

User Defined File (UDF) Format Revision 1

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

**ASC X12 003050 Transaction Set 860
Modifications to Award Instrument**

**Implementation Convention
003050F860_1 (Revision 1)**

***E*
DPCSC
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User Defined File (UDF) Format
for
Federal 860 Transaction Set

This document provides the structure of the User Defined File (UDF) used by the EDI translator to produce the 860 transaction set for disseminating buyer initiated purchase order changes. This 860 UDF is compliant with the American National Standards Institute (ANSI) Accredited Standards Committee (ASC) X12 3050 standard and the revised Federal Government 3050 860 Implementation Convention (IC), dated April 1997. This UDF supports every segment and data element specified in the Federal Government IC. The UDF supports each of the data elements at their maximum size in the Federal Government IC.

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 is not an "Administrative Communications Contact" which is not tied to an organization, there will not be a record with the Record ID of "03" 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 IC per the X12 standard.

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 IC. 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 IC.

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.

DPCSC Special Instructions: This document contains Special Instructions from the Defense Procurement Corporate Information Management Systems Center (DPCSC) for all applications using this UDF for DPCSC sponsored projects. The purpose of the instructions is to achieve the best possible consistency in data transmissions of information exchanged among Defense activities in replacement of other interface mechanisms. These instructions are additive to the instructions within the Federal Implementation Conventions.

The following UDF Records have DPCSC Special Instructions:

01, 02, 20, 21, 22, 23, 25, 32, 33, 46, 50, 60, 62, 95, 96. 97,
99

DPCSC Special Instructions: Contract writing applications should issue copies of 860s to all accounting stations shown on a contract instrument, even if the changes do not affect funds posted at any given station, in order to assist accounting stations in maintaining the proper sequence of modification actions. While this is an extra burden in the paper environment, it is a simple action in an electronic environment. By this activity, coordination between procurement and accounting may be improved.

Appendix A contains the Defense Finance and Accounting Service data format for the AT segment (AT02, AT07, and AT09) that is carried in Record 20, Fields 04, 05, and 06.

Appendix B is an example of the mapping of a Contract Data Requirements List, DD Form 1423.

Appendix C is the DD Form 1423 mapping matrix.

Control Structure Records

These records are used to convey the transaction set addressees and envelope data.

"HEADER" Record - Transaction Addresses

This record provides addressing information when multiple transactions, to be sent to multiple recipients, are generated from one UDF. Multiple address header records must be inserted at the front of the UDF. There will be one address record for each trading partner receiving a copy of the transaction set. The address records must be positioned before any other record in the UDF. If the UDF will only generate one transaction set, to be sent to one recipient, an address record may be present, but is not required.

If a UDF contains more than one address record, all recipients of the transaction set must be using the same version of the UDF. If different trading partners are having their transaction sets/messages generated from different versions of the UDF, different versions of the UDF must be developed by the sending system and the sending system must insert the address record(s) of the trading partners that use each version of the UDF

<u>Field Number</u>	<u>Position Start - End</u>	<u>Format</u>	<u>Field Name/ Comments</u>
01	01 - 14	X(14)	Address Record Identifier. Must contain the literal "****HEADER****".
02	15 - 29	X(15)	Application Receiver's Code. For the only or first address record, this must match the value of position 18-32 of Record 01 in the UDF. For subsequent address records the value must match the value that would have been inserted into those positions.

"00" Record - Envelope Data/Information

This record provides envelope information about an inbound 860 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 exist only for inbound UDFs.

Field Number	Position Start - End	Format	Field Name/ Comments
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 860 transaction set.

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

This record provides information about the set of records used to create an 860 transaction. This record also contains fields that map to the 1/BCH/020, 1/CUR/040 and 1/G53/274 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: "F860_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 BCH01 data element.
09	63 - 64	X(2)	Purchase Order Type Code. See BCH02 data element.
10	65 - 86	X(22)	Purchase Order Number. See BCH03 data element.

DPCSC Special Instructions: When modifying an order that was awarded against a contract issued by another Federal Agency (GSA, VA, etc.), cite that Agency's contract number in Field Number 10, not a DoD number.

11	87 - 116	X(30)	Release Number. See BCH04 data element.
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DPCSC Special Instructions: When modifying an order that was awarded against a contract issued by another Federal Agency (GSA, VA), cite the DoD order number in Field Number 11, i.e., N68836-97-F-0023.

12	117 - 124	X(8)	Change Order Sequence Number. See BCH05 data element.
13	125 - 130	YYMMDD	Date. See BCH06 data element.

DPCSC Special Instructions: Field Number 13 is the effective date of the modification; the signature date, if different, is conveyed in Record 09

14	131 - 175	X(45)	Request Reference Number. See BCH07 data element.
15	176 - 205	X(30)	Reference Number. See BCH09 data element.

16	206 - 211	YYMMDD	Date. See BCH10 data element.
17	212 - 217	YYMMDD	Date. See BCH11 data element.
18	218 - 219	X(2)	Contract Type Code. See BCH12 data element.

DPCSC Special Instructions: Use of Field Number 18 is REQUIRED to identify the type of contract for all award instruments administered by the Defense Contract Management Command (DCMC). If more than one type of contract applies, cite the predominant type based on dollar value.

19	220 - 221	X(2)	Security Level Code. See BCH13 data element.
20	222 - 223	X(2)	Acknowledgment Type. See BCH14 data element.

DPCSC Special Instructions: Do not use code 'AD'. Code 'AC' is used only by the Prime Vendor program.

21	224 - 225	X(2)	Transaction Type Code. See BCH15 data element.
22	226 - 227	X(2)	Purchase Category. See BCH16 data element.

DPCSC Special Instructions: Use of Field Number 22 is REQUIRED to identify the kind of contract for all award instruments administered by the Defense Contract Management Command (DCMC). If more than one kind of contract applies, cite the predominant kind based on dollar value.

23	228 - 229	X(2)	Entity Identifier Code. See CUR01 data element.
24	230 - 232	X(3)	Currency Code. See CUR02 data element.
25	233 - 240	9(8)	Exchange Rate. See CUR03 data element.
26	241 - 242	X(2)	Entity Identifier Code. See CUR04 data element.

27	243 - 245	X(3)	Currency Code. See CUR05 data element.
28	246 - 248	X(3)	Maintenance Type Code. See G5301 data element.

DPCSC Special Instructions: Use Field Number 28 to identify the type of change this modification makes to table 1 of the award instrument to which the modification applies. Changes made to table 2 of the award instrument are identified in Field Number 03 of Record "46".

a. When adding a new or first occurrence of a free standing segment(s) or a new or first iteration of a loop(s), cite code 021. Provide the new data in Field Numbers 23 - 27 and Records "02" - "44".

b. When deleting, without replacement, an entire occurrence of a free standing segment(s) or an entire iteration of a loop(s), cite code 002. Identify the data to be deleted by providing the free standing segment(s) or the lead segment of the loop in Field Numbers 23 - 27 and Records "02" - "44".

c. When codes 002 and 021 do not apply (e.g. modifying data within existing free standing segment(s) or loop(s)), cite code 001 and transmit the entire occurrence of the free standing segment(s) or the entire iteration of the loop(s)

d. When Field Number 28 is code value 001, Change, and all iterations of a free standing segment or all iterations of a loop are to be deleted in the overlay process, send one iteration of the the free standing segment or one iteration of the first segment of the loop affected. Show only the segment tag, the mandatory data elements with a qualifier value or zero fill, and any following conditional data elements with zero fill as needed to maintain X12 syntax.

"02" Record - Reference Number

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

DPCSC Special Instructions:

1. An iteration of Record 02 citing code K4 in Field Number 02 is REQUIRED for all award instruments administered by the Defense Contract Management Command (DCMC). Cite the associated surveillance criticality designator in Field Number 03.

2. An iteration of Record 02 is REQUIRED citing code DS in Field Number 02 whenever a DMS Rating applies to the award instrument. Cite the associated rating in Field Number 03.

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)	Acceptance/Inspection Point. See FOB06 data element.

"05" Record - Header Sale Condition

This record maps to the 1/CSH/110 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)	Sales Requirement Code. See CSH01 data element.
03	05 - 05	X(1)	Do-Not-Exceed Action Code. See CSH02 data element.
04	06 - 21	9(14)v99	Amount. See CSH03 data element.
05	22 - 23	X(2)	Agency Qualifier Code. See CSH06 data element.
06	24 - 33	X(10)	Special Services Code. See CSH07 data element.

"06" Record - Services, 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.
11	80 - 109	X(30)	Reference Number. See SAC13 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 - Discount Detail

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	32 - 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.

"11" Record - General Item Description

This record maps to the 1/PID/190 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "11".
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.

