



Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003050 Transaction Set 251
Pricing Support

Implementation Convention

NIST

U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of
Standards and Technology

QC

100

.U57

NO. 881-26

1997

Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003050 Transaction Set 251 Pricing Support

Implementation Convention

Electronic Commerce Acquisition Program Management Office
Standard Management Committee - Secretariat
National Institute of Standards and Technology
Gaithersburg, MD 20899-0001

Editor: Dr. Jean-Philippe Favreau

September 1997



U.S. DEPARTMENT OF COMMERCE
William M. Daley, Secretary

Technology Administration
Gary R. Bachula, Under Secretary for Technology

National Institute of Standards and Technology
Robert E. Hebner, Acting Director

Reports on Information Technology

The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

National Institute of Standards and Technology Special Publication 881-26
Natl. Inst. Stand. Technol. Spec. Publ. 881-26, 55 pages (Sept. 1997)
CODEN: NSPUE2

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1997

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402

251 Pricing Support

Functional Group ID=CP

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Pricing Support Transaction Set (251) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to request or transmit budget or actual data for labor and overhead rates, factors, and other supporting data for a specified period of time. This bi-directional transaction set can stand alone, or can be used to support the Contract Pricing Proposal (805) Transaction Set.

Notes:

1. This transaction set is used by a contractor to provide "supporting cost or pricing data" or "information other than cost or pricing data" to a contracting officer.
2. All numbers cited in this transaction set shall be transmitted as a continuous number without extraneous characters except where such characters are a part of the number.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BGN	Beginning Segment	M	1		
Must Use	030	SPI	Specification Identifier	M	1		n1
	040	REF	Reference Numbers	O	>1		
	050	DTM	Date/Time Reference	O	>1		
	060	CUR	Currency	O	>1		
Must Use	070	MSG	Message Text	O	>1		
LOOP ID - N1						>1	
	080	N1	Name	O	1		n2
	090	N2	Additional Name Information	O	2		
	100	N3	Address Information	O	2		
	110	N4	Geographic Location	O	1		
N/U	120	REF	Reference Numbers	O	>1		
	130	G61	Contact	O	5		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - PPL						>1	
	010	PPL	Price Support Data	O	1		n3
Must Use	020	REF	Reference Numbers	O	>1		
LOOP ID - PD						>1	
	030	PD	Pricing Data	O	1		
	040	PDD	Pricing Data Detail	O	>1		
LOOP ID - PL						>1	
	050	PL	Proposal Cost Logic	O	1		
	060	REF	Reference Numbers	O	>1		
N/U	070	AMT	Monetary Amount	O	1		

251 - Pricing Support

N/U	080	PCT	Percent Amounts	O	1	
N/U	090	QTY	Quantity	O	1	
	100	NTE	Note/Special Instruction	O	>1	
LOOP ID - PD					>1	
	110	PD	Pricing Data	O	1	
	120	SPI	Specification Identifier	O	1	
	130	REF	Reference Numbers	O	>1	
	140	PDD	Pricing Data Detail	O	>1	
	150	MSG	Message Text	O	>1	
	160	DTM	Date/Time Reference	O	10	
LOOP ID - PO1					>1	
	170	PO1	Baseline Item Data	O	1	n4
	180	PID	Product/Item Description	O	1	
	190	QTY	Quantity	O	>1	
	200	AMT	Monetary Amount	O	>1	
	210	PCT	Percent Amounts	O	>1	
	220	REF	Reference Numbers	O	>1	
LOOP ID - LX					>1	
	230	LX	Assigned Number	O	1	n5
Must Use	240	QTY	Quantity	M	1	
	250	AMT	Monetary Amount	O	2	
	260	NTE	Note/Special Instruction	O	5	
	270	REF	Reference Numbers	O	1	
	280	DTM	Date/Time Reference	O	1	
LOOP ID - NI					1	
	290	N1	Name	O	1	
	300	N2	Additional Name Information	O	2	
	310	N3	Address Information	O	2	
	320	N4	Geographic Location	O	1	
Must Use	330	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. The SPI segment identifies the security classification or contractor level of protection for the pricing support, the contract or proposal number against which the pricing support applies, and whether the pricing support is certified.
2. When the N1 loop is used, it will carry the name and address of the party to be contacted if clarification about the proposal or requests for additional information concerning the proposal is required.
3. The PPL loop identifies the proposal schedules (e.g., G&A expenses, overhead expenses) included in the transaction. PPL01 carries a code that identifies the schedule type, and PPL04 carries a free form description or name of the schedule.
4. The PO1 loop provides bill of material and purchase history information.
5. The LX loop provides purchase history information.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 251 X12.288 Pricing Support	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>A unique number assigned by the originator of the transaction set or by the originator's application program. This number is the same one carried in SE02.</i>	M AN 4/9

Segment: **BGN** Beginning Segment
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Syntax Notes: 1 If BGN05 is present, then BGN04 is required.
Semantic Notes: 1 BGN02 is the transaction set reference number.
 2 BGN03 is the transaction set date.
 3 BGN04 is the transaction set time.
 4 BGN05 is the transaction set time qualifier.
 5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.
Comments:

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
Must Use	BGN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	M ID 2/2
			00 Original <i>Use to indicate an original transmission of a Pricing Support transaction set.</i>	
			01 Cancellation <i>1. Use to indicate a withdrawal of a previously transmitted Pricing Support transaction set.</i> <i>2. Do not use to cancel a 251 transaction set that is being revised and submitted using code 15.</i>	
			07 Duplicate <i>Use to indicate a re-transmission of a previously transmitted Pricing Support transaction set.</i>	
			15 Re-Submission <i>Use to indicate a revision of a previously transmitted Pricing Support transaction set. This revision constitutes a complete overwrite of the previous transmission.</i>	
Must Use	BGN02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. <i>A unique number assigned by the originator of the transaction set for identification purposes in other transaction sets.</i>	M AN 1/30
Must Use	BGN03	373	Date Date (YYMMDD) <i>Use to identify the origination date of this transaction set.</i>	M DT 6/6
	BGN04	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) <i>Use to identify the origination time of this transaction set.</i>	X TM 4/8

Segment: **SPI** Specification Identifier
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To provide a description of the included specification or technical data items
Syntax Notes: 1 If either SPI02 or SPI03 is present, then the other is required.
Semantic Notes:
Comments:
Notes: *Use to provide the government security classification and/or the proposing party assigned commercial protection level applicable to the submitted data. This is the highest security classification or commercial protection level assigned to the data. Use the 2/SPI/120 segment to identify the government security classification and/or commercial protection level of individual data items.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use SPI01	786	Security Level Code Code indicating the level of confidentiality assigned by the sender to the information following <i>Use to identify the highest overall government security classification applicable to the data in this transaction set. If the data also has a commercial protection requirement, identify that requirement in SPI09.</i> 90 Government Non-Classified 92 Government Confidential 93 Government Secret 94 Government Top Secret	M ID 2/2
SPI02	128	Reference Number Qualifier Code qualifying the Reference Number. <i>Use to identify a reference number to which the data provided in this transaction set applies.</i> 39 Proposal Number <i>Use to indicate the number assigned to the cost or price proposal (TS 805, if submitted) to which the data in this transaction set applies.</i> PR Price Quote Number <i>Use to indicate the number assigned to the proposal (TS 843, if submitted) to which the data in this transaction set applies.</i>	X ID 2/2
SPI03	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
SPI09	786	Security Level Code Code indicating the level of confidentiality assigned by the sender to the information following <i>Use to identify the highest commercial protection level assigned to the data by the submitter.</i> 05 Personal <i>Use to indicate the information provided within this cost or price proposal is subject to the Privacy Act.</i> 06 Supplier Proprietary <i>Use to indicate the originator's cost or pricing data shall be protected in accordance with FAR 3.104-5(a).</i> 11 Competition Sensitive	O ID 2/2
SPI13	1322	Certification Type Code	O ID 1/1

Code indicating the type of certification

Use to identify the certification applicable to ALL of the data in this transaction set. If the certification differs for the data within this transaction set, use the 2/SPI/120 segment to identify the certification applicable to each data item.

