Name 3. See N201 data element.
09	167 - 201	X(35)	Additional Name 4. See N202 data element.
10	202 - 236	X(35)	Address Information 1. See N301 data element.
11	237 - 271	X(35)	Address Information 2. See N302 data element.
12	272 - 306	X(35)	Address Information 3.

			See N301 data element.
13	307 - 341	X(35)	Address Information 4. See N302 data element.
14	342 - 371	X(30)	City Name. See N401 data element.
15	372 - 373	X(2)	State or Province code. See N402 data element.
16	374 - 384	X(11)	Postal Code. See N403 data element.
17	385 - 387	X(3)	Country Code. See N404 data element.
18	388 - 389	X(2)	Location Qualifier. See N405 data element.
19	390 - 419	X(30)	Location Identifier. See N406 data element.

"84" Record - Line Item Organization/Location Communications Contact

This record maps to the 2/PER/470 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "84".
02	03 - 04	X(2)	Contact Function Code. See PER01 data element.
03	05 - 39	X(35)	Name. See PER02 data element.
04	40 - 41	X(2)	Communication Number 1 Qualifier. See PER03 data element.
05	42 - 121	X(80)	Communication Number 1. See PER04 data element.
06	122 - 123	X(2)	Communication Number 2 Qualifier. See PER05 data element.
07	124 - 203	X(80)	Communication Number 2. See PER06 data element.
08	204 - 205	X(2)	Communication Number 3 Qualifier. See PER07 data element.
09	206 - 285	X(80)	Communication Number 3. See PER08 data element.
10	286 - 305	X(20)	Contact Inquiry Reference. See PER09 data element.

"86" Record - Line Item Organization/Location Schedule

This record maps to the 2/SCH/485 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "86".
02	03 - 19	9(17)	Quantity. See SCH01 data element.
03	20 - 21	X(2)	Unit or Basis for Measurement Code. See SCH02 data element.
04	22 - 24	X(3)	Date/Time Qualifier. See SCH05 data element.
05	25 - 30	YYMMDD	Date. See SCH06 data element.
06	31 - 34	HHMM	Time. See SCH07 data element.
07	35 - 37	X(3)	Date/Time Qualifier. See SCH08 data element.
08	38 - 43	YYMMDD	Date. See SCH09 data element.
09	44 - 47	HHMM	Time. See SCH10 data element.

"87" Record - Line Item Organization/Location Transportation Method

This record maps to the 2/TD5/500 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "87".
02	03 - 04	X(2)	Transportation Method/Type Code. See TD504 data element.
03	05 - 06	X(2)	Service Level Code. See TD512 data element.

**"88" Record - Line Item Organization/Location Special
Handling/Hazardous Material Information**

This record maps to the 2/TD4/520 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "88".
02	03 - 05	X(3)	Special Handling Code. See TD401 data element.
03	06 - 06	X(1)	Hazardous Material Code Qualifier. See TD402 data element.
04	07 - 10	X(4)	Hazardous Material Class Code. See TD403 data element.
05	11 - 90	X(80)	Description. See TD404 data element.

"89" Record - Line Item Organization/Location Packaging Requirements

This record maps to the 2/PKG/530 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "89".
02	03 - 03	X(1)	Item Description Type. See PKG01 data element.
03	04 - 08	X(5)	Packaging Characteristic Code. See PKG02 data element.
04	09 - 10	X(2)	Agency Qualifier Code. See PKG03 data element.
05	11 - 17	X(7)	Packaging Description Code. See PKG04 data element.
06	18 - 97	X(80)	Description. See PKG05 data element.

Line Item Organization/Location Lead Time and Delivery Schedule Loop

The following records provide delivery schedule, applicable reference numbers and marks and numbers for shipping containers of products and services when the delivery schedule for a line item varies by ship-to address.

"90" Record - Line Item Organization/Location Delivery Lead Time
This record maps to the 2/LDT/550 and 2/MSG/580 segments.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "90".
02	03 - 04	X(2)	Lead Time Code. See LDT01 data element.
03	05 - 21	9(17)	Quantity. See LDT02 data element.
04	22 - 23	X(2)	Unit of Time Period or Interval. See LDT03 data element.
05	24 - 29	YYMMDD	Date. See LDT04 data element.
06	30 - 293	X(264)	Free-Form Text Message. See MSG01 data element.

"91" Record - Line Item Organization/Location Marks and Numbers

This record maps to the 2/MAN/560 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "91".
02	03 - 04	X(2)	Marks and Numbers Qualifier. See MAN01 data element.
03	05 - 49	X(45)	Marks and Numbers. See MAN02 data element.
04	50 - 94	X(45)	Marks and Numbers. See MAN03 data element.
05	95 - 96	X(2)	Marks and Numbers Qualifier. See MAN04 data element.
06	97 - 141	X(45)	Marks and Numbers. See MAN05 data element.
07	142 - 186	X(45)	Marks and Numbers. See MAN06 data element.

"92" Record - Line Item Organization/Location Quantity

This record maps to the 2/QTY/570 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "92".
02	03 - 04	X(2)	Quantity Qualifier. See QTY01 data element.
03	05 - 21	9(17)	Quantity. See QTY02 data element.
04	22 - 23	X(2)	Unit or Basis for Measurement Code. See QTY03 data element.

Document Summary Record

This record is used to generate the segments in Table 3 of the 843 transaction set.

"99" Record - Total Order Amount

This record maps to the 3/CTT/010, 3/AMT/015 and 3/SE/020 segments.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "99".
02	03 - 09	9(7)	Number of Line Items. See CTT01 data element.
03	10 - 21	9(12)	Hash Total. See CTT02 data element.
04	22 - 23	X(2)	Amount Qualifier Code. See AMT01 data element.
05	24 - 40	9(17)	Monetary Amount. See AMT02 data element.
06	41 - 49	X(9)	Transaction Set Control Number. See SE02 data element. THIS FIELD WILL ONLY EXIST FOR INBOUND UDFs.