"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 - 09	9(3)	Report Copies Needed. See PWK03 data element.
05	10 - 11	X(2)	Entity Identifier Code. See PWK04 data element.
06	12 - 91	X(80)	Description. See PWK07 data element.
07	92 - 93	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)	Identification Code Qualifier. See TD502 data element.
03	05 - 24	X(20)	Identification Code. See TD503 data element.
04	25 - 26	X(2)	Transportation Method/Type Code. See TD504 data element.
05	27 - 28	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.

"17" Record - Marks and Numbers

This record maps to the 1/MAN/270 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "17".
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.

"19" Record - Tax Information

This record maps to the 1/TXI/275 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "19".
02	03 - 04	X(2)	Tax Type Code. See TXI01 data element.
03	05 - 21	9(17)	Monetary Amount. See TXI02 data element.
04	22 - 33	9(12)	Percent. See TXI03 data element.
05	34 - 34	X(1)	Tax Exempt Code. See TXI06 data element.
06	35 - 35	X(1)	Relationship Code. See TXI07 data element.
07	36 - 46	9(11)	Dollar Basis For Percent. See TXI08 data element.
08	47 - 66	X(20)	Tax Identification Number. See TXI09 data element.
09	67 - 77	X(11)	Assigned Identification. See TXI10 data element.

Financial Accounting Information Loop

The following two record types allows the specification of financial accounting information that is applicable to all line items.

DPCSC Special Instructions :

1. Use of this loop is REQUIRED to identify the obligated amounts associated with their DFAS Line of Accounting and ACRN data. Use one iteration of this loop for each ACRN.
2. Additionally, use this loop to convey cost, fee, or similar amounts for award instruments priced at contract level.
3. When Field Number 28 of Record "01" contains code value 001, Change, applications will carry the entire ACRN structure. This includes retaining and showing ACRNs that have been reduced to zero dollar value. Whenever decreasing an ACRN to zero, applications will show the decrease amount in addition to showing the new amount of zero for the ACRN. This is the same technique used for any ACRN decrease or increase (codes ZS or ZR) action. This technique is not used whenever 1/G53/274 cites code values 002, Delete, or 021, Addition.
 - a. Example of an ACRN structure (1/AMT/277 loop) from an original 850 to show three ACRNs:

```
AMT*KC*100000
AT*(AT02, AT07, AT09 data fill)
REF*AX*AA
AMT*KC*1000000
AT*(AT02, AT07, AT09 data fill)
REF*AX*AB
AMT*KC*200000
AT*(AT02, AT07, AT09 data fill)
REF*AX*AC
```

- b. Example of an ACRN structure in the 860 to show an increase of \$100,000 to ACRN AC of the original structure shown in a. above; 1/G53/274 is code 001:

```
AMT*KC*100000
AT*(AT02, AT07, AT09 data fill)
REF*AX*AA
AMT*KC*1000000
AT*(AT02, AT07, AT09 data fill)
```

```
REF*AX*AB
AMT*KC*300000
AT*(AT02, AT07, AT09 data fill)
REF*AX*AC
AMT*ZR*100000
REF*AX*AC
```

(Note that the third loop iteration shows ACRN AC at its new value while the fourth iteration identifies the value of the increase by citing code ZR. The association between the two iterations is maintained through use of the REF citing ACRN AC.)

c. Example of an ACRN structure in the 860 to show a reduction to zero (deletion) of ACRN AA with the addition of a new ACRN AD to replace ACRN AA in the funding scheme of the modified structure shown in b. above, 1/G53/274 is code value 001:

```
AMT*KC*0
AT*(AT02, AT07, AT09 data fill)
REF*AX*AA
AMT*ZS*100000
REF*AX*AA
AMT*KC*1000000
AT*(AT02, AT07, AT09 data fill)
REF*AX*AB
AMT*KC*300000
AT*(AT02, AT07, AT09 data fill)
REF*AX*AC
AMT*KC*100000
AT*(AT02, AT07, AT09 data fill)
REF*AX*AD
AMT*ZR*100000
REF*AX*AD
```

(Note that the first loop iteration shows ACRN AA reduced to its new value of zero with the second iteration identifying the value of the decrease by citing code ZS. The association between the two iterations is maintained through use of the REF citing ACRN AA and retains the history of ACRN AA in the contract. The AMT iteration for ACRNs AB and AC continue to show their present values. The last two iterations of the loop identify the new ACRN and its associated value as an increase. Note that through this technique the ZR and ZS are offsetting in value, maintaining the same total contract obligation value as intended.)

d. For deletions and additions that do not require the citation of code value 001 in 1/G53/274, show only the iterations of the 1/AMT/277 loop needed to identify the deleted (reduced) or added ACRNs and their associated data. Do not repeat the full structure or use the ZR and ZS codes as the 1/G53/274 code value identifies the action to be taken. ACRNs "deleted" using code 002 will be retained in the application for display as above with code 001 in future 860 transactions.

"20" Record - Amounts and Financial Accounting Information

This record maps to the 1/AMT/277 and 1/AT/278 segments.

DPCSC Special Instructions: For each ACRN, cite code 'KC' in Field Number 02, citing the obligated amount in Field Number 03, and the DFAS Line of Accounting in Field Numbers 04-06.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "20".
02	03 - 04	X(2)	Amount Qualifier Code. See AMT01 data element.
03	05 - 21	9(17)	Monetary Amount. See AMT02 data element.
04	22 - 42	X(21)	Treasury Symbol Number. See AT02 data element.

DPCSC Special Instructions: Use Field Number 04 to carry the Appropriation and Limit/Subhead, formatted in accordance with the DFAS Line of Accounting format, Appendix A.

05	43 - 50	X(8)	Accountable Station Number. See AT07 data element.
06	51 - 130	X(80)	Description. See AT09 data element.

DPCSC Special Instructions: Use Field Number 06 to carry the Supplemental Accounting Classification, formatted in accordance with the DFAS Line of Accounting format, Appendix A.

"21" Record - Financial Accounting References

This record maps to the 1/REF/279 segment.

DPCSC Special Instructions :

1. One iteration of Record 21 is REQUIRED for each loop which identifies a DFAS Line of Accounting to specify the ACRN. Cite code 'AX' in Field Number 02 and the ACRN in Field 03.
2. When Record 01, Field Number 18 is code 'FB', 'FC', 'FF' or 'FG' and Record 20, Field Number 02 is code '30', use Record 21 to convey the Incentive Fee rate.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "21".
02	03 - 04	X(2)	Reference Number Qualifier. See REF01 data element.

DPCSC Special Instructions :

1. When Record 20, Field Number 04 contains funds beginning with Service code "97", cite code '10' in Field Number 02.
2. When Record 01, Field Number 18 is code 'FB', 'FC', 'FF' or 'FG' and Record 20, Field Number 02 is code '30', cite code '1Z' in Field Number 02 to indicate an Incentive Fee rate.

03	05 - 34	X(30)	Reference Number. See REF02 data element.
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DPCSC Special Instructions :

1. When Field Number 02 is code '10', cite the Service Indicator Code for the Component originating the funding using one of the following code values:
 - 1-Army
 - 2-Air Force
 - 3-Defense Logistics Agency
 - 4-Navy
2. When Field Number 02 is code '1Z', cite the Incentive Fee rate (percentage) in the first five positions of Field Number 03 using the numeric construction XXX.X. Transmit the rate, including decimal point, without a percentage sign or any text.

Clauses Loop

The following two record types allow the references to or the inclusion of clauses, OMB circulars, special instructions, or other references that apply to the entire award instrument.

"22" Record - Clause Reference

This record maps to the 1/N9/280 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.

DPCSC Special Instructions:

1. When Record 22 is used to pass DFARS clause 252.232-7004, "DoD Progress Payment Rates", and it is necessary to convey a progress payment rate other than the rate contained in the clause, use Fields 01-05 citing the words 'Progress Payment Rate' in Field Number 04. Convey the percentage in Record 23.
2. When Record 22 is used to pass a Fee rate based upon cost, cite code 'KY' in Field Number 01 and cite the words 'Fee Rate (Cost)' in Field Number 04. Convey the percentage in Record 23.
3. When Record 22 is used to pass a Fee rate based upon labor hours, cite code 'KY' in Field Number 01 and cite the words 'Fee Rate (Hours)' in Field Number 04. Convey the percentage in Record 23.

"23" Record - Message Text

This record maps to the 1/MSG/290 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.

DPCSC Special Instructions :

1. When changing progress payment rates, always send the new rate (even if zero or the clause default rate) in the first four positions of 1/MSG/290, MSG01, such as 89.50, with the third position being the decimal. Use the standard construction in the 1/N9/280 segment to initiate the N9 loop as a progress payment rate.

2. When Record 22 is used to pass DFARS clause 252.232-7004, "Progress Payment Rate", and it is necessary to convey a progress payment rate other than the rate contained in the clause, or;

When Record 22 is used to pass a Fee rate based upon cost, or;

When Record 22 is used to pass a Fee rate based upon labor hours:

cite the rate (percentage) in the first five positions of Field Number 02 using the numeric construction XX.XX. Transmit the rate, including decimal point, without a percentage sign or any text. Use a lead zero as required, i.e., 06.25.

