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Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003050 Transaction Set 251 Pricing Support

Implementation Convention

U.S. DEPARTMENT OF COMMERCE
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National Institute of
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Federal Implementation Guideline for Electronic Data Interchange

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Electronic Commerce Acquisition Program Management Office
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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.

251 Pricing Support

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		

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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 - N1			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

	Ref. Des.	Data Element	Name	Attributes		
Must Use	ST01	143	**Transaction Set Identifier Code**	M	ID	3/3
			Code uniquely identifying a Transaction Set			
			251 X12.288 Pricing Support			
Must Use	ST02	329	**Transaction Set Control Number**	M	AN	4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			
			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.			

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**	**M ID 2/2**

Code identifying purpose of transaction set

    00   Original

Use to indicate an original transmission of a Pricing Support transaction set.

    01   Cancellation

1. Use to indicate a withdrawal of a previously transmitted Pricing Support transaction set.

2. Do not use to cancel a 251 transaction set that is being revised and submitted using code 15.

    07   Duplicate

Use to indicate a re-transmission of a previously transmitted Pricing Support transaction set.

    15   Re-Submission

Use to indicate a revision of a previously transmitted Pricing Support transaction set. This revision constitutes a complete overwrite of the previous transmission.

	Ref. Des.	Data Element	Name	Attributes
Must Use	BGN02	127	**Reference Number**	**M AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.
A unique number assigned by the originator of the transaction set for identification purposes in other transaction sets.

	Ref. Des.	Data Element	Name	Attributes
Must Use	BGN03	373	**Date**	**M DT 6/6**

Date (YYMMDD)
Use to identify the origination date of this transaction set.

	Ref. Des.	Data Element	Name	Attributes
	BGN04	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)
Use to identify the origination time of this transaction set.

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**	M ID 2/2

Code indicating the level of confidentiality assigned by the sender to the information following

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.

90	Government Non-Classified
92	Government Confidential
93	Government Secret
94	Government Top Secret

Ref. Des.	Data Element	Name	Attributes
SPI02	128	**Reference Number Qualifier**	X ID 2/2

Code qualifying the Reference Number.

Use to identify a reference number to which the data provided in this transaction set applies.

39   Proposal Number

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.

PR   Price Quote Number

Use to indicate the number assigned to the proposal (TS 843, if submitted) to which the data in this transaction set applies.

Ref. Des.	Data Element	Name	Attributes
SPI03	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.

Ref. Des.	Data Element	Name	Attributes
SPI09	786	**Security Level Code**	O ID 2/2

Code indicating the level of confidentiality assigned by the sender to the information following

Use to identify the highest commercial protection level assigned to the data by the submitter.

05   Personal

Use to indicate the information provided within this cost or price proposal is subject to the Privacy Act.

06   Supplier Proprietary

Use to indicate the originator's cost or pricing data shall be protected in accordance with FAR 3.104-5(a).

11   Competition Sensitive

Ref. Des.	Data Element	Name	Attributes
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		M ID 2/2

Code qualifying the Reference Number.

C4	Change Number

Use to indicate an award instrument modification number. When used, another REF segment with REF01 citing code CT must be transmitted.

CT	Contract Number

Use to indicate an award instrument, e.g., contract, delivery order, etc.

DO	Delivery Order Number

Use to indicate a call, release or delivery order. When used, another REF segment with REF01 citing code CT must be transmitted.

KS	Solicitation

Use to indicate a solicitation number. If applicable, concatenate the last amendment number with the solicitation number.

PR	Price Quote Number

Use to indicate the number assigned to a quote or proposal submitted in an 843 transaction set.

TN	Transaction Reference Number

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.

WF	Locally Assigned Control Number

Use to indicate the working modification number assigned to a draft 860 transaction set.

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.

REF03	352	Description	X AN 1/80

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

When REF01 is code TN, use to identify the transaction set number.

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)

Use to indicate the origination date of the proposal (843 transaction set) to which the data in this transaction set applies.

703	Original Transaction

Use to indicate the origination date and time of the 805 transaction set to which the data in this transaction set applies.

993	Request for Quotation

Use to indicate the origination date of the solicitation (840 transaction set) to which the data in this transaction set applies.

	Ref. Des.	Data Element	Name	Attributes		
	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)
Use is REQUIRED when DTM01 is code 703.