B

Certification of Overhead

Use to indicate a certification of final overhead rates in accordance with DFARS 252.242-7001.

Segment: **REF** Reference Numbers
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:
Notes: Use to identify reference numbers applicable to the data provided in this transaction set.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
		C4 Change Number <i>Use to indicate an award instrument modification number. When used, another REF segment with REF01 citing code CT must be transmitted.</i>	
		CT Contract Number <i>Use to indicate an award instrument, e.g., contract, delivery order, etc.</i>	
		DO Delivery Order Number <i>Use to indicate a call, release or delivery order. When used, another REF segment with REF01 citing code CT must be transmitted.</i>	
		KS Solicitation <i>Use to indicate a solicitation number. If applicable, concatenate the last amendment number with the solicitation number.</i>	
		PR Price Quote Number <i>Use to indicate the number assigned to a quote or proposal submitted in an 843 transaction set.</i>	
		TN Transaction Reference Number <i>Use to indicate the unique reference number of a related transaction set (e.g. an 805 transaction set carrying pricing support data). Each transaction set has a unique number. In the case of the 805 transaction set, that number is carried in SPI03 when SPI02 contains the qualifier code 39. When used, cite the transaction set number, e.g., 805, in the first 3 positions of REF03.</i>	
		WF Locally Assigned Control Number <i>Use to indicate the working modification number assigned to a draft 860 transaction set.</i>	
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content <i>When REF01 is code TN, use to identify the transaction set number.</i>	X AN 1/80

Segment: **DTM** Date/Time Reference
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM06 is required.
- 2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:
Comments:
Notes: *Use to provide the origination date applicable to previously submitted 840 and 843 transaction sets, and the date and time of a previously submitted 805 transaction set.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
Must Use DTM01	374	Date/Time Qualifier	M	ID	3/3
		Code specifying type of date or time, or both date and time			
		098 Bid (Effective)			
		<i>Use to indicate the origination date of the proposal (843 transaction set) to which the data in this transaction set applies.</i>			
		703 Original Transaction			
		<i>Use to indicate the origination date and time of the 805 transaction set to which the data in this transaction set applies.</i>			
		993 Request for Quotation			
		<i>Use to indicate the origination date of the solicitation (840 transaction set) to which the data in this transaction set applies.</i>			
DTM02	373	Date	X	DT	6/6
		Date (YYMMDD)			
DTM03	337	Time	X	TM	4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
		<i>Use is REQUIRED when DTM01 is code 703.</i>			
DTM05	624	Century	O	N0	2/2
		The first two characters in the designation of the year (CCYY)			

Segment:	CUR Currency
Position:	060
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:	<ol style="list-style-type: none"> 1 If CUR08 is present, then CUR07 is required. 2 If CUR09 is present, then CUR07 is required. 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required. 4 If CUR11 is present, then CUR10 is required. 5 If CUR12 is present, then CUR10 is required. 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required. 7 If CUR14 is present, then CUR13 is required. 8 If CUR15 is present, then CUR13 is required. 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required. 10 If CUR17 is present, then CUR16 is required. 11 If CUR18 is present, then CUR16 is required. 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required. 13 If CUR20 is present, then CUR19 is required. 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

Notes: 1. *Use if applicable, to identify a currency, other than US dollars, that applies to the monetary values in this transaction set.*

2. *Use also to identify the exchange rate for US dollars applicable to the cited foreign currency.*

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	CUR01	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual SE Selling Party	M ID 2/2
Must Use	CUR02	100 Currency Code Code (Standard ISO) for country in whose currency the charges are specified <i>Use to identify the currency applicable to the monetary values in this transaction set if other than US dollars.</i>	M ID 3/3
Must Use	CUR03	280 Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another <i>Use to identify the exchange rate of the foreign currency to US dollars.</i>	O R 4/6

Segment: **MSG** Message Text

Position: 070

Loop:

Level: Heading

Usage: Optional (Must Use)

Max Use: >1

Purpose: To provide a free form format that would allow the transmission of text information.

Syntax Notes:

Semantic Notes:

Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

Notes:

1. *Use of this segment is REQUIRED.*
2. *Use to provide the purpose of the data submitted in this transaction set or the reason for cancellation of previously submitted data.*
3. *Do not replicate information provided as codified data elsewhere in this transaction set.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264

Segment:	N1 Name
Position:	080
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. 2 N105 and N106 further define the type of entity in N101.
Notes:	<ol style="list-style-type: none"> 1. <i>Whenever possible, identification and address information should be provided using N101, N103, and N104. Use N102 and segments N2 through N4, as applicable, when the address cannot be provided using one of the codes listed in N103.</i> 2. <i>When BGN01 is code 00, 07, or 15, and the data is submitted by a prime contractor, there must be multiple iterations of the N1 loop with N101 citing, at a minimum, codes SE, C4, and KF. Codes 28 and 61 must also be used if applicable.</i> 3. <i>When BGN01 is code 00, 07, or 15, and the cost or price proposal is submitted by a subcontractor, there must be multiple iterations of the N1 loop with N101 citing, at a minimum, codes 28, C4, KF and SE. Code 61 must also be used if applicable.</i> 4. <i>When BGN01 is code 01, there must be 2 iteration of the N1 loop citing either code SE or 28 in N101 in one iteration and code BY or C4 in a second iteration.</i>

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	N101	98 Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		28 Subcontractor	
		61 Performed At	
		<i>Use to indicate the place of performance when other than the proposer's address or if work will be performed at the proposer's address and at another location.</i>	
		BY Buying Party (Purchaser)	
		<i>Use to indicate the procuring contracting office.</i>	
		C4 Contract Administration Office	
		<i>Use to indicate the cognizant Contract Administration Office of the proposing party.</i>	
		KF Audit Office	
		<i>Use to indicate the cognizant audit office of the proposing party.</i>	
		SE Selling Party	
		<i>Use to indicate the prime contractor.</i>	
N102	93	Name	X AN 1/35
		Free-form name	
		<i>Use only if the party cited in N101 cannot be identified by a code in N103/04.</i>	

66	Identification Code Qualifier	X ID 1/2
Code designating the system/method of code structure used for Identification Code (67)		
<i>While the federal EDI program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases.</i>		
1	D-U-N-S Number, Dun & Bradstreet <i>Use of the DUNS and DUNS +4 number is preferred over other codes to identify an entity.</i>	
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix <i>Use of the DUNS and DUNS +4 number is preferred over other codes to identify an entity.</i>	
10	Department of Defense Activity Address Code (DODAAC) <i>Use to indicate a Department of Defense or Civilian Agency Activity Address Code.</i>	
33	Commercial and Government Entity (CAGE)	
67	Identification Code	X AN 2/20
Code identifying a party or other code		
98	Entity Identifier Code	O ID 2/2
Code identifying an organizational entity, a physical location, or an individual		
FR	Message From <i>Use when N101 is code 28 or SE to indicate the submitter of the transaction set.</i>	
TO	Message To <i>Use when N101 is code BY or C4 to indicate the recipient of the transaction set.</i>	

N104

N106

Segment: **N2** Additional Name Information
Position: 090
Loop: N1
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: *This segment should only be used when N102 is used and it is necessary to provide additional name information.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N201	93	Name Free-form name	M AN 1/35
	N202	93	Name Free-form name	O AN 1/35

Segment: **N3** Address Information
Position: 100
Loop: N1
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: *This segment should only be used when N102 is used.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

Segment: **N4** Geographic Location

Position: 110

Loop: N1

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

Syntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the USA or Canada.