Organization/Location Loop

The following set of records identify the Organizations and Locations applicable to the entire procurement action

"25" Record - Organization/Location Identification

This record maps to the 1/N1/300 segment and two instances of the 1/N2/310 and 1/N3/320 segments.

DPCSC Special Instructions :

1. An iteration of Record 25 citing code 'PR' in Field Number 02 is REQUIRED for all award instruments to be paid by the Defense Finance and Accounting Service (DFAS).
2. An iteration of Record 25 citing code 'C4' in Field Number 02 is REQUIRED for all award instruments administered by the Defense Contract Management Command (DCMC).

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/N4/330.

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/340 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.
04	35 - 114	X(80)	Description. See REF03 data element.

"28" Record - Communications Contact

This record maps to the 1/PER/350 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/TD5/380 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)	Identification Code Qualifier. See TD502 data element.
03	05 - 24	X(20)	Identification Code. See TD503 data element.
04	25 - 26	X(2)	Transportation Method/Type Code. See TD504 data element.
05	27 - 28	X(2)	Service Level Code. See TD512 data element.

"30" Record - Special Handling/Hazardous Material Information

This record maps to the 1/TD4/400 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/410 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.

Field Contract Administration Office Loop

The following two records provide data to field contract administration offices that cannot be provided by other means.

DPCSC Special Instructions: At least one iteration of the LM/LQ loop is REQUIRED to identify the Type of Business Code for all award instruments administered by the Defense Contract Management Command (DCMC).

"32" Record - Code Source Information

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

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "32".
02	03 - 04	X(2)	Agency Qualifier Code. See LM01 data element.

DPCSC Special Instructions: For the Type of Business Code and other codes from lists originating within DoD, cite code 'DF' in Field Number 02.

03	05 - 19	X(15)	Source Subqualifier. See LM02 data element.
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"33" Record - Industry Code

This record maps to the 1/LQ/430 segment.

DPCSC Special Instructions: For the Type of Business Code, cite code '2' in Field Number 02 and the appropriate Type of Business Code in Field Number 03. For the Inspection Point, cite code '7' in Field Number 02 and either code 'D' or 'S' in Field Number 03.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "33".
02	03 - 05	X(3)	Code List Qualifier Code. See LQ01 data element.
03	06 - 25	X(20)	Industry Code. See LQ02 data element.

Security Information Loop

The following set of records provides security information which is normally provided in the Department of Defense Contract Security Classification Specification (DD Form 254). Within this loop are two embedded loops: a Security Organization Loop and a Contractor Access to Security Information Loop.

"35" Record - Security Level Information

This record maps to the 1/SPI/440 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "35".
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 - 38	X(2)	Transaction Set Purpose Code. See SPI07 data element.
06	39 - 40	X(2)	Report Type Code. See SPI08 data element.
07	41 - 42	X(2)	Security Level Code. See SPI09 data element.

"36" Record - Security Reference Number Information

This record maps to the 1/REF/450 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "36".
02	03 - 04	X(2)	Reference Number Qualifier. See REF01 data element.
03	05 - 34	X(30)	Reference Number. See REF02 data element.

"37" Record - Security Date Information

This record maps to the 1/DTM/460 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "37".
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.

"38" Record - General Security Information

This record maps to the 1/MSG/470 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "38".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

Security Organization Loop

The following set of records identify the organizations applicable to the DD Form 254 associated with the procurement instrument.

"39" Record - Security Organization Identification

This record maps to the 1/N1/480, 1/N4/510, and 1/G61/530 segments and two instances of the 1/N2/490 and 1/N3/500 segments.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "39".
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.
20	420 - 421	X(2)	Contact Function Code. See G6101 data element.
21	422 - 456	X(35)	Name. See G6102 data element.
22	457 - 458	X(2)	Communication Number Qualifier. See G6103 data element.
23	459 - 538	X(80)	Communication Number. See G6104 data element.
24	539 - 558	X(20)	Contact Inquiry Reference. See G6105 data element.

"40" Record - Organization Plain Text Information

This record maps to the 1/MSG/540 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "40".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

Contractor Access to Security Information Loop

The following set of records specifies contractor access to security information in accordance with the applicable DD Form 254 associated with the procurement instrument.

"41" Record - Security Information Access Information

This record maps to the 1/CB1/550 and 1/LDT/580 segments.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "41".
02	03 - 04	X(2)	Acquisition Data Code. See CB101 data element.
03	05 - 06	X(2)	Lead Time Code. See LDT01 data element.
04	07 - 23	9(17)	Quantity. See LDT02 data element.
05	24 - 25	X(2)	Unit of Time Period or Interval. See LDT03 data element.

"42" Record - Security Information Access Reference Numbers

This record maps to the 1/REF/560 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "42".
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.

"43" Record - Security Information Access Date Information

This record maps to the 1/DTM/570 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "43".
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.

"44" Record - Security Information Access Clear Text Information

This record maps to the 1/MSG/590 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "44".
02	03 - 266	X(264)	General Security Information. See MSG01 data element.

Document Detail Records

These records are used to generate the segments in Table 2 of the 860 transaction set.

DPCSC Special Instructions: When changing a line item, use one iteration of the POC loop with code DI, Delete Item(s), in Field Number 03 of the "46" Record, showing the data transmitted in the original 850 transaction or the latest 860 transaction, whichever is most recent for the line item. Follow with another iteration of the POC loop with POC02 as code AI, Add Additional Item(s), with the entire line item data as changed.

"46" Record - Line Item Identification & Pricing Arrangement

This record maps to the 2/POC/010 and 2/CN1/025 segments.

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 POC01 data element.

DPCSC Special Instructions: Use of Field Number 02 is REQUIRED to identify the Contract Line/Subline/Exhibit Item Number (CLIN/SUBCLIN/ELIN).

03	14 - 15	X(2)	Change or Response Type Code. See POC02 data element.
04	16 - 26	9(11)	Quantity Ordered. See POC03 data element.

DPCSC Special Instructions: When PO106 is code 'PD', use of Field Number 03 is REQUIRED to specify the quantity at the CLIN/SUBCLIN level as appropriate. This requirement may be satisfied by use of code 'PD' at the CLIN level and the quantity at the SUBCLIN level.

05	27 - 37	9(11)	Quantity Left To Receive. See POC04 data element.
06	38 - 39	X(2)	Unit or Basis for Measurement Code.

See POC05 data element.

07 40 - 58 9(19) Unit Price.
See POC06 data element.

DPCSC Special Instructions: When POC08, Field 09, is code 'PD' or "SV", use of Field Number 07 is REQUIRED to specify the unit price at the CLIN/SUBCLIN level as appropriate. This requirement may be satisfied by use of code 'PD' at the CLIN level and the price at the SUBCLIN level. Cite the number '0' with the Field Number 06 identifiers NC, NS, or TB.

08 59 - 60 X(2) Basis of Unit Price Code.
See POC07 data element.

09 61 - 62 X(2) Product/Service ID Qualifier.
See POC08 data element.

DPCSC Special Instructions: Cite code 'PD' for a Supply CLIN/SUBCLIN; code 'SV' for a Service CLIN/SUBCLIN; code 'EF' for DD Form 1423 Exhibit; or code 'A8' for an ELIN.

10 63 - 102 X(40) Product/Service ID.
See POC09 data element.

DPCSC Special Instructions: When POC08, Field 09, is code 'EF', cite the applicable Exhibit letter. Applications that cannot cite an Exhibit letter shall cite DD FORM 1423.

11 103 - 104 X(2) Product/Service ID Qualifier.
See POC10 data element.

12 105 - 144 X(40) Product/Service ID.
See POC11 data element.

13 145 - 146 X(2) Product/Service ID Qualifier.
See POC12 data element.

14 147 - 186 X(40) Product/Service ID.
See POC13 data element.

15 187 - 188 X(2) Product/Service ID Qualifier.
See POC14 data element.

16 189 - 228 X(40) Product/Service ID.
See POC15 data element.

17	229 - 230	X(2)	Product/Service ID Qualifier. See POC16 data element.
18	231 - 270	X(40)	Product/Service ID. See POC17 data element.
19	271 - 272	X(2)	Product/Service ID Qualifier. See POC18 data element.
20	273 - 312	X(40)	Product/Service ID. See POC19 data element.
21	313 - 314	X(2)	Product/Service ID Qualifier. See POC20 data element.
22	315 - 354	X(40)	Product/Service ID. See POC21 data element.
23	355 - 356	X(2)	Product/Service ID Qualifier. See POC22 data element.
24	357 - 396	X(40)	Product/Service ID. See POC23 data element.
25	397 - 398	X(2)	Product/Service ID Qualifier. See POC24 data element.
26	399 - 438	X(40)	Product/Service ID. See POC25 data element.
27	439 - 440	X(2)	Product/Service ID Qualifier. See POC26 data element.
28	441 - 480	X(40)	Product/Service ID. See POC27 data element.
29	481 - 482	X(2)	Contract Type Code. See CN101 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 - 21	9(17)	Quantity. See PO306 data element.
04	22 - 23	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.