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

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

	Ref. Des.	Data Element	Name	Attributes
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:	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. 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.
	3. 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.
	4. 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.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
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
		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.
	BY	Buying Party (Purchaser)
		Use to indicate the procuring contracting office.
	C4	Contract Administration Office
		Use to indicate the cognizant Contract Administration Office of the proposing party.
	KF	Audit Office
		Use to indicate the cognizant audit office of the proposing party.
	SE	Selling Party
		Use to indicate the prime contractor.

Ref. Des.	Data Element	Name	Attributes		
N102	93	**Name**	X	AN	1/35
		Free-form name			
		Use only if the party cited in N101 cannot be identified by a code in N103/04.			

| N103 | 66 | **Identification Code Qualifier** | X | ID | 1/2 |

Code designating the system/method of code structure used for Identification Code (67)

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.

    1   D-U-N-S Number, Dun & Bradstreet

Use of the DUNS and DUNS +4 number is preferred over other codes to identify an entity.

    9   D-U-N-S+4, D-U-N-S Number with Four Character Suffix

Use of the DUNS and DUNS +4 number is preferred over other codes to identify an entity.

    10   Department of Defense Activity Address Code (DODAAC)

Use to indicate a Department of Defense or Civilian Agency Activity Address Code.

    33   Commercial and Government Entity (CAGE)

| N104 | 67 | **Identification Code** | X | AN | 2/20 |

Code identifying a party or other code

| N106 | 98 | **Entity Identifier Code** | O | ID | 2/2 |

Code identifying an organizational entity, a physical location, or an individual

    FR   Message From

Use when N101 is code 28 or SE to indicate the submitter of the transaction set.

    TO   Message To

Use when N101 is code BY or C4 to indicate the recipient of the transaction set.

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

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

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

	Ref. Des.	Data Element	Name	Attributes		
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	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:	**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. Des.	Data 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.

	Ref. Des.	Data Element	Name		Attributes	
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. Des.	Data 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
	When used, identify the unlisted proposal type in PPL04.
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

	Ref. Des.	Data Element	Name	Attributes		
Must Use	REF01	128	Reference Number Qualifier	M	ID	2/2

Code qualifying the Reference Number.

13	Horizontal Coordinate	

Use to indicate a column number. Provide the column title in REF03.

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

Use to indicate a SOW paragraph number.

L6	Subcontract Line Item Number
P4	Project Code

Ref. Des.	Data Element	Name	Attributes		
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.

Ref. Des.	Data Element	Name	Attributes		
REF03	352	Description	X	AN	1/80

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

When REF01 is code 13, use is REQUIRED to provide a column title.

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:	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:	*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

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PD01	344	**Unit of Time Period or Interval**	M	ID	2/2

Code indicating the time period or interval

Use to identify the period of time represented by one value carried in a following PDD02, PDD03, or PDD04 data element.

CY	Calendar Year
DY	Day
FY	Fiscal Year
MO	Month
QY	Quarter of a Year
WK	Weeks

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PD02	373	**Date**	M	DT	6/6

Date (YYMMDD)

Use to identify the beginning date of the time period specified in PD01.

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PD03	C001	**Composite Unit of Measure**	M		

To identify a composite unit of measure (See Figures Appendix for examples of use)

	Ref. Des.	Data Element	Name	Attributes		
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

Any code can be used. The following is a preferred list of codes.

A8   Dollars per Hour
DO   Dollars
HR   Hours
IE   Person
Use to indicate a human resource, i.e., people assigned to a task.

P1   Percent
UN   Units
Refer to 003050 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PD04	380	**Quantity**	M	R	1/15

Numeric value of quantity

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. Des.	Data Element	Name	Attributes		
Must Use	PDD01	350	**Assigned Identification**	M	AN	1/11

Alphanumeric characters assigned for differentiation within a transaction set

A unique sequence number (starting with the number 1 and going progressively higher as applicable) assigned by the originator of the transaction set.

	PDD02	380	**Quantity**	X	R	1/15

Numeric value of quantity

Use to identify the quantity of the data provided in the PD segment.

	PDD03	782	**Monetary Amount**	X	R	1/15

Monetary amount

Use to identify the monetary amount of the data provided in the PD segment.

	PDD04	954	**Percent**	X	R	1/10

Percentage expressed as a decimal

Use to identify the rate (provided the rate is expressed as a percent) of the data provided in the PD segment.