Notes: *This segment should only be used when N102 is used.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/11
N404	26	Country Code Code identifying the country	O ID 2/3

Segment: **G61** Contact

Position: 130

Loop: N1

Level: Heading

Usage: Optional

Max Use: 5

Purpose: To identify a person or office to whom communications should be directed

Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.

Semantic Notes:

Comments: 1 G6103 qualifies G6104.

Notes:

1. When N101 is code 28 or SE, use of this segment is **REQUIRED** to provide information about the offeror's point of contact.

2. At a minimum, there must be one G61 segment with code TE or IT in G6103. There may be another G61 segment with identical information in G6101, and 02, but citing a different communication number qualifier in G6103.

Data Element Summary

Ref.	Data			
Des.	Element	Name	Attributes	
Must Use	G6101	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
		AS	Authorized Signature	
		CE	Certifier	
			1. Use to indicate the certifying official.	
			2. Use of this code is required when N106 is code FR.	
		IC	Information Contact	
			Use to indicate the proposer's point of contact.	
Must Use	G6102	93	Name	M AN 1/35
			Free-form name	
			Use to identify the name of a point of contact. Last name, followed by first name, is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended.	
	G6103	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
		EM	Electronic Mail	
			Use to indicate an E-Mail address.	
		FX	Facsimile	
		IT	International Telephone	
		TE	Telephone	
	G6104	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
			When G6103 is code FX, IT, or TE, include the area code or country code, as applicable, and cite the number as a continuous number without extraneous characters.	
	G6105	443	Contact Inquiry Reference	O AN 1/20
			Additional reference number or description to clarify a contact number	
			1. Use to provide the title of the point of contact or certifying official.	
			2. Use of the data element is REQUIRED when G6101 is code AS or CE.	

Segment: **PPL** Price Support Data
Position: 010
Loop: PPL
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide information about pricing support
Syntax Notes:
Semantic Notes: 1 PPL02 is the start date.
 2 PPL03 is the end date.
Comments:
Notes: 1. Use to identify the type of data being provided.
 2. Use of this segment is *REQUIRED* when BGN01 is code 00, 07, or 15.
 3. Each PPL loop must relate to a single cost element provided in the 805 transaction set or a single proposed cost element if an 805 transaction set has not been submitted.

Data Element Summary

Ref.	Data			
Des.	Element	Name	Attributes	
Must Use	PPL01	1309 Acquisition Data Code	O	ID 2/2
		Code identifying acquisition data		
		K1 Subcontract Costs		
		K2 Inter-Division Transfer		
		K3 Profit/Fee		
		K4 Labor History		
		K5 Bill of Materials and Purchase History		
		K6 Other Unlisted Proposal Type		
		<i>When used, identify the unlisted proposal type in PPL04.</i>		
		KH General and Administrative Expenses (G&A)		
		KI Overhead Expenses		
		KJ Intermediate Expense Pool Allocation		
		KK Bases Used to Allocate Indirect Expense		
		KL Claimed Rates for Each Expense Pool		
		KM Facilities Capital Cost of Money Factors Computation		
		KN Reconciliation of Books of Account and Claimed Direct Cost-Incurred Costs		
		KO Contract Direct Costs Claimed and Not Claimed, IR&D/B&P Direct Costs Incurred (Overhead, G&A and Cost of Money Applied at Claimed Rates)-Incurred Costs		
		KP Government Participation in Indirect Expense Pools-Incurred Costs		
		KQ Reconciliation of Claimed G&A Pool to G&A Claimed on Contracts-Incurred Costs		
		KR Schedule of Cumulative Direct and Indirect Costs Claimed and Billed-Incurred Costs		
		KS Computation of Allowable IR&D/B&P Costs-Incurred Costs		
		KT Summary of Hours and Amounts on T&M/Labor Hour Contracts-Incurred Costs		
		KU Reconciliation of Total Payroll to Total Labor Distributed-Incurred Costs		
		KV Listing of Decisions/Agreements/Approvals and Description of Accounting/Organization Changes		

KW	Indirect Costs Certification
KX	Direct Labor
KY	Other Direct Costs
KZ	Direct Material

PPL02 **373** **Date** **O** **DT** **6/6**
 Date (YYMMDD)

Use to provide the beginning date of the period covered by this data.

PPL03 **373** **Date** **O** **DT** **6/6**
 Date (YYMMDD)

Use to provide the ending date of the period covered by this data.

PPL04 **352** **Description** **O** **AN** **1/80**

A free-form description to clarify the related data elements and their content

Use to identify, in plain text, a more detailed name for a specific category of expense applicable to the code cited in PPL01.

PPL05 **1401** **Proposal Data Detail Identifier Code** **O** **ID** **1/3**

Code identifying the basis of a cited value in a proposal

Use of this data element is REQUIRED to identify the basis of the values in the following 2/PD/030 or 2/PD/110 loop (hours, rates, or dollars) when the basis is the same for all values. If the basis for the values is mixed (code AP), identify the basis in PD10 of the 2/PD/030 or 2/PD/110 loop.

AM Actual

AN Estimated

Includes rates proposed.

AO Negotiated

AP Mixed

Segment: **REF** Reference Numbers
Position: 020
Loop: PPL
Level: Detail
Usage: Optional (Must Use)
Max Use: >1
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

- Notes:**
1. Use to specify an association for the data identified in the PPL segment.
 2. At least one (1) REF segment carrying an appropriate number is **REQUIRED** for each iteration of the PPL loop.
 3. When the data provided in this loop is to be portrayed in columns, use this segment to identify the column numbers and titles.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
			13 Horizontal Coordinate <i>Use to indicate a column number. Provide the column title in REF03.</i>	
			73 Statement of Work (SOW)	
			74 Work Breakdown Structure (WBS)	
			75 Organization Breakdown Structure	
			79 Cost Account	
			83 Extended (or Exhibit) Line Item Number (ELIN)	
			91 Cost Element	
			C7 Contract Line Item Number	
			K7 Paragraph Number <i>Use to indicate a SOW paragraph number.</i>	
			L6 Subcontract Line Item Number	
			P4 Project Code	
	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content <i>When REF01 is code 13, use is REQUIRED to provide a column title.</i>	X AN 1/80

Segment:	PD Pricing Data
Position:	030
Loop:	PD
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe the pricing basic input detail
Syntax Notes:	
Semantic Notes:	<ol style="list-style-type: none"> 1 PD01 is the unit of the time period contained in PD02. 2 PD02 is the date of the start of the time period in PD01. 3 PD04 is the quantity of the unit of measurement in PD03. 4 PD05 is the name of the cost element being proposed. 5 PD06 is the description of the name of the cost element being proposed. 6 PD08 is a reference to a specific paragraph number contained in an external document. 7 PD09 is the category of the data being proposed.
Comments:	
Notes:	<ol style="list-style-type: none"> 1. Use this segment to provide data that is not related to a formula, e.g., historical labor hours. 2. For each PPL loop, either this loop or the 2/PD/110 loop may be used, but not both.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PD01	344	Unit of Time Period or Interval Code indicating the time period or interval <i>Use to identify the period of time represented by one value carried in a following PDD02, PDD03, or PDD04 data element.</i> CY Calendar Year DY Day FY Fiscal Year MO Month QY Quarter of a Year WK Weeks	M ID 2/2
Must Use	PD02	373	Date Date (YYMMDD) <i>Use to identify the beginning date of the time period specified in PD01.</i>	M DT 6/6
Must Use	PD03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	M
Must Use	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Any code can be used. The following is a preferred list of codes.</i> A8 Dollars per Hour DO Dollars HR Hours IE Person <i>Use to indicate a human resource, i.e., people assigned to a task.</i> P1 Percent UN Units Refer to 003050 Data Element Dictionary for acceptable code values.	M ID 2/2
Must Use	PD04	380	Quantity Numeric value of quantity	M R 1/15

Use to identify the quantity of the period of time specified in PD01. For example: If the proposing party wanted to provide two calendar years worth of dollar data, then PD01 would carry code "CY" for calendar year, PD03 would carry code "DO" for dollars, and PD04 would carry the number "2" indicating the number of calendar years.