DPCSC Special Instructions: Cite code 'X' in Field Number 02 if using both PID02 and PID05. Cite code 'F' if using PID05 without use of PID02. Ignore X12 Comment 1 for use of code 'X'.

03	04 - 06	X(3)	Product/Process Characteristic Code. See PID02 data element.
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DPCSC Special Instructions: Cite code 'OC' in Field Number 03 to indicate CLIN/SUBCLINS that are for options, or are incrementally or multiyear funded, whenever there is no ACRN and no funding is being obligated.

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.

DPCSC Special Instructions: When Field Number 03 is code 'OC', cite OPTION, INCREMENTAL FUNDING, or MULTIYEAR as appropriate in Field Number 06. For applications that cannot generate Field Number 03 code 'OC' but can complete this Field Number 06 using a text entry, that method is acceptable.

"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 - 09	9(3)	Report Copies Needed. See PWK03 data element.
05	10 - 11	X(2)	Entity Identifier Code. See PWK04 data element.
06	12 - 91	X(80)	Description. See PWK07 data element.
07	92 - 93	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.

"55" Record - Line Item Administrative Communications Contact

This record maps to the 2/PER/110 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "55".
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.

"56" Record - Line Item Services, 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.
11	80 - 109	X(30)	Reference Number. See SAC13 data element.

"57" Record - Line Item Sales Conditions, Terms, and Discounts

This record maps to the 2/IT8/140 and two occurrences of the 2/ITD/150 segments.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "57".
02	03 - 04	X(2)	Sales Requirement Code. See IT801 data element.
03	05 - 05	X(1)	Do-Not-Exceed Action Code. See IT802 data element.
04	06 - 21	9(14)v99	Amount. See IT803 data element.
05	22 - 29	9(8)	Terms Discount Percentage 1. See ITD03 data element.
06	30 - 33	9(4)	Terms Discount Days Due 1. See ITD05 data element.
07	34 - 41	9(8)	Terms Discount Percentage 2. See ITD03 data element.
08	42 - 45	9(4)	Terms Discount Days Due 2. See ITD05 data element.
10	50 - 53	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.

DPCSC Special Instructions: When Field Number 09 in Record 46 is code 'PD', use of Field Number 03 in Record 60 is REQUIRED to identify the FOB point unless the FOB point was specified in Record 04.

04	07 - 08	X(2)	Location Qualifier. See FOB06 data element.
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DPCSC Special Instructions: When Field Number 03 above is used, use of Field Number 04 is REQUIRED to identify the Acceptance and Inspection Point. If the Inspection Point differs from the Acceptance Point, use Records 96 and 97 to convey the Inspection Point.

"61" Record - Line Item Destination Quantity

This record maps to the 2/SDQ/190 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "61".
02	03 - 04	X(2)	Unit or Basis for Measurement Code. See SDQ01 data element.
03	05 - 06	X(2)	Identification Code Qualifier. See SDQ02 data element.
04	07 - 26	X(20)	Identification Code. See SDQ03 data element.
05	27 - 43	9(17)	Quantity. See SDQ04 data element.
06	44 - 63	X(20)	Identification Code. See SDQ05 data element.
07	64 - 80	9(17)	Quantity. See SDQ06 data element.
08	81 - 100	X(20)	Identification Code. See SDQ07 data element.
09	101 - 117	9(17)	Quantity. See SDQ08 data element.
10	118 - 137	X(20)	Identification Code. See SDQ09 data element.
11	138 - 154	9(17)	Quantity. See SDQ10 data element.
12	155 - 174	X(20)	Identification Code. See SDQ11 data element.
13	175 - 191	9(17)	Quantity. See SDQ12 data element.
14	192 - 211	X(20)	Identification Code.

			See SDQ13 data element.
15	212 - 228	9(17)	Quantity. See SDQ14 data element.
16	229 - 248	X(20)	Identification Code. See SDQ15 data element.
17	249 - 265	9(17)	Quantity. See SDQ16 data element.
18	266 - 285	X(20)	Identification Code. See SDQ17 data element.
19	286 - 302	9(17)	Quantity. See SDQ18 data element.
20	303 - 322	X(20)	Identification Code. See SDQ19 data element.
21	323 - 339	9(17)	Quantity. See SDQ20 data element.
22	340 - 359	X(20)	Identification Code. See SDQ21 data element.
23	360 - 376	9(17)	Quantity. See SDQ22 data element.

"62" Record - Line Item Date/Time Reference

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

DPCSC Special Instructions: When Field Number 09 in Record 46 is code 'PD', use of Record 62 is preferred to identify the delivery date. Use of Records 09, 10, 70, 75, 86, or 90 are acceptable alternatives. Use this technique for periods of performance and other dates as appropriate to the CLIN/SUBCLIN. For deliveries that are undefinitized or "As Required", do not transmit any coded delivery information. In the absence of a delivery date, MOCAS will default to a code value of 'U', Undefinitized.

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/TD5/240 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)	Identification Code Qualifier. See TD502 data element.
03	05 - 24	X(20)	Identification Code. See TD503 data element.
04	25 - 26	X(2)	Transportation Method/Type Code. See TD504 data element.
05	27 - 28	X(2)	Service Level Code. See TD512 data element.

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

This record maps to the 2/TD4/260 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 Marks and Numbers

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

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "66".
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.

"67" Record - Line Item Tax Information

This record maps to the 2/TXI/290 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)	Tax Type Code. See TXI01 data element.
03	05 - 21	9(17)	Monetary Amount. See TXI02 data element.
04	22 - 33	9(12)	Percent. See TXI03 data element.
05	34 - 34	X(1)	Tax Exempt Code. See TXI06 data element.
06	35 - 35	X(1)	Relationship Code. See TXI07 data element.
07	36 - 46	9(11)	Dollar Basis For Percent. See TXI08 data element.
08	47 - 66	X(20)	Tax Identification Number. See TXI09 data element.
09	67 - 77	X(11)	Assigned Identification. See TXI10 data element.

"68" 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 "68".
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.

"69" Record - Line Item Message Text

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

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "69".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

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

This record maps to the 2/SCH/295 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.
10	48 - 92	X(45)	Request Reference Number. See SCH11 data element.

Line Item Clauses Loop

The following two record types allow the references to, or the inclusion of clauses, OMB circulars, special instructions, or other references that apply to this line item.

"72" Record - Line Item Clause Reference

This record maps to the 2/N9/320 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "72".
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.

"73" Record - Line Item Clause Message Text

This record maps to the 2/MSG/330 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "73".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

"74" Record - Line Item Loop Header

This record maps to the 2/LS/331 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "74".
02	03 - 06	X(4)	Loop Identifier Code. See LS01 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.

"75" Record - Line Item Delivery Lead Time

This record maps to the 2/LDT/332 and 2/MSG/334 segments.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "75".
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.

"76" Record - Line Item Lead Time Quantity

This record maps to the 2/QTY/333 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)	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.

"77" Record - Line Item Lead Time Reference Number

This record maps to the 2/REF/335 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "77".
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.

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.

"78" Record - Line Item CDRL Code Source Information

This record maps to the 2/LM/336 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "78".
02	03 - 04	X(2)	Agency Qualifier Code. See LM01 data element.

"79" Record - Line Item CDRL Frequency Code

This record maps to the 2/LQ/337 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "79".
02	03 - 05	X(3)	Code List Qualifier Code. See LQ01 data element.
03	06 - 25	X(20)	Industry Code. See LQ02 data element.

"80" Record - Line Item Loop Trailer

This record maps to the 2/LE/338 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "80".
02	03 - 06	X(4)	Loop Identifier Code. See LE01 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/N1/340 segment and two instances of the 2/N2/350 and 2/N3/360 segments, and one instance of the 2/N4/370 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.

"83" Record - Line Item Organization/Location Reference Number

This record maps to the 2/REF/380 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "83".
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.

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

This record maps to the 2/PER/390 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/405 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.
10	48 - 92	X(45)	Request Reference Number. See SCH11 data element.

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

This record maps to the 2/TD5/420 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)	Identification Code Qualifier. See TD502 data element.
03	05 - 24	X(20)	Identification Code. See TD503 data element.
04	25 - 26	X(2)	Transportation Method/Type Code. See TD504 data element.
05	27 - 28	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/TD4/440 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/450 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/451 and 2/MSG/454 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/452 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/453 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.

"93" Record - Line Item Organization/Location Reference Number

This record maps to the 2/REF/455 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "93".
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.

"95" Record - Line Item Amounts and Financial Accounting Information

This record maps to the 2/AMT/590 and 2/REF/600 segments.