	PDD05	1401	**Proposal Data Detail Identifier Code**	O	ID	1/3

Code identifying the basis of a cited value in a proposal

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.

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:	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

	Ref. Des.	Data Element	Name	Attributes		
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** |

Occurence 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. 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			
			Use to indicate a SOW paragraph number.			
			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:	**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

	Ref. Des.	Data 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:	**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:	

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:

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

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PD01	344	**Unit of Time Period or Interval** Code indicating the time period or interval	M	ID	2/2

Use to identify a period of time represented by one value carried in the following PDD02, PDD03, or PDD04 data element.

CY	Calendar Year
FY	Fiscal Year

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PD02	373	**Date** Date (YYMMDD)	M	DT	6/6

Use to identify the commencement date of the time period specified in PD01.

	Ref. Des.	Data Element	Name	Attributes
Must Use	PD03	C001	**Composite Unit of Measure**	M

To identify a composite unit of measure (See Figures Appendix for examples of use)

	Ref. Des.	Data Element	Name	Attributes		
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	M	ID	2/2

Any code can be used. The following is a list of preferred codes.

A8   Dollars per Hour
DO   Dollars
HR   Hours
IE   Person
Use to indicate a human resource, i.e., people assigned to a task.

P1   Percent
UN   Units
Refer to 003050 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes		
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
This may be the short-hand name as specified in PL03 or a different short-hand name.

     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:	**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

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.

90	Government Non-Classified
92	Government Confidential
93	Government Secret
94	Government Top Secret

Ref. Des.	Data Element	Name	Attributes
SPI09	786	**Security Level Code**	O ID 2/2

Code indicating the level of confidentiality assigned by the sender to the information following

Use to identify the highest commercial protection level assigned to the cost element.

05	Personal

Use to indicate the information provided within this cost or price proposal is subject to the Privacy Act.

06	Supplier Proprietary

Use to indicate the originator's cost or pricing data shall be protected in accordance with FAR 3.104-5(a).

11	Competition Sensitive

		REF Reference Numbers
Segment:		
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	
	Use to indicate a SOW paragraph number.	
L6	Subcontract Line Item Number	
P4	Project Code	

	Ref. Des.	Data Element	Name	Attributes		
	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

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

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

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

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. 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			
			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 1D's.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten (10) different product/service 1D's per each item. For example: Case, Color, Drawing No., UPC No., 1SBN 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.

	Ref. Des.	Data Element	Name	Attributes		
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.

	Ref. Des.	Data Element	Name	Attributes		
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.

	Ref. Des.	Data Element	Name	Attributes		
	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.

	Ref. Des.	Data Element	Name	Attributes		
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

Use to indicate an upward adjusted unit price.

KR	In Stock
NE	Not to Exceed
NT	Net

Use to indicate a downward adjusted unit price.

PQ	Posted

Use to indicate the price is regulated by a Government entity.

QT	Quoted
ST	Standard

Use to indicate a unit price developed under a standard cost accounting system.

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**	X	ID	2/2

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

PO113	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

PO114	235	**Product/Service ID Qualifier**	X	ID	2/2

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

PO115	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

PO116	235	**Product/Service ID Qualifier**	X	ID	2/2

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

PO117	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

PO118	235	**Product/Service ID Qualifier**	X	ID	2/2

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

PO119	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

PO120	235	**Product/Service ID Qualifier**	X	ID	2/2

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

PO121	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

PO122	235	**Product/Service ID Qualifier**	X	ID	2/2

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

PO123	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

PO124	235	**Product/Service ID Qualifier**	X	ID	2/2

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

PO125	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

Segment:	**PID** Product/Item Description	

Position:	180
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	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:	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:	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:	*1. Use to provide information related to the acquisition method of the Bill of Material item.*
	2. Use is REQUIRED when PO105 is code CA, CT, or QT.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PID01	349	**Item Description Type** Code indicating the format of a description	M	ID	1/1
			S Structured (From Industry Code List)			
	PID03	559	**Agency Qualifier Code** Code identifying the agency assigning the code values	X	ID	2/2
			DF Department of Defense (DoD)			
	PID04	751	**Product Description Code** A code from an industry code list which provides specific data about a product characteristic *Cite one of the following codes to describe how an item was or will be procured:*	X	AN	1/12