Must Use PD05 93 Name M AN 1/35
Free-form name

Use to provide the short-hand name as specified in PL03.

PD06 352 Description O AN 1/80

A free-form description to clarify the related data elements and their content

Use, if necessary, to provide a full text description of the short-hand name carried in PD05.

PD07 1196 Breakdown Structure Detail Code O ID 2/2

Codes identifying details relating to a reporting breakdown structure tree

This data element will typically be used when PD03 is code DO or HR.

26 Recurring

Use to indicate that the values cited in the following PDD segment are recurring.

27 Nonrecurring

Use to indicate that the values cited in the following PDD segment are nonrecurring.

ZZ Mutually Defined

Use to indicate that the values cited in the following PDD segment are both recurring and nonrecurring.

Must Use PD08 127 Reference Number O AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Use is **REQUIRED** to provide a number that will uniquely identify each PD segment. Start with the number one (1) and increase progressively with each PD segment. The purpose of this number is to differentiate between cost elements identified in PD05, specifically when the same cost element is specified for different purposes.

PD09 352 Description O AN 1/80

A free-form description to clarify the related data elements and their content

Use to identify whether or not Cost of Money (COM) applies to the cost element provided in this loop. Cite the letter N if the element is not a COM factor; cite the letter Y if the element is a COM factor. Also, provide a free form text description of the data being provided, e.g., labor rates, overhead rates, direct input, etc.

PD10 1401 Proposal Data Detail Identifier Code O ID 1/3

Code identifying the basis of a cited value in a proposal

When PPL05 is code AP, use is **REQUIRED** if the basis of the values in the following PDD segments is the same for all values. If the basis for the values is mixed (code AP), identify the basis in PDD05.

AM Actual

AN Estimated

AO Negotiated

Includes rates established by Forward Pricing Rate Agreements.

AP Mixed

Segment: **PDD** Pricing Data Detail

Position: 040

Loop: PD

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To provide the rates, direct input, and pricing factors for each element of work, cross-referenced to an applicable request or submission

Syntax Notes: 1 At least one of PDD02 PDD03 or PDD04 is required.

Semantic Notes: 1 PDD01 is a sequential number assigned by the initiator.

Comments:

Notes:

1. This segment is *REQUIRED* when BGN01 is code 00, 07, or 15.
2. *ONLY ONE* of PDD02, PDD03, or PDD04 is permitted in each repetition of the PDD segment.
3. The number of repetitions of the PDD segment within each PD loop must be equal to the number carried in PD04 for each iteration of the PD loop.

Data Element Summary

Ref.	Data								
Must Use	Des.	Element	Name					Attributes	
	PDD01	350	Assigned Identification					M AN 1/11	
			Alphanumeric characters assigned for differentiation within a transaction set						
			<i>A unique sequence number (starting with the number 1 and going progressively higher as applicable) assigned by the originator of the transaction set.</i>						
	PDD02	380	Quantity					X R 1/15	
			Numeric value of quantity						
			<i>Use to identify the quantity of the data provided in the PD segment.</i>						
	PDD03	782	Monetary Amount					X R 1/15	
			Monetary amount						
			<i>Use to identify the monetary amount of the data provided in the PD segment.</i>						
	PDD04	954	Percent					X R 1/10	
			Percentage expressed as a decimal						
			<i>Use to identify the rate (provided the rate is expressed as a percent) of the data provided in the PD segment.</i>						
	PDD05	1401	Proposal Data Detail Identifier Code					O ID 1/3	
			Code identifying the basis of a cited value in a proposal						
			<i>When PD10 in the 2/PD/030 segment is code AP, use is REQUIRED to identify the basis of the values cited in PDD02, PDD03, or PDD04.</i>						
			AM Actual						
			AN Estimated						
			AO Negotiated						

Segment:	PL Proposal Cost Logic
Position:	050
Loop:	PL
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe the cost logic used when pricing a particular aspect of a proposal
Syntax Notes:	
Semantic Notes:	<ol style="list-style-type: none"> 1 PL01 is the logic sequence number. 2 PL03 is the name of the cost element being proposed. 3 PL05 is a text description of the cost element contained in PL03. 4 PL06 is an occurrence counter that indicates the order of items to appear in a cost summary data display.

Comments:

Notes: 1. The PL segment should be used in a bottoms-up approach, e.g., if total direct labor dollars is composed of engineering labor dollars plus manufacturing labor dollars, then the calculation formula for these must be presented in the transaction set before the calculation for total direct labor dollars.

EXAMPLE:

```

PL*1*DO*DEL*E*DIRECT ENGINEERING LABOR *2002 n/l
PL*2*HR*DELH*M*DIRECT ENGINEERING LABOR HOURS n/l
PL*3*A8*ELR*F*ENGINEERING LABOR RATE n/l
PL*4*DO*DML*E*DIRECT MANUFACTURING LABOR*3002 n/l
PL*5*HR*DMLH*M*DIRECT MANUFACTURING LABOR HOURS n/l
PL*6*A8*MLR*F*MANUFACTURING LABOR RATE n/l
PL*7*DO*TDL*E*TOTAL DIRECT LABOR *1002 n/l
PL*8*DO*TDEL*A n/l
PL*9*DO*TDML*F n/l

```

2. If the proposed labor rates are at a lower level, e.g., by engineering labor category or by department, then the PL segments must start at a lower level to conform to the bottoms-up convention.

3. Each formula provided in this segment shall be completed before another formula is started. THERE SHALL BE NO FORMULA WITHIN ANOTHER FORMULA.

4. When a value provided in the 2/PDD/140 segment can be calculated, a formula MUST BE PROVIDED for that calculation. This formula is REQUIRED even when the actual data involves the addition/subtraction of a "zero" value or multiplication/division by 1.

5. If the formula provided in this segment is for a total, the PD/PDD segments shall be used to provide the total.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	PL01	554 Assigned Number	M N0 1/6
		Number assigned for differentiation within a transaction set	
		A progressive number starting with the number 1 to provide a logic sequence for each iteration of the PL loop, (e.g., 1,2,3, etc.).	
Must Use	PL02	C001 Composite Unit of Measure	M
		To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355 Unit or Basis for Measurement Code	M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in	

which a measurement has been taken
Use any code.

ZZ Mutually Defined

Use to indicate other non-hour units.

Refer to 003050 Data Element Dictionary for acceptable code values.

Must Use	PL03	93	Name	M	AN	1/35
			Free-form name			

1. The short-hand name given to the value that appears in a cost or price proposal.

2. The source of the data (e.g., DLH or the number 24680 might be the short-hand name for direct labor hours). These unique short-hand names are assigned by the originator of the transaction set and should have a basis in the originator's accounting system.