DPCSC Special Instructions :

1. For each Record 46 (CLIN/SUBCLIN/ELIN) that creates an obligation, use of Record 95 is REQUIRED to identify the obligated amount and its associated ACRN (or equivalent funding source). Cite an appropriate code in Field Number 02, the obligated amount in Field Number 03, the code 'AX' in Field Number 04, and the ACRN in Field Number 05. Use this same technique for obligations charged against Transportation Account Codes (TAC) with the appropriate entries in Field Numbers 04-05.

2. Use Record 95 to identify amounts associated with a priced CLIN/SUBCLIN. For example, on a Cost-Plus-Fixed-Fee CLIN with an estimated cost amount and a fixed-fee amount, use two iterations of Record 95 with Field Number 02 citing code '33' and 'E9' respectively. Cite code '1' or '29' in Field Number 02, as appropriate, for total CLIN/SUBCLIN amounts or amounts associated with Firm Fixed-Price CLINs/SUBCLINs. ACRNs associated with CLIN/SUBCLIN amounts may be conveyed on the same record if the obligation is fully funded.

3. Whenever the amount associated with a Record 46 and the Record 95 obligation amount are not equal, use a Record 95 with only Fields 02 and 03 to describe the CLIN/SUBCLIN amount and another Record 95 with Field Number 02 citing code 'KC', identify the obligation amount in Field 03, and use Fields 04-05 to identify the ACRN.

4. When Record 46, Field Number 29 is code 'FB', 'FC', 'FF' or 'FG' and Field Number 02 below is code '30', use Field Numbers 04-05 to convey the Incentive Fee rate. See Record 21 for data format.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "95".
02	03 - 04	X(2)	Amount Qualifier Code. See AMT01 data element.

03	05 - 21	9(17)	Monetary Amount. See AMT02 data element.
04	22 - 23	X(2)	Reference Number Qualifier. See REF01 data element.
05	24 - 53	X(30)	Reference Number. See REF02 data element.
06	54 - 133	X(80)	Description. See REF03 data element.

Line Item Field Contract Administration Office Loop

The following two records provide line item specific data to field contract administration offices that cannot be provided by other means.

"96" Record - Line Item Contract Administration Office Code
Source Information

This record maps to the 2/LM/610 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "96".
02	03 - 04	X(2)	Agency Qualifier Code. See LM01 data element.

DPCSC Special Instructions: For codes from lists originating within DoD, cite code 'DF' in Field Number 02.

03	05 - 19	X(15)	Source Subqualifier. See LM02 data element.
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"97" Record - Line Item Contract Administration Office Industry Code

This record maps to the 2/LQ/620 segment.

DPCSC Special Instructions: For the Inspection Point, cite code '7' in Field Number 02 and either code 'D' or 'S' in Field Number 03.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "97".
02	03 - 05	X(3)	Code List Qualifier Code. See LQ01 data element.
03	06 - 25	X(20)	Industry Code. See LQ02 data element.

Document Summary Record

This record is used to generate the segments in Table 3 of the 860 transaction set.

"99" Record - Total Order Amount

This record maps to the 3/CTT/010 segment, five instances of the 3/AMT/020 segment and one instance of the 3/SE/030 segment.

DPCSC Special Instructions: Use of Field Numbers 04 and 05 is REQUIRED to identify the award total value for all award instruments administered by the Defense Contract Management Command (DCMC). Cite code 'TT' in Field Number 04 to indicate firm amounts; use other codes in Field Number 04 as appropriate for estimated amounts, undefinitized amounts, etc. The amount value in Field Number 05 represents the instrument's total value which may not equal the amount obligated by the instrument or the sum of the line items.

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 1. See AMT01 data element.
05	24 - 40	9(17)	Monetary Amount 1. See AMT02 data element.
06	41 - 42	X(2)	Amount Qualifier Code 2. See AMT01 data element.
07	43 - 59	9(17)	Monetary Amount 2. See AMT02 data element.
08	60 - 61	X(2)	Amount Qualifier Code 3. See AMT01 data element.

09	62 - 78	9(17)	Monetary Amount 3. See AMT02 data element.
10	79 - 80	X(2)	Amount Qualifier Code 4. See AMT01 data element.
11	81 - 97	9(17)	Monetary Amount 4. See AMT02 data element.
12	98 - 99	X(2)	Amount Qualifier Code 5. See AMT01 data element.
13	100 - 116	9(17)	Monetary Amount 5. See AMT02 data element.
14	117 - 125	X(9)	Transaction Set Control Number. See SE02 data element. This field will exist only in the inbound UDFs.

Appendix A

Special Instructions for the AT Segment Accounting Classification Layout for Record 20

NAVY (17)
850/860 ACCOUNTING CLASSIFICATION LAYOUT

	**A/N	FLD LENGTH	POS
AT02			
DEPARTMENT CODE*	A	(2)	1 thru 2
DEPT CODE (issuing)	A	(2)	3 thru 4
FISCAL YEAR***	A	(4)	5 thru 8
TREASURY ACCOUNT #	A	(4)	9 thru 12
SUBHEAD/LIMIT	A	(4)	13 thru 16
FILLER		(5)	17 thru 21
TOTAL		(21)	
AT07			
ACCOUNTING STATION #	A	(8)	1 thru 8
AT09			
OBJECT CLASS	N	(3)	1 thru 3
BUREAU CONTROL #	A	(5)	4 thru 8
SUBALLOTMENT	A	(1)	9
AAA/STATION NUMBER	A	(8)	10 thru 17
TRANSACTION TYPE	A	(2)	18 thru 19
PROPERTY ACCTG ACTY	A	(6)	20 thru 25
COST CODE	A	(12)	26 thru 37
FMS LINE ITEM	A	(3)	38 thru 40
STANDARD DOCUMENT #	A	(17)	41 thru 57
FILLER	A	(23)	58 thru 80
TOTAL		(80)	

* 17 DENOTES NAVY' DEPARTMENT CODE

** ALPHA-NUMERIC (A) FIELDS WILL BE LEFT JUSTIFIED WITH TRAILING BLANKS. NUMERIC (N) FIELDS WILL BE RIGHT JUSTIFIED WITH LEADING ZEROS.

*** DENOTES BEGINNING AND ENDING FISCAL YEARS.
 POSITIONS 5 & 6 IS BEGINNING YEAR
 POSITIONS 7 & 8 IS ENDING YEAR

EX: 1993-1995 APPROPRIATION WOULD BE '9395'
 NO-YEAR APPROPRIATION WOULD BE '0X0X'

MARINE CORPS (17)
850/860 ACCOUNTING CLASSIFICATION LAYOUT

	**A/N	FLD LENGTH	POS
AT02			
DEPARTMENT CODE*	A	(2)	1 thru 2
DEPT CODE (issuing)	A	(2)	3 thru 4
FISCAL YEAR***	A	(4)	5 thru 8
TREASURY ACCOUNT #	A	(4)	9 thru 12
SUBHEAD/LIMIT	A	(4)	13 thru 16
FILLER		(5)	17 thru 21
TOTAL		(21)	
AT07			
ACCOUNTING STATION #	A	(8)	1 thru 8
AT09			
OBJECT CLASS	N	(3)	1 thru 3
BUREAU CONTROL #	A	(5)	4 thru 8
SUBALLOTMENT	A	(1)	9
AAA/STATION NUMBER	A	(8)	10 thru 17
TRANSACTION TYPE	A	(2)	18 thru 19
PROPERTY ACCTG ACTY	A	(6)	20 thru 25
COST CODE	A	(12)	26 thru 37
FMS LINE ITEM	A	(3)	38 thru 40
STANDARD DOCUMENT #	A	(17)	41 thru 57
FILLER	A	(23)	58 thru 80
TOTAL		(80)	

* 17 DENOTES MARINE CORPS' DEPARTMENT CODE

** ALPHA-NUMERIC (A) FIELDS WILL BE LEFT JUSTIFIED WITH TRAILING
 BLANKS. NUMERIC (N) FIELDS WILL BE RIGHT JUSTIFIED WITH LEADING
 ZEROS.