CC   Commercial Off-the-Shelf Product, (COTS) Competitively Procured
CN   Commercial Off-the-Shelf Product, (COTS) Not Competed
NS   Non COTS Not Competed, Only One Source
NC   Non COTS Not Competed, Multiple Sources
FF   Non COTS Product, Full and Open Competition, Price & Other Factors
FP   Non COTS Product, Full and Open Competition, Price Only
RF   Non COTS Product, Restricted Competition, Price and Other Factors
RP   Non COTS Product, Restricted Competition, Price Only

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

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY01	673	**Quantity Qualifier**	M	ID	2/2

Code specifying the type of quantity

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.

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY02	380	**Quantity**	M	R	1/15

Numeric value of quantity

	QTY03	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.

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. Des.	Data Element	Name	Attributes		
Must Use	AMT01	522	**Amount Qualifier Code**	M	ID	1/2
			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. Des.	Data Element	Name	Attributes
Must Use	PCT01	1004	Percent Qualifier Code to qualify percent	M ID 1/2

      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.

	Ref. Des.	Data Element	Name	Attributes
Must Use	PCT02	954	Percent Percentage expressed as a decimal	M R 1/10

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. Des.	Data Element	Name	Attributes
Must Use REF01	128	**Reference Number Qualifier**	M ID 2/2

Code qualifying the Reference Number.

VQ	Related Contract Line Item Number

Use to indicate the line item in either the 805 or 843 transaction set to which the item in the same PO1 loop applies.

VR	Vendor ID Number

Use to identify the contractor by his DUNS or DUNS +4 number. This is the preferred code to use for identification purposes.

W7	Commercial and Government Entity (CAGE) Code

Use to identify the contractor by his CAGE code.

ZZ	Mutually Defined

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.

Ref. Des.	Data Element	Name	Attributes
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.

Ref. Des.	Data Element	Name	Attributes
REF03	352	**Description**	X AN 1/80

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

When REF01 is code ZZ, use to provide the contractor's name.

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. Des.	Data Element	Name	Attributes		
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

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY01	673	**Quantity Qualifier**	M	ID	2/2
			Code specifying the type of quantity			
			PP Purchase of Product			
Must Use	QTY02	380	**Quantity**	M	R	1/15
			Numeric value of quantity			
Must Use	QTY03	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.			

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		M	ID	1/2
			Code to qualify amount				
			AX	Previous Price			
				Use to indicate the unit price applicable to the purchase.			
			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:	**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. Des.	Data 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

	Ref. Des.	Data Element	Name	Attributes		
Must Use	REF01	128	Reference Number Qualifier	M	ID	2/2

Code qualifying the Reference Number.

> P1   Previous Contract Number
>
> *Use to indicate the award instrument number under which the Bill of Materials item was purchased.*

	Ref. Des.	Data Element	Name	Attributes		
	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:	**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	M	ID	3/3
			Code specifying type of date or time, or both date and time			
			103 Award			
			Use to indicate the date of the award instrument under which the Bill of Materials item was purchased.			
	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:	**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. Des.	Data Element	Name	Attributes		
Must Use N101	98	**Entity Identifier Code**	M	ID	2/2

Code identifying an organizational entity, a physical location, or an individual

BY   Buying Party (Purchaser)

Use to indicate the customer for whom the Bill of Materials item was purchased.

SE   Selling Party

Use to indicate the party from whom the Bill of Materials item was purchased.

N102	93	**Name**	X	AN	1/35

Free-form name

N103	66	**Identification Code Qualifier**	X	ID	1/2

Code designating the system/method of code structure used for Identification Code (67)

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.

1   D-U-N-S Number, Dun & Bradstreet

Use of the DUNS and DUNS +4 number is preferred over other codes to identify an entity.

9   D-U-N-S+4, D-U-N-S Number with Four Character Suffix

Use of the DUNS and DUNS +4 number is preferred over other codes to identify an entity.

10   Department of Defense Activity Address Code (DODAAC)

Use to indicate a Department of Defense or Civilian Agency Activity Address Code.

33   Commercial and Government Entity (CAGE)

N104	67	**Identification Code**	X	AN	2/20

Code identifying a party or other code

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

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

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

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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. Des.	Data Element	Name	Attributes		
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

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

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