Must Use	PL04	1311	Calculation Operation Code	M	ID	1/1
			Code identifying what type of calculation will take place			

A	Add
D	Divide
E	Equals
F	End of Formula
M	Multiply
R	Raise to a Power
S	Subtract

PL05	352	Description	O	AN	1/80
-------------	------------	--------------------	----------	-----------	-------------

A free-form description to clarify the related data elements and their content
The long-hand description for the short-hand name carried in PL03, (e.g., if the proposing party carries DLH in PL03, the PL05 will carry Direct Labor Hours in free form text. This now identifies that DLH equals Direct Labor Hours in the proposing party's accounting system. The description is only required when the NAME data element (PL03) is first used within the flow of segments within the transaction set. After that, the value may be referred to by its short-hand name.

PL06	609	Count	O	N0	1/9
-------------	------------	--------------	----------	-----------	------------

Occurrence counter

1. When the provided data is to be portrayed in rows and columns, use this segment to identify both the row and column in which it is to be portrayed. The row and column shall be provided in the following format: RRRRRRCCC. The number cited in this data element shall be a minimum of 4 numerics, e.g., 1002 identifies the first row in the second column; 52010 identifies the 52nd row in the tenth column; 125013 identifies the 125th row in the thirteenth column, etc.

2. It is to be understood that rows 2 and beyond of column 1 contain the name of the cost element identified in PL03.

Segment: **REF** Reference Numbers

Position: 060

Loop: PL

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying numbers.

Syntax Notes: 1 At least one of REF02 or REF03 is required.

Semantic Notes:

Comments:

Notes: *Use to identify where data specified in the PL segment can be found.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		M ID 2/2
Must Use REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	
		73 Statement of Work (SOW)	
		74 Work Breakdown Structure (WBS)	
		75 Organization Breakdown Structure	
		79 Cost Account	
		83 Extended (or Exhibit) Line Item Number (ELIN)	
		91 Cost Element	
		C7 Contract Line Item Number	
		K7 Paragraph Number <i>Use to indicate a SOW paragraph number.</i>	
		L6 Subcontract Line Item Number	
		P4 Project Code	
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30

Segment: **NTE** Note/Special Instruction**Position:** 100**Loop:** PL**Level:** Detail**Usage:** Optional**Max Use:** >1**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction**Syntax Notes:****Semantic Notes:****Comments:** 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.**Notes:** *Use this segment to provide additional information applicable to the data being submitted.***Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>		
				<u>M</u>	<u>AN</u>	<u>1/80</u>
Must Use	NTE02	352	Description			
A free-form description to clarify the related data elements and their content						

Segment:	PD Pricing Data
Position:	110
Loop:	PD
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe the pricing basic input detail
Syntax Notes:	
Semantic Notes:	<ol style="list-style-type: none"> 1 PD01 is the unit of the time period contained in PD02. 2 PD02 is the date of the start of the time period in PD01. 3 PD04 is the quantity of the unit of measurement in PD03. 4 PD05 is the name of the cost element being proposed. 5 PD06 is the description of the name of the cost element being proposed. 6 PD08 is a reference to a specific paragraph number contained in an external document. 7 PD09 is the category of the data being proposed.
Comments:	
Notes:	<ol style="list-style-type: none"> 1. Use this loop to provide information at the cost element level that is related to a formula provided in the 2/PL/050 segment. 2. For each PPL loop, either this loop or the 2/PD/030 loop may be used, but not both.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PD01	344	Unit of Time Period or Interval Code indicating the time period or interval <i>Use to identify a period of time represented by one value carried in the following PDD02, PDD03, or PDD04 data element.</i> CY Calendar Year FY Fiscal Year	M ID 2/2
Must Use	PD02	373	Date Date (YYMMDD) <i>Use to identify the commencement date of the time period specified in PD01.</i>	M DT 6/6
Must Use	PD03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	M
Must Use	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Any code can be used. The following is a list of preferred codes.</i> A8 Dollars per Hour DO Dollars HR Hours IE Person <i>Use to indicate a human resource, i.e., people assigned to a task.</i> P1 Percent UN Units Refer to 003050 Data Element Dictionary for acceptable code values.	M ID 2/2
Must Use	PD04	380	Quantity Numeric value of quantity <i>Use to identify the quantity of the period of time specified in PD01. For example: If the proposing party wanted to provide two calendar years worth of dollar data, then PD01 would carry code "CY" for calendar year, PD03 would carry code "DO" for dollars, and PD04 would carry the number "2" indicating</i>	M R 1/15

Must Use	PD05	93	<i>the number of calendar years.</i> Name Free-form name <i>This may be the short-hand name as specified in PL03 or a different short-hand name.</i>	M	AN	1/35
		PD06	352	Description A free-form description to clarify the related data elements and their content <i>Use, if necessary, to provide a full text description of the short-hand name carried in PD05.</i>	O	AN 1/80
		PD07	1196	Breakdown Structure Detail Code Codes identifying details relating to a reporting breakdown structure tree <i>This data element will typically be used when PD03 is code DO or HR.</i>	O	ID 2/2
			26	Recurring <i>Use to indicate that the values cited in the following PDD segment are recurring.</i>		
			27	Nonrecurring <i>Use to indicate that the values cited in the following PDD segment are nonrecurring.</i>		
			ZZ	Mutually Defined <i>Use to indicate that the values cited in the following PDD segment are both recurring and nonrecurring.</i>		
Must Use	PD08	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. <i>Use is REQUIRED to provide a number that will uniquely identify each PD segment. Start with the number one (1) and increase progressively with each PD segment. The purpose of this number is to differentiate between cost elements identified in PD05, specifically when the same cost element is specified for different purposes.</i>	O	AN	1/30
		PD09	352	Description A free-form description to clarify the related data elements and their content <i>Use to identify whether or not Cost of Money (COM) applies to the cost element provided in this loop. Cite the letter N if the element is not a COM factor; cite the letter Y if the element is a COM factor. Also, provide a free form text description of the data being provided, e.g., labor rates, overhead rates, direct input, etc.</i>	O	AN 1/80
		PD10	1401	Proposal Data Detail Identifier Code Code identifying the basis of a cited value in a proposal <i>When PPL05 is code AP, use is REQUIRED if the basis of the values in the following PDD segments is the same for all values. If the basis for the values is mixed (code AP), identify the basis in PDD05.</i>	O	ID 1/3
			AM	Actual		
			AN	Estimated		
			AO	Negotiated <i>Includes rates established by Forward Pricing Rate Agreements.</i>		
			AP	Mixed		

Segment: **SPI** Specification Identifier
Position: 120
Loop: PD
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide a description of the included specification or technical data items
Syntax Notes: 1 If either SPI02 or SPI03 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use SPI01	786	Security Level Code	M ID 2/2
		Code indicating the level of confidentiality assigned by the sender to the information following <i>Use to identify the highest overall government security classification applicable to the cost element. If the data also has a commercial protection requirement, identify that requirement in SPI09.</i>	
		90 Government Non-Classified	
		92 Government Confidential	
		93 Government Secret	
		94 Government Top Secret	
SPI09	786	Security Level Code	O ID 2/2
		Code indicating the level of confidentiality assigned by the sender to the information following <i>Use to identify the highest commercial protection level assigned to the cost element.</i>	
		05 Personal <i>Use to indicate the information provided within this cost or price proposal is subject to the Privacy Act.</i>	
		06 Supplier Proprietary <i>Use to indicate the originator's cost or pricing data shall be protected in accordance with FAR 3.104-5(a).</i>	
		11 Competition Sensitive	

Segment: **REF** Reference Numbers

Position: 130

Loop: PD

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying numbers.

Syntax Notes: 1 At least one of REF02 or REF03 is required.