*** DENOTES BEGINNING AND ENDING FISCAL YEARS.
 POSITIONS 5 & 6 IS BEGINNING YEAR
 POSITIONS 7 & 8 IS ENDING YEAR

EX: 1993-1995 APPROPRIATION WOULD BE '9395'
 NO-YEAR APPROPRIATION WOULD BE '0X0X'

ARMY (21)
850/860 ACCOUNTING CLASSIFICATION LAYOUT

	**A/N	FLD LENGTH	POS
AT02			
DEPARTMENT CODE*	A	(2)	1 thru 2
DEPT CODE (issuing)	A	(2)	3 thru 4
FISCAL YEAR***	A	(4)	5 thru 8
TREASURY ACCOUNT #	A	(4)	9 thru 12
SUBHEAD/LIMIT	A	(4)	13 thru 16
FILLER		(5)	17 thru 21
TOTAL		(21)	
AT07			
ACCOUNTING STATION #	A	(8)	1 thru 8
AT09			
PROGRAM YEAR	A	(1)	1
OPERATING AGY CODE	A	(2)	2 thru 6
ALLOTMENT SERIAL NUMBER	A	4	4 thru 7
PROJECT ACCOUNT	A	11	8 thru 18
ELEMENT OF RESOURCE	A	4	19 thru 22
STANDARD DOCUMENT #	A	(14)	23 thru 36
ACCT PROCESSING CODE	A	(6)	37 thru 42
AAA/STATION NUMBER	A	(8)	43 thru 50
FILLER		(30)	51 thru 80
TOTAL		(80)	

* 21 DENOTES ARMY'S DEPARTMENT CODE

** ALPHA-NUMERIC (A) FIELDS WILL BE LEFT JUSTIFIED WITH TRAILING BLANKS. NUMERIC (N) FIELDS WILL BE RIGHT JUSTIFIED WITH LEADING ZEROS.

*** DENOTES BEGINNING AND ENDING FISCAL YEARS.
 POSITIONS 5 & 6 IS BEGINNING YEAR
 POSITIONS 7 & 8 IS ENDING YEAR

EX: 1993-1995 APPROPRIATION WOULD BE '9395'
 NO-YEAR APPROPRIATION WOULD BE '0X0X'

AIR FORCE (57)
850/860 ACCOUNTING CLASSIFICATION LAYOUT

	**A/N	FLD LENGTH	POS
AT02			
DEPARTMENT CODE*	A	(2)	1 thru 2
DEPT CODE (issuing)	A	(2)	3 thru 4
FISCAL YEAR***	A	(4)	5 thru 8
TREASURY ACCOUNT #	A	(4)	9 thru 12
SUBHEAD/LIMIT	A	(4)	13 thru 16
FILLER		(5)	17 thru 21
TOTAL		(21)	
AT07			
ACCOUNTING STATION #	A	(8)	1 thru 8
AT09			
FUND CODE	A	2	1 thru 2
PROGRAM YEAR	A	1	3
OPERATING AGY CODE	N	2	4 thru 5
OPERATING BUD ACCT #	A	2	6 thru 7
BUDGET PROG ACTY CD	A	6	8 thru 13
MATERIAL PROG CODE	A	6	14 thru 19
EE/INVESTMENT CODE	A	(5)	20 thru 24
PROG ELEMENT CODE	A	(6)	25 thru 30
AAA/STATION NUMBER	A	(8)	31 thru 38
CPN RECIPIENT/ORG	A	(8)	39 thru 46
STANDARD DOCUMENT #	A	(17)	47 thru 63
FILLER		(17)	64 thru 80
TOTAL		(80)	

* 97 DENOTES DEFENSE AGENCIES' DEPARTMENT CODE

** ALPHA-NUMERIC (A) FIELDS WILL BE LEFT JUSTIFIED WITH TRAILING BLANKS. NUMERIC (N) FIELDS WILL BE RIGHT JUSTIFIED WITH LEADING ZEROS.

*** DENOTES BEGINNING AND ENDING FISCAL YEARS.
 POSITIONS 5 & 6 IS BEGINNING YEAR
 POSITIONS 7 & 8 IS ENDING YEAR

EX: 1993-1995 APPROPRIATION WOULD BE '9395'
 NO-YEAR APPROPRIATION WOULD BE '0X0X'

DEFENSE AGENCIES (97)
850/860 ACCOUNTING CLASSIFICATION LAYOUT

	**A/N	FLD LENGTH	POS
AT02			
DEPARTMENT CODE*	A	(2)	1 thru 2
DEPT CODE (issuing)	A	(2)	3 thru 4
FISCAL YEAR***	A	(4)	5 thru 8
TREASURY ACCOUNT #	A	(4)	9 thru 12
SUBHEAD/LIMIT	A	(4)	13 thru 16
FILLER		(5)	17 thru 21
TOTAL		(21)	
AT07			
ACCOUNTING STATION #	A	(8)	1 thru 8
AT09			
PROGRAM YEAR		(1)	1
ALLOTMENT SERIAL NUMBER		(5)	2 thru 6
COST CODE		(6)	7 thru 12
OBJECT CLASS		(4)	13 thru 16
STANDARD DOCUMENT #		(17)	17 thru 33
FILLER		(47)	34 thru 80
TOTAL		(80)	

* 97 DENOTES DEFENSE AGENCIES' DEPARTMENT CODE

** ALPHA-NUMERIC (A) FIELDS WILL BE LEFT JUSTIFIED WITH TRAILING BLANKS. NUMERIC (N) FIELDS WILL BE RIGHT JUSTIFIED WITH LEADING ZEROS.

*** DENOTES BEGINNING AND ENDING FISCAL YEARS.
 POSITIONS 5 & 6 IS BEGINNING YEAR
 POSITIONS 7 & 8 IS ENDING YEAR

EX: 1993-1995 APPROPRIATION WOULD BE '9395'
 NO-YEAR APPROPRIATION WOULD BE '0X0X'

Appendix B

Contract Data Requirement List Example

EXAMPLES - CONTRACT DATA REQUIREMENTS LIST (DD FORM 1423)

What follows is Header information that appears in blocks A through F on a DD Form 1423 and is applicable to all of the following ELINS.

<u>ASC X12 EDI FORMAT</u>	<u>DEFINITION</u>
POC*0001AE*AI*1*1*LO*0*NS* EF*A*KB*TDP n/l	Add (Code AI) Subline item number 0001AE, (blk A) quantity 1, Lot (Code LO), item is not to be separately priced (Code NS), (preceding found at line item in contract) exhibit identifier (Code EF) (blk B) and the data category (Code KB). (blk C)
REF*IQ**Transducer, Motional n/l	System/item (Code IQ) which the data supports. (blk D)
REF*IL*N0010493X8265 n/l	Purchase request (Code IL) number. (blk E)
PER*PI*NSPCC 05123.2.3 n/l	CDRL preparer (Code PI). (blk G)
PER*AU*William R. Bunge n/l	CDRL approver (Code AU). (blk I)
DTM*405*930111 n/l	Date of CDRL preparation (Code 405). (blk H)
DTM*275*930111 n/l	Date of CDRL approval (Code 275). (blk J)

This first ELIN example is a basic data item with the vast majority of information carried as discrete data. There is only one submission of the data. The number of various types of copies of the data are the same for all distribution addressees

<u>ASC X12 EDI FORMAT</u>	<u>DEFINITION</u>
POC*AI*A001 n/l	Add (code AI) exhibit line item number A001. (blk 1)
PWK*TO*BM n/l	CDRL deliverable (code TO) is to be sent by Mail (code M). (Not part of the paper CDRL but the way to specify how the data is to be delivered)
REF*82*DI-ADMN-80447*Contractor Summary Report n/l	Data item description (Code 82) number and title (blks 4 and 2)
REF*KL*Sec C3, Para 1.1 n/l	Contract reference (Code KL) number. (blk 5)
REF*EV*NSPCC n/l	Requiring technical office responsible for adequacy of technical data.(Code KY) (blk 6)
REF*9G*SD n/l	DD 250 requirement code (Code 9G). (blk 7)
REF*K0*A n/l	Approval code (Code K0) (blk 8)
REF*KV*A n/l	Distribution statement code (Code KV). (blk 9)
DTM*600*960731 n/l	The "As of date" for submission of the data.
LS*LDT n/l	X12 segment used to identify the start of a loop to avoid collision between the 2/LM/325 loop and the 2/LM/620 loop.
LDT*AY*270*DA n/l	First submission is 270 days after award of contact (Code AY). (blk 12)

QTY*52*2 n/1	Number of regular (Code 52) copies to be delivered to each distribution addressee (blk 14b)
QTY*K6*1 n/1	Number of draft (Code K6) copies to be delivered to each distribution addressee (blk 14b)
QTY*FK*2 n/1	Number of reproducible (Code KF) copies to be delivered to each distribution addressee (blk 14b)
LM*DF n/1	Agency qualifier (Code DF). (X12 rqmt)
LQ*FQ*1TIME n/1	Frequency of submittals (Code FQ). (blk 10)
LE*LDT n/1	X12 segment used to identify the end of a loop to avoid collision between the 2/LM/325 loop and the 2/LM/620 loop.
N1*ST*NICP 02*10*N00104 n/1	Distribution addressee (Code ST). (blk 14a)
N1*ST*NICP 05*10*N00104 n/1	Distribution addressee (Code ST). (blk 14a)
N1*ST*DCMC 506*10*DLA999 n/1	Distribution addressee (Code ST). (blk 14a)

This second ELIN example has the data being delivered monthly with a special text instruction for the "As of Date" and non discrete data regarding the subsequent submissions.