Semantic Notes:

Comments:

Notes: *Use this segment to provide reference numbers for the data provided in the following PDD segments within this loop.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use REF01	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		73 Statement of Work (SOW)	
		74 Work Breakdown Structure (WBS)	
		75 Organization Breakdown Structure	
		79 Cost Account	
		83 Extended (or Exhibit) Line Item Number (ELIN)	
		91 Cost Element	
		C7 Contract Line Item Number	
		K7 Paragraph Number	
		<i>Use to indicate a SOW paragraph number.</i>	
		L6 Subcontract Line Item Number	
		P4 Project Code	
REF02	127	Reference Number	X AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	

Segment: PDD Pricing Data Detail**Position:** 140**Loop:** PD**Level:** Detail**Usage:** Optional**Max Use:** >1**Purpose:** To provide the rates, direct input, and pricing factors for each element of work, cross-referenced to an applicable request or submission**Syntax Notes:** 1 At least one of PDD02 PDD03 or PDD04 is required.**Semantic Notes:** 1 PDD01 is a sequential number assigned by the initiator.**Comments:****Notes:** 1. *ONLY ONE of PDD02, PDD03, or PDD04 is permitted in each repetition of the PDD segment.*2. *The number of repetitions of the PDD segment within each PD loop must be equal to the number carried in PD04 for each iteration of the PD loop.***Data Element Summary**

Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
Must Use PDD01	350	Assigned Identification	M	AN	1/11
		Alphanumeric characters assigned for differentiation within a transaction set			
		<i>A unique sequence number (starting with the number 1 and going progressively higher as applicable) assigned by the originator of the transaction set.</i>			
PDD02	380	Quantity	X	R	1/15
		Numeric value of quantity			
		<i>The actual quantity of the data provided in the PD segment.</i>			
PDD03	782	Monetary Amount	X	R	1/15
		Monetary amount			
		<i>The actual monetary amount of the data provided in the PD segment.</i>			
PDD04	954	Percent	X	R	1/10
		Percentage expressed as a decimal			
		<i>The actual rate (provided the rate is expressed as a percent) of the data provided in the PD segment.</i>			
PDD05	1401	Proposal Data Detail Identifier Code	O	ID	1/3
		Code identifying the basis of a cited value in a proposal			
		<i>When PD10 in the 2/PD/110 segment is code AP, use is REQUIRED to identify the basis of the values cited in PDD02, PDD03, or PDD04.</i>			
		AM Actual			
		AN Estimated			
		AO Negotiated			

Segment: **MSG** Message Text

Position: 150

Loop: PD

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To provide a free form format that would allow the transmission of text information.

Syntax Notes:

Semantic Notes:

Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

Notes: *Use to provide free form text explanations and clarifications, i.e., formula derivations, basis of estimates, source of escalation factors, citation of accompanying schedule containing back-up data, or any other circumstances that requires a free form note.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	MSG01	933	Free-Form Message Text	M AN 1/264
			Free-form message text	

Segment: DTM Date/Time Reference**Position:** 160**Loop:** PD**Level:** Detail**Usage:** Optional**Max Use:** 10**Purpose:** To specify pertinent dates and times**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:**Comments:****Notes:** *Use this segment to provide dates (if necessary) related to the data being provided in each iteration of the PD loop.***Data Element Summary**

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		193 Period Start	
		194 Period End	
DTM02	373	Date	X DT 6/6
		Date (YYMMDD)	
DTM05	624	Century	O N0 2/2
		The first two characters in the designation of the year (CCYY)	

Segment:	PO1	Baseline Item Data
Position:	170	
Loop:	PO1	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify basic and most frequently used line item data	
Syntax Notes:	1	If PO103 is present, then PO102 is required.
	2	If PO105 is present, then PO104 is required.
	3	If either PO106 or PO107 is present, then the other is required.
	4	If either PO108 or PO109 is present, then the other is required.
	5	If either PO110 or PO111 is present, then the other is required.
	6	If either PO112 or PO113 is present, then the other is required.
	7	If either PO114 or PO115 is present, then the other is required.
	8	If either PO116 or PO117 is present, then the other is required.
	9	If either PO118 or PO119 is present, then the other is required.
	10	If either PO120 or PO121 is present, then the other is required.
	11	If either PO122 or PO123 is present, then the other is required.
	12	If either PO124 or PO125 is present, then the other is required.
Semantic Notes:		
Comments:	1	See the Data Dictionary for a complete list of ID's.
	2	PO101 is the line item identification.
	3	PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.
Notes:	Use this loop to provide Bill of Materials information and corresponding history.	

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
	PO101	350	Assigned Identification	O AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set	
			Use to assign a sequential number, starting with the number 1, to identify each PO1 segment.	
Must Use	PO102	330	Quantity Ordered	X R 1/9
			Quantity ordered	
			Use to indicate the total quantity of material ordered. If no quantity applies, enter a zero.	
Must Use	PO103	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Use any code	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	PO104	212	Unit Price	X R 1/17
			Price per unit of product, service, commodity, etc.	
			Use to provide the proposed unit price to include any adjustments applied.	
			The adjusted unit price is determined by taking the amount cited in the 2/AMT/200 segment when AMT01 is code LI and applying either a discrete adjustment value (AMT01 is code CK) or an escalation or decrement factor identified in the 2/PCT/210 segment.	
Must Use	PO105	639	Basis of Unit Price Code	O ID 2/2
			Code identifying the type of unit price for an item	
			AP Advise Price	
			Use to indicate the unit price is the result of purchases from multiple sources.	

CA	Catalog
CT	Contract
ES	Estimated
FB	Fabrication Cost
KA	Price with Government Furnished Property
KP	Escalated Price
	<i>Use to indicate an upward adjusted unit price.</i>
KR	In Stock
NE	Not to Exceed
NT	Net
	<i>Use to indicate a downward adjusted unit price.</i>
PQ	Posted
	<i>Use to indicate the price is regulated by a Government entity.</i>
QT	Quoted
ST	Standard
	<i>Use to indicate a unit price developed under a standard cost accounting system.</i>

PO106

235

Product/Service ID Qualifier**X ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

1. Any code can be used, but the same codes used in the corresponding 843 transaction set should be used. The listed codes are preferred.

2. When identifying components of an assembly, the assembly must be identified by use of code F8.

3. Any code identified in this data element may be used in any following 235 data element.

AK Refined Product Code

CG Commodity Grouping

Use to indicate a commodity code.

CH Country of Origin Code

CL Color

CN Commodity Name

EF Exhibit Identifier

Use to indicate the letter assigned to an exhibit.

F7 End-Item Description

Use to indicate the end item to which the ordered item applies.

F8 Next Higher Used Assembly

Use to indicate the assembly to which the identified components apply.

FS National Stock Number

The NSN shall be transmitted without dashes.

FT Federal Supply Classification

IN Buyer's Item Number

Use to indicate a locally assigned code for a product or service whenever stock number does not apply.

KF Item Type Number

LT Lot Number

MF Manufacturer

When used, cite the DUNS number of the manufacturer in the following data element.

MG Manufacturer's Part Number

When used, a second 235/234 pair must be used citing either code MF or ZB.

MN Model Number

N1 National Drug Code in 4-4-2 Format

N2 National Drug Code in 5-3-2 Format

N3 National Drug Code in 5-4-1 Format

N4 National Drug Code in 5-4-2- Format

ND National Drug Code (NDC)

PD Part Number Description

Use to indicate a clear text description of an item that cannot be identified by a number, e.g., transportation.

PN Company Part Number

PU Part Reference Number

Use to indicate a part number assigned by an industry (not related to a specific manufacturer). Do not use for National Drug Codes.

RC Returnable Container No.

Use to indicate an NSN, manufacturer's part number, or other identifying number (except a serial number) of a returnable container. The serial number of a returnable container will be carried in the REF segment with code RS.

SN Serial Number

Use to indicate the serial number of the item cited in JIL02. For example, the serial number of an aircraft engine that is to be repaired.

SV Service Rendered

Use to indicate (in text) the service being ordered.

SW Stock Number

Use to indicate a local stock number.

SZ Vendor Alphanumeric Size Code (NRMA)

Use to indicate the size of an item being ordered.

UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)

VP Vendor's (Seller's) Part Number

Use to indicate a part number assigned by a contractor other than a manufacturer.

ZB Commercial and Government Entity (CAGE) Code

Use to indicate a manufacturer who can be identified by a CAGE code. Refer to 003050 Data Element Dictionary for acceptable code values.

PO107	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
PO108	235	Product/Service ID Qualifier	X	ID	2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
PO109	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
PO110	235	Product/Service ID Qualifier	X	ID	2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
PO111	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			

PO112	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2
PO113	234	Product/Service ID Identifying number for a product or service	X	AN	1/40
PO114	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2
PO115	234	Product/Service ID Identifying number for a product or service	X	AN	1/40
PO116	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2
PO117	234	Product/Service ID Identifying number for a product or service	X	AN	1/40
PO118	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2
PO119	234	Product/Service ID Identifying number for a product or service	X	AN	1/40
PO120	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2
PO121	234	Product/Service ID Identifying number for a product or service	X	AN	1/40
PO122	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2
PO123	234	Product/Service ID Identifying number for a product or service	X	AN	1/40
PO124	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2
PO125	234	Product/Service ID Identifying number for a product or service	X	AN	1/40

Segment:	PID Product/Item Description
Position:	I80
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID03 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 Use PID03 to indicate the organization that publishes the code list being referred to. 2 PID04 should be used for industry-specific product description codes. 3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y" indicates that the specified attribute applies to this item. A ``N" indicates it does not apply. Any other value is indeterminate.
Comments:	<ol style="list-style-type: none"> 1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If PID01 = ``X", then both PID04 and PID05 are used. 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment. 3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	<ol style="list-style-type: none"> 1. Use to provide information related to the acquisition method of the Bill of Material item. 2. Use is <i>REQUIRED</i> when PO105 is code CA, CT, or QT.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	PID01	349 Item Description Type	M ID 1/1
		Code indicating the format of a description	
		S Structured (From Industry Code List)	
PID03	559	Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		DF Department of Defense (DoD)	
PID04	751	Product Description Code	X AN 1/12
		A code from an industry code list which provides specific data about a product characteristic	
		<i>Cite one of the following codes to describe how an item was or will be procured:</i>	
		CC <i>Commercial Off-the-Shelf Product, (COTS) Competitively Procured</i>	
		CN <i>Commercial Off-the-Shelf Product, (COTS) Not Competed</i>	
		NS <i>Non COTS Not Competed, Only One Source</i>	
		NC <i>Non COTS Not Competed, Multiple Sources</i>	
		FF <i>Non COTS Product, Full and Open Competition, Price & Other Factors</i>	
		FP <i>Non COTS Product, Full and Open Competition, Price Only</i>	
		RF <i>Non COTS Product, Restricted Competition, Price and Other Factors</i>	
		RP <i>Non COTS Product, Restricted Competition, Price Only</i>	

Segment: **QTY** Quantity
Position: 190
Loop: PO1
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify quantity information
Syntax Notes:
Semantic Notes:
Comments:
Notes: Use to provide additional information regarding the total quantity identified in PO102, i.e., a breakdown of the quantity.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier Code specifying the type of quantity	M ID 2/2
			20 Unusable Quantity Use to indicate the scrap quantity.	
			99 Quantity Used Use to indicate the quantity of the material used in the end item.	
Must Use	QTY02	380	Quantity Numeric value of quantity	M R 1/15
	QTY03	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Use any code. Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **AMT** Monetary Amount

Position: 200

Loop: PO1

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To indicate the total monetary amount

Syntax Notes:

Semantic Notes:

Comments:

Notes: Use to identify amounts (e.g., base unit price, upward/downward adjustment amounts, nonrecurring amounts, etc.) that apply to the unit price or total cost (qty x UP) of the item cited in the same PO1 loop.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		M ID 1/2
Must Use	AMT01	522 Amount Qualifier Code	
		Code to qualify amount	
		CK Adjustments	
		Use to indicate a discrete amount, that is either an upward or downward adjustment, applied to the amount cited in a previous AMT segment when AMT01 is code LI to arrive at the adjusted unit price cited in PO104 of the same PO1 loop. When the amount is a downward adjustment, a minus sign shall precede the amount cited in AMT02.	
		LI Line Item Unit Price	
		1. Use to indicate the base unit price used to determine the adjusted proposed unit price cited in PO104 of the same PO1 loop.	
		2. DO NOT USE THIS CODE if the proposed unit price cited in PO104 is not adjusted,	
		NR Nonrecurring	
		Use to indicate any nonrecurring amounts applicable to the total amount (qty x UP) of the line item cited in the same PO1 loop.	
Must Use	AMT02	782 Monetary Amount	M R 1/15
		Monetary amount	

Segment: **PCT** Percent Amounts
Position: 210
Loop: PO1
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To qualify percent amounts and supply percent amounts
Syntax Notes:
Semantic Notes:
Comments:
Notes:

1. Use to provide the factor, if any, applied to the line item unit price cited in the 2/AMT/200 segment when AMT01 is code LI to arrive at the adjusted unit price cited in PO104.

2. This segment is also used to provide the factor, if any, applied to the nonrecurring amount cited in the 2/AMT/200 segment when AMT01 is code NR, to arrive at the adjusted nonrecurring amount.

Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
Must Use	PCT01	1004	Percent Qualifier	M ID 1/2
			Code to qualify percent	
		DF	Decrement Factor	
			Use to indicate an upward or downward adjustment factor, for other than inflationary/deflationary changes, applied to the unit price cited in AMT02 (when AMT01 is code LI) to arrive at the adjusted unit price cited in PO104 of the same PO1 loop. When the factor is a downward adjustment factor, a minus sign shall precede the percent cited in PCT02.	
		EF	Escalation Factor	
			Use to indicate an upward or downward adjustment factor, based upon inflationary/deflationary changes, applied to the unit price cited in AMT02 (when AMT01 is code LI) to arrive at the adjusted unit price cited in PO104 of the same PO1 loop. When the factor is a downward adjustment factor, a minus sign shall precede the percent cited in PCT02.	
		PR	Per Occurrence Limit	
			Use to indicate an upward or downward adjustment factor applied to the nonrecurring amount cited in AMT02 (when AMT01 is code NR) to arrive at the adjusted nonrecurring amount. When the factor is a downward adjustment factor, a minus sign shall precede the percent cited in PCT02.	
Must Use	PCT02	954	Percent	M R 1/10
			Percentage expressed as a decimal	

Segment: **REF** Reference Numbers
Position: 220
Loop: PO1
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:
Notes: Use to identify the contractor(s) from whom the item cited in the same PO1 loop was or will be procured.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
		VQ Related Contract Line Item Number <i>Use to indicate the line item in either the 805 or 843 transaction set to which the item in the same PO1 loop applies.</i>	
		VR Vendor ID Number <i>Use to identify the contractor by his DUNS or DUNS +4 number. This is the preferred code to use for identification purposes.</i>	
		W7 Commercial and Government Entity (CAGE) Code <i>Use to identify the contractor by his CAGE code.</i>	
		ZZ Mutually Defined <i>Use to indicate a contractor that cannot be identified by a DUNS, DUNS +4 or CAGE code. When used, provide the name of the contractor in REF03.</i>	
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content <i>When REF01 is code ZZ, use to provide the contractor's name.</i>	X AN 1/80

Segment: **LX** Assigned Number
Position: 230
Loop: LX
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes:

1. Use this loop to provide the purchase history for the Bill of Materials item identified in the preceding PO1 loop.
2. Each repetition of this loop represents a separate historical procurement.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use LX01	554	Assigned Number	M N0 1/6
		Number assigned for differentiation within a transaction set	
		A unique sequence number assigned by the originator of the transaction set, starting with the number 1 and going progressively higher, e.g., 1, 2, 3, etc.	