ASC X12 EDI FORMAT

DEFINITION

POC*AI*A002 n/1	Add (code AI) Exhibit line item number A002. (blk 1)
PWK*TO*BM n/1	CDRL deliverable (code TO) is to be sent by Mail (code M). (Not part of the paper CDRL but the way to specify how the data is to be delivered)
REF*82*DI-MGT-80227/T*Contractor's Progress, Status and Management Report (Phase-in Report) n/1	Data item description (Code 82) number, title and subtitle. (blks 4, 2 and 3)
REF*KL*Sec C3, Para 1.3.1 n/1	Contract reference (Code KL) number. (blk 5)
REF*EV*NSPCC n/1	Requiring technical office responsible for adequacy of technical data.(Code KY) (blk 6)
REF*9G*SD n/1	DD 250 requirement code (Code 9G). (blk 7)
REF*K0*A n/1	Approval code (Code K0) (blk 8)
REF*KV*A n/1	Distribution statement code (Code KV). (blk 9)
N9*KD*L9	Special instruction (code KD) number L9
MSG*Data to be submitted as of midnight of the last calendar day of the reporting period n/1	Block 11 information that cannot be passed as discrete data. (blk 16)
LS*LDT n/1	X12 segment used to identify the start of a loop to avoid collision between the 2/LM/325 loop and the 2/LM/620 loop.

LDT*AY*30*DA n/1	First submission is 30 days after award of contact (Code AY). (blk 12)
QTY*52*2 n/1	Number of regular (Code 52) copies to be delivered to each distribution addressee (blk 14b)
QTY*K6*1 n/1	Number of draft (Code K6) copies to be delivered to each distribution addressee (blk 14b)
QTY*FK*2 n/1	Number of reproducible (Code KF) copies to be delivered to each distribution addressee (blk 14b)
LM*DF n/1	Agency qualifier (Code DF).
LQ*FQ*MTHLY n/1	Frequency of submittals (Code FQ). (blk 10)
LDT*AM*10*DA n/1	From date of previous delivery to date of subsequent submissions is 10 days (Code AM). (blk 13) [More information is provided in following MSG segment]
MSG*After the end of each successive reporting date n/1	Provides more information related to subsequent deliveries
LE*LDT n/1	X12 segment used to identify the end of a loop to avoid collision between the 2/LM/325 loop and the 2/LM/620 loop.
N1*ST*NICP 02*10*N00104 n/1	Distribution addressee (Code ST). (blk 14a)
N1*ST*NICP 05*10*N00104 n/1	Distribution addressee (Code ST). (blk 14a)
N1*ST*DCMC 506*10*DLA999 n/1	Distribution addressee (Code ST). (blk 14a)

This third ELIN example has the data being delivered by mail with varying quantities of each type of copy going to each distribution addressee. Because there is a frequency for the deliveries and the quantities differ by distribution addressee, both the 2/LDT/321 loop and the 2/LDT/462 loop are used (see the accompanying CDRL Map document, block 14, for a more detailed explanation). The example also has a title and subtitle that exceeds 80 characters, a lead time based on a specified event, a special instruction carried as text and the technical office identified by office symbol and address.

ASC X12 EDI FORMAT

DEFINITION

POC*AI*A003 n/1	Add (code AI) exhibit line item number A003. (blk 1)
PWK*TO*BM n/1	CDRL deliverable (code TO) is to be sent by Mail (code BM). (Not part of the paper CDRL but the way to specify how the data is to be delivered)
REF*82*DI-NDTI-80809A*Test Inspection Report n/1	Data item description (Code 82) number and title. (blks 4 and 2)

REF*KL*SOW Para 5.2.2 n/1	Contract reference (Code KL) number. (blk 5)
REF*9G*LT n/1	DD 250 requirement code (Code 9G). (blk 7)
REF*K0*NA n/1	Approval code (Code K0). (blk 8)
REF*KV*A n/1	Distribution statement code (Code KV). (blk 9)
MSG*Quality Conformance Inspection and Measurement Tolerance Determination n/1	Subtitle of DID. (MSG segment used because the title and subtitle exceed 80 characters) (blk 3)
LS*LDT n/1	X12 segment used to identify the start of a loop to avoid collision between the 2/LM/325 loop and the 2/LM/620 loop.
LDT*AI*10*DA n/1	First submission is 10 days after a specified event (Code AI). (blk 12)
MSG*After completion of test n/1	The specified event. (blk 12)
LM*DF n/1	Agency qualifier (Code DF).
LQ*FQ*ASREQ n/1	Frequency of submittals (Code FQ). (blk 10)
LE*LDT n/1	X12 segment used to identify the end of a loop to avoid collision between the 2/LM/325 loop and the 2/LM/620 loop.
N9*KD*L10 n/1	Special Instruction (code KD) number L10.
MSG*Submit 1 production lot test report to Government DCMC QAR for approval of each lot.	The special instruction. (blk 15)
N1*KY*DCMDQAR*10*DLA999 n/1	The identification and address of the technical office (code KY), responsible for the adequacy of the technical data is identified by its DoDAAC (code 10) . (blk 6)
LDT*AI*10*DA n/1	First submission is 10 days after a specified event (Code AI). (blk 12)
QTY*52*2 n/1	Number of regular copies (Code 52) to be delivered to the distribution addressee. (blk 14b)
QTY*K6*1 n/1	Number of draft copies (Code K6) to be delivered to the distribution addressee. (blk 14b)
QTY*KF*1 n/1	Number of reproducible copies (Code KF) to be delivered to the distribution addressee. (blk 14b)
MSG*After completion of test n/1	The specified event. (blk 12)
N1*ST*DCMDQAR*10*DLA999 n/1	Distribution addressee (Code ST). (blk 14a)
LDT*AI*10*DA n/1	First submission is 10 days after a specified event (Code AI). (blk 14b)
QTY*52*1 n/1	Number of regular copies (Code 52) to be delivered to the distribution addressee. (blk 14b)
QTY*K6*1 n/1	Number of draft copies (Code K6) to be delivered to the distribution addressee. (blk 14b)

QTY*KF*2 n/1	Number of reproducible copies (Code KF) to be delivered to the distribution addressee. (blk 14b)
MSG*After completion of test n/1	The specified event. (blk 12)
N1*ST*NICP 02*10*N00104 n/1	Distribution addressee (Code ST). (blk 14a)
LDT*AI*10*DA n/1	First submission is 10 days after a specified event (Code AI). (blk 12)
QTY*52*1 n/1	Number of regular copies (Code 52) to be delivered to the distribution addressee. (blk 14b)
MSG*After completion of test n/1	The specified event. (blk 12)

This fourth ELIN example has the data being submitted via EDI; therefore, there is no need to identify numbers of copies. It also has text associated with the approval time for the data.

ASC X12 EDI FORMAT

DEFINITION

POC*AI*A004 n/1	Add (code AI) exhibit line item number A004. (blk 1)
PWK*TO*EL n/1	CDRL deliverable (code TO) is to be sent by EDI (code EL). (Not part of the paper CDRL but the way to specify how the data is to be delivered)
REF*82*OT-92-35172*Quality Control Plan n/1	Data item description (Code 82) number and title. (blks 4 and 2)
REF*KL*PWS, Sec C-1, Para 1.3.1 n/1	Contract reference (Code KL) number. (blk 5)
REF*EV*AFMC/XPS	Requiring technical office responsible for adequacy of technical data.(Code KY). (blk 6)
REF*9G*DD n/1	DD 250 requirement code (Code 9G). (blk 7)
REF*K0*A n/1	Approval code (Code K0). (blk 8)
REF*KV*A n/1	Distribution statement code (Code KV). (blk 9)
LS*LDT n/1	X12 segment used to identify the start of a loop to avoid collision between the 2/LM/325 loop and the 2/LM/620 loop.
LDT*AY*30*DA n/1	First submission is 30 days after award of contact (Code AY). (blk 12)
LDT*AZ*30*DA n/1	From date of receipt of plan to date of approval of plan (code AZ) is 30 days (blk 16)
MSG*Disapproval requires correction/resubmittal within 30 days after receipt of reviewer's comments n/1	Information that cannot be transmitted as discrete data. Since it is associated with another kind of lead time information, it is carried in the MSG segment within the LDT loop. (blk 16)
LM*DF n/1	Agency qualifier (Code DF).
LQ*FQ*R/ASR n/1	Frequency of submittals (Code FQ) is Revision as Required (R/ASR) (blk 10)

LE*LDT n/1	X12 segment used to identify the end of a loop to avoid collision between the 2/LM/325 loop and the 2/LM/620 loop.
N1*ST*NICP 02*10*N00104 n/1	Distribution addressee (Code ST). (blk 14a)
N1*ST*NICP 05*10*N00104 n/1	Distribution addressee (Code ST). (blk 14a)
N1*ST*DCMC 506*10*DLA999 n/1	Distribution addressee (Code ST). (blk 14a)

Appendix C

Mapping of the Contract Data Requirement List (DD Form 1423) to the 850 Implementation Convention

DD Form 1423 (CDRL) Mapping to 850 IC

The following data for a DD Form 1423 is applicable to all of the ELINS on an exhibit; therefore, it need only be transmitted once in the first POC segment that identifies the CLIN as the data CLIN and identifies the applicable exhibit by code EF in PO106.

1423 Blk	850 Map	Example/Explanation/Notes
A	2/POC/010, POC01	This is the CLIN or SUBCLIN that references the data. The CLIN/SUBCLIN description is usually "Data in accordance with Exhibit _"
B	2/POC/010, POC08 code EF and POC09 (exhibit letter)	This is the Exhibit identification letter
C	2/POC/010, POC10 code KB and POC11 (the category of data)	The 2 common categories are TDP (Technical Data Package) and TM (Technical Manual). If the category is other, POC11 would carry a text description of the other category (e.g., Provisioning, Configuration Management)
D	2/REF/100, REF01 code IQ and either REF02 (if there is an identifying number) or REF03 (to provide the text name)	This is system or item for which the data is being acquired.
E	2/REF/100. REF01 code IL and REF02 (the PR number)	According to the CDRL, this is either the contract number or the PR number. The contract number is not needed in the POC loop that transmits the CDRL because it is carried in BCH03 and is applicable to everything transmitted in the 860. If needed, the PR number is carried as shown in the CDRL POC loop.
F	1/N1/300, N101 code SE	The name of the contractor is not needed in the POC loop that transmits the CDRL. The contractor is identified as shown in the Table 1 of the transaction set.
G	2/PER/110, PER01 code PI, and either PER02 (to identify a named party) or PER09 (to provide an office symbol identifier)	This is the party who prepared the data requirement. Although this information is an a paper CDRL, it is questionable if it needs to be transmitted to a contractor.
H	2/DTM/200, DTM01 code 405, DTM02 (actual date)	This is the date the data requirement was prepared. Although this information is an a paper CDRL, it is questionable if it needs to be transmitted to a contractor.
I	2/PER/110, PER01 code AU and PER02 (to identify a named party)	This is the party who approved the data requirement for the award instrument. Although this information is an a paper CDRL, it is questionable if it needs to be transmitted to a contractor.
J	2/DTM/200, DTM01 code 275,	This is the date the data requirement was

	DTM02 (actual date)	approved. Although this information is an a paper CDRL, it is questionable if it needs to be transmitted to a contractor.
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The following DD Form 1423 requirements are applicable to every ELIN on an exhibit.

1423 Blk	850 Map	Example/Explanation/Notes
1	2/PO1/010, POC01 or POC08, code A8 (if there is only one ELIN applicable to an exhibit.	This is the ELIN identifier, e.g., A002 identifies the second ELIN on exhibit A. Each ELIN is a separate POC loop except when there is only one ELIN applicable to an exhibit. Then the ELIN number is carried in POC08 using code A8 and the ELIN information is transmitted in the same POC loop as the CDRL Header data.
2	2/REF/100, REF03	This is the title of the Data Acquisition Item Description (DID) number cited in block 4 of the CDRL. The title is carried in the same REF segment as the DID number. The following is an example of how the DID number and title are carried in an REF segment: REF*82*DI-MGT-80227/T*Contractor's Progress, Status and Management Report n/l
3	2/REF/100, REF03 or 2/MSG/292	This is the subtitle of the Data Acquisition Item Description (DID) number cited in block 4 of the CDRL. The subtitle is carried in the same REF segment as the DID number and follows the title in REF03. The following is an example of how the DID number, title, and subtitle are carried in an REF segment: REF*82*DI-MGT-80227/T*Contractor's Progress, Status and Management Report (Phase-in Report) n/l If the title and subtitle together are longer than 80 characters, the subtitle is carried in the 2/MSG/292 segment
4	2/REF/100, REF01 code 82, REF02 (actual DID number)	This is the Data Item Description (DID) number
5	2/REF/100, REF01 code KL , REF02 (actual reference number)	This is a reference within the contract that generates the requirement for the data item (e.g., a Statement of Work number, a special instruction, a paragraph number, etc.)
6	2/REF/100, REF01 code EV (if only an office symbol number is needed), REF02 (actual office symbol number) or 2/N1/350, N101 code KY,	This is an identification of the technical office that is to ensure the accuracy of the submitted data. Usually this office is identified by an office symbol number. Sometimes it is also identified by an

	N102/03/04	address. If only an office symbol is needed, the REF segment is used. If an address is also need, the N1 segment is used. The following is an example of how both segments transmit the data: REF*EV*ILC/ECM-2 n/l N1*KY*ILC/ECM-2*10*F33600 n/l
7	2/REF/100, REF01 code 9G, REF02 (actual code) or 2/N1/350, N101 code 7M, KZ, or L1.	This is the identification of the Inspection and Acceptance location for the data. It is provided as coded data that is found in DoD 5010.12-M. If code XX (inspection and acceptance requirements specified elsewhere in the contract) is transmitted, then the N1 loop must be used to specify the inspection and acceptance locations using the appropriate N101 code.
8	2/REF/100, REF01 code K0, REF02 (actual code)	This is the code that specifies the requirements for approval of a draft prior to preparation of the final data item. The codes are found in DoD 5010.12-M.
9	2/REF/100, REF01 code KV, REF02 (actual code)	This is the code that identifies the distribution statement the contractor is to place on the data. The codes are found in DoD 5010.12-M. and described in DoD Directive 5230.24
10	2/LQ/337, LQ01 code FX, LQ02 (actual code)	This is the frequency of submission of the data (the number of times it is to be delivered). The frequency should always be preceded by a first submission lead time, e.g., 10 days after phase -in start, therefore, the frequency code is carried in an embedded loop with the 2/LDT/332 loop. The frequency codes are found in DoD 5010.12-M
11	2/DTM/200, DTM01 code 600, DTM02 (actual date) or 2/MSG/340	This is the "As-of date" for the data. If it is a discrete date (e.g., June 30, 1996), use the DTM segment. If it is not a discrete date (e.g., Midnight of the last calendar day of the reporting month) the MSG segment must be used. To use this segment, cite code KD in N901 of the preceding N9 segment and an appropriate number (e.g., L2) in N902
12	2/DTM/200, DTM01 code 601, DTM02 (actual date) or 2/LDT/332(462), LDT01 applicable code and 2/MSG/334 if LDT01 is code AI	This is the date the data is first to be submitted. This date should always be able to be identified as either a discrete date or a lead time. If it can be described as a discrete date (e.g., June 30, 1996), use the DTM segment. If it is described as a lead time from a known point in time (after date of contract) one of the listed codes in LDT01 (other than code AI) should be used. If the lead time is based on a specified event (LDT01 code AI) than the MSG segment

		must also be used to identify the event (e.g., after occurrence of a failure).
13	2/DTM/200, DTM01 code 602, DTM02 (actual date) or 2/LDT/332(462), LDT01 code AM and 2/MSG/334 (468) or 2/MSG/330	This is the date the data is subsequently delivered. This date usually can be identified as either a discrete date or a lead time. If it can be described as a discrete date (e.g., June 30, 1996), use the DTM segment. If the subsequent submission is described as a lead time and is based on the first submission, LDT01 code AM should be used. If the subsequent submission cannot be described as a discrete date or lead time, use the 2/MSG/330 segment. To use this segment, cite code KD in N901 of the preceding N9 segment and an appropriate number (e.g., L2) in N902
14	2/N1/340, N101 code ST and 2/QTY/333 or 2/QTY/453, QTY01 codes 52, K6, and KF as appropriate	<p>This is the distribution addressee (ship-to) and the number of each type of copy they are to receive (draft, regular, or reproducible). If each distribution addressee is to receive the same number of each type of copy, the 2/QTY/333 segment in the 2/LDT/332 loop is used. If each addressee is to receive a different number of each type of copy, then the 2/QTY/453 segment in the 2/LDT/451 loop is used and the lead times for data submissions will have to be repeated. Further, since there is no LM/LQ loop in the 2/LDT/441 loop, the 2/LDT/332 loop will also have to be used to transmit the frequency of submission and at least the first submission will have to be transmitted again.</p> <p>The number of copies should only be applicable if the data is to be delivered in hard copy (by mail or by courier). If the data is to be delivered electronically, this requirement goes away. The 2/PWK/070 is used to identify how the data is to be delivered.</p>
15	Not applicable	This is the total number of each type of copy. Although this requirement appears on the paper CDRL, there is no need to transmit it in the 850.
16	2/N9/320 loop, N901 code KD and 2/MSG/330 (actual instruction)	Any information that cannot be carried as discrete data must be transmitted in the 2/MSG/330 segment. To use this segment, cite code KD in the preceding N9 segment and any number in N902. Most times, information that is in this block of the paper CDRL can be carried elsewhere in the transaction set as discrete data. To use this segment, cite code KD in N901 of the preceding N9 segment

		and an appropriate number (e.g., L2) in N902
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