Segment: **QTY** Quantity
Position: 240
Loop: LX
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify quantity information
Syntax Notes:
Semantic Notes:
Comments:
Notes: *Use this segment to identify the previously purchased quantity.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier Code specifying the type of quantity PP Purchase of Product	M ID 2/2
Must Use	QTY02	380	Quantity Numeric value of quantity	M R 1/15
Must Use	QTY03	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Use any code.</i> Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **AMT** Monetary Amount
Position: 250
Loop: LX
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: *Use to identify the previous unit price and the nonrecurring charge for the Bill of Materials item.*

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
Must Use	AMT01	522	Amount Qualifier Code Code to qualify amount	M ID 1/2
			AX Previous Price <i>Use to indicate the unit price applicable to the purchase.</i>	
			NR Nonrecurring <i>Use to indicate any nonrecurring amounts applicable to the total amount (qty x UP) of the line item cited in the same PO1 loop.</i>	
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/15

Segment: **NTE** Note/Special Instruction
Position: 260
Loop: LX
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:**Semantic Notes:**

Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Notes: *Use this segment to provide relevant information regarding the purchase history of the Bill of Materials item.*

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
Must Use NTE02	352	Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **REF** Reference Numbers
Position: 270
Loop: LX
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. P1 Previous Contract Number <i>Use to indicate the award instrument number under which the Bill of Materials item was purchased.</i>	M ID 2/2
	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30

Segment: **DTM** Date/Time Reference
Position: 280
Loop: LX
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 103 Award <i>Use to indicate the date of the award instrument under which the Bill of Materials item was purchased.</i>	M ID 3/3
	DTM02	373	Date Date (YYMMDD)	X DT 6/6
	DTM05	624	Century The first two characters in the designation of the year (CCYY)	O N0 2/2

Segment: **N1** Name

Position: 290

Loop: N1

Level: Detail

Usage: Optional

Max Use: 1

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

Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

Notes:

1. *Whenever possible, identification and address information should be provided using N101, N103, and N104. Use N102 and segments N2 through N4, as applicable, when the address cannot be provided using one of the codes listed in N103.*
2. *Use this loop to identify the source from whom the Bill of Materials item was purchased and the customer for whom it was purchased.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	M ID 2/2
		BY Buying Party (Purchaser) <i>Use to indicate the customer for whom the Bill of Materials item was purchased.</i>	
		SE Selling Party <i>Use to indicate the party from whom the Bill of Materials item was purchased.</i>	
N102	93	Name Free-form name	X AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) <i>While the federal EDI program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases.</i>	X ID 1/2
		1 D-U-N-S Number, Dun & Bradstreet <i>Use of the DUNS and DUNS +4 number is preferred over other codes to identify an entity.</i>	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix <i>Use of the DUNS and DUNS +4 number is preferred over other codes to identify an entity.</i>	
		10 Department of Defense Activity Address Code (DODAAC) <i>Use to indicate a Department of Defense or Civilian Agency Activity Address Code.</i>	
		33 Commercial and Government Entity (CAGE)	
N104	67	Identification Code Code identifying a party or other code	X AN 2/20

Segment: **N2** Additional Name Information
Position: 300
Loop: N1
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: *This segment should only be used when N102 is used and it is necessary to provide additional name information.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N201	93	Name Free-form name	M AN 1/35
	N202	93	Name Free-form name	O AN 1/35

Segment: **N3** Address Information
Position: 310
Loop: N1
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: *This segment should only be used when N102 is used.*

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

Segment: **N4** Geographic Location

Position: 320

Loop: N1

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

Syntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the USA or Canada.

Notes: *This segment should only be used when N102 is used.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	

Segment: **SE** Transaction Set Trailer

Position: 330

Loop:

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>Cite the same number carried in ST02.</i>	M AN 4/9

NIST Technical Publications

Periodical

Journal of Research of the National Institute of Standards and Technology—Reports NIST research and development in those disciplines of the physical and engineering sciences in which the Institute is active. These include physics, chemistry, engineering, mathematics, and computer sciences. Papers cover a broad range of subjects, with major emphasis on measurement methodology and the basic technology underlying standardization. Also included from time to time are survey articles on topics closely related to the Institute's technical and scientific programs. Issued six times a year.

Nonperiodicals

Monographs—Major contributions to the technical literature on various subjects related to the Institute's scientific and technical activities.

Handbooks—Recommended codes of engineering and industrial practice (including safety codes) developed in cooperation with interested industries, professional organizations, and regulatory bodies.

Special Publications—Include proceedings of conferences sponsored by NIST, NIST annual reports, and other special publications appropriate to this grouping such as wall charts, pocket cards, and bibliographies.

National Standard Reference Data Series—Provides quantitative data on the physical and chemical properties of materials, compiled from the world's literature and critically evaluated. Developed under a worldwide program coordinated by NIST under the authority of the National Standard Data Act (Public Law 90-396). NOTE: The Journal of Physical and Chemical Reference Data (JPCRD) is published bimonthly for NIST by the American Chemical Society (ACS) and the American Institute of Physics (AIP). Subscriptions, reprints, and supplements are available from ACS, 1155 Sixteenth St., NW, Washington, DC 20056.

Building Science Series—Disseminates technical information developed at the Institute on building materials, components, systems, and whole structures. The series presents research results, test methods, and performance criteria related to the structural and environmental functions and the durability and safety characteristics of building elements and systems.

Technical Notes—Studies or reports which are complete in themselves but restrictive in their treatment of a subject. Analogous to monographs but not so comprehensive in scope or definitive in treatment of the subject area. Often serve as a vehicle for final reports of work performed at NIST under the sponsorship of other government agencies.

Voluntary Product Standards—Developed under procedures published by the Department of Commerce in Part 10, Title 15, of the Code of Federal Regulations. The standards establish nationally recognized requirements for products, and provide all concerned interests with a basis for common understanding of the characteristics of the products. NIST administers this program in support of the efforts of private-sector standardizing organizations.

Order the following NIST publications—FIPS and NISTIRs—from the National Technical Information Service, Springfield, VA 22161.

Federal Information Processing Standards Publications (FIPS PUB)—Publications in this series collectively constitute the Federal Information Processing Standards Register. The Register serves as the official source of information in the Federal Government regarding standards issued by NIST pursuant to the Federal Property and Administrative Services Act of 1949 as amended, Public Law 89-306 (79 Stat. 1127), and as implemented by Executive Order 11717 (38 FR 12315, dated May 11, 1973) and Part 6 of Title 15 CFR (Code of Federal Regulations).

NIST Interagency Reports (NISTIR)—A special series of interim or final reports on work performed by NIST for outside sponsors (both government and nongovernment). In general, initial distribution is handled by the sponsor; public distribution is by the National Technical Information Service, Springfield, VA 22161, in paper copy or microfiche form.

U.S. Department of Commerce
National Institute of Standards
and Technology
Gaithersburg, MD 20899-0001

Official Business
Penalty for Private Use \$300