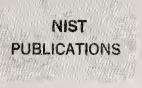
Special Publication 881-22







Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003060 Transaction Set 841 Specifications/Technical Information (Provide Technical Information)

Implementation Convention



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

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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

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

Technology Administration Mary L. Good, Under Secretary for Technology

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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, IT-L 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.

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841 Specifications/Technical Information

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Specifications/Technical Information Transaction Set (841) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit or request specifications or technical information between trading partners. It can be used to transmit engineering change and engineering change requests. It can also be used to allow EDI trading partners the ability to exchange a complete or partial technical description of a product, process, service, etc. over the same path as any other EDI transaction. The detail area can include graphic, text, parametric, tabular, image, spectral, or audio data. A transmission includes identification information to assist the receiver in interpreting and utilizing the information included in the transaction. Further action as a consequence of the receipt and initial processing of the specification or other technical data may or may not require human intervention. The transmission and receipt of the data may require private agreement between the trading partners to automate the receipt of the data. The total transaction must be in the general form of all ASC X12 transactions so that an EDI computer system will be able to automatically recognize it as a Specification/Technical Information Transaction Set and pass it on for processing of the data itself. The transaction set is not media dependent. The detail area of the Specification/Technical Information Transaction Set provides a structure which allows for the exchange of a variety of specification information. For example, if the transaction contains information describing a complete assembly, it would be necessary to include the assembly model, the models for each of the individual parts, and the associated specifications. In the case of a process it may be necessary to transmit the specification of the product along with the specifications of the process and raw materials. This transaction set can also be linked to other transaction sets. This transaction set is not limited to a specific transmission protocol and uses other standards as applicable where they do not conflict with these requirements for specification transaction.

Notes:

1. The application name for this implementation convention is PROVIDE TECHNICAL INFORMATION.

2. This implementation convention is used by the government or a contractor to respond to a request for technical information.

3. It can be used by the government to transmit technical information that is part of a solicitation, as part of a contract or contract modification, or to transfer technical information between government activities.

4. It can also be used by a bidder to provide technical information that is part of a Response to a Request for Quotation, 843 transaction set, or by a contractor to provide deliverables required by an award instrument, e.g., data required on a Contract Data Requirements List (CDRL), or to submit technical information as part of a requested change to a contract, e.g., an engineering change request.

5. When used to provide technical information in support of Response to a Request for Quotation (843 transaction set), or to provide deliverables required by an award instrument, or to provide technical information as part of a requested change to a contract, the transaction set shall only transmit information applicable to a single quote or a single award instrument.

Heading:

 Pos.
 Seg.

 <u>No.</u>
 <u>ID</u>

 Must Use
 010
 ST

Req.		Loop	Notes and
Des.	Max.Use	Repeat	Comments
М	1		

841 - Spec	cificatio	ns/Techn	ical Information (Provide Technical Informa	ution)		
			LOOP ID - SPI			A
Must Use	020	SPI	Specification Identifier	М	_ 1	
N/U	030	RDT	Revision Date/Time	0	>1	
	040	NTE	Note/Special Instruction	Ο	>1	
N/U	050	X1	Export License	Ο	1	
N/U	060	X2	Import License	0	1	
N/U	070	X7	Customs Information	0	1	
	080	AMT	Monetary Amount	0	>1	and the second se
			LOOP ID - REF			21
	090	REF	Reference Identification	0	1	
N/U	100	DTM	Date/Time Reference	0	>1	
N/U	110	PER	Administrative Communications Contact	0	>1	
			LOOPID-NI			
	120	N1	Name	0	1	
	130	N2	Additional Name Information	0	2	
	140	N3	Address Information	0	2	
	150	N4	Geographic Location	0	1	
	160	REF	Reference Identification	0	>1	
	170	PER	Administrative Communications Contact	0	>1	

Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name LOOPID-HI.	Req. <u>Des.</u>	<u>Max.Use</u>	Loop <u>Repeat</u>	Notes and <u>Comments</u>
Must Use	010	HL	Hierarchical Level	М	1		n1, c1
			LOOP ID + SPI			*i	
	020	SPI	Specification Identifier	0	1		
	030	RDT	Revision Date/Time	0	>1		
N/U	033	PRR	Problem Report	0	>1		c2
N/U	034	PRT	Part Disposition	0	>1		c3
N/U	035	PRS	Part Release Status	0	1		c4
N/U	040	LIN	Item Identification	0	1		c5
N/U	045	N1	Name	0	>1		
N/U	046	PER	Administrative Communications Contact	0	>1		
	050	MSG	Message Text	0	>1		
			LOOP ID + PID			>1	
N/U	060	PID	Product/Item Description	0	1		
N/U	065	PKD	Packaging Description	0	>1		
N/U	070	QTY	Quantity	0	>1		
N/U	074	MEA	Measurements	0	>1		
N/U	075	UIT	Unit Detail	0	>1		
N/U	076	LOC	Location	0	1		
N/U	077	PWK	Paperwork	0	>1		
			LOOP ID + PKG			>1	
N/U	078	PKG	Marking, Packaging, Loading	0	1		
N/U	079	MEA	Measurements	0	>1		
			LOOP ID - REF			>1	L
	080	REF	Reference Identification	0	1		
N/U	090	DTM	Date/Time Reference	ο	>1		

N/U	100	PER	Administrative Communications Contact	0	>1	
			FOOD ID + FX			21
1/U	103	LX	Assigned Number	0	1	
I/U	105	LIN	Item Identification	0	1	
I/U	107	TMD	Test Method	0	1	
√U	110	MEA	Measurements	М	>1	
N/U	112	PSD	Physical Sample Description	0	>1	
1/U	114	SPS	Sampling Parameters for Summary Statistics	0	>1	
N/U	120	DTM	Date/Time Reference	0	>1	
V/U	130	REF	Reference Identification	0	>1	
			LOOP ID - EFI			
	140	EFI	Electronic Format Identification	0	1	
lust Use	160	BIN	Binary Data	М	1	
			LOOP ID - CID			>I
1/U	170	CID	Characteristic/Class ID	0	1	сб
i/U	180	UIT	Unit Detail	0	1	
1/U	190	TMD	Test Method	0	>1	
1/U	200	PSD	Physical Sample Description	0	1	
1/U	201	CSS	Conditional Sampling Sequence	0	1	n2
I/U	210	SPS	Sampling Parameters for Summary Statistics	0	1	
1/U	220	MSG	Message Text	0	>1	
			LOOP ID + MEA			>1
√U	230	MEA	Measurements	0	1	
₩U	240	DTM	Date/Time Reference	0	>1	
I/U	250	REF	Reference Identification	0	>1	
			LOOP ID - STA			*1
I/U	260	STA	Statistics	0	1	
I/U	270	DTM	Date/Time Reference	0	>1	
I/U	280	REF	Reference Identification	0	>1	
			LOOP ID - CSF			>1
I/U	282	CSF	Conditional Sampling Frequency	0	1	n3, c7
I/U	283	LS	Loop Header	о	1	
			LOOP ID - CID			>1
I/U	284	CID	Characteristic/Class ID	0	1	n4, c8
U/U	285	MEA	Measurements	0	1	с9
/U	286	STA	Statistics	0	1	c10
I/U	287	LE	Loop Trailer	0	1	
			LOOP ID - EFI			
/U	290	EFI	Electronic Format Identification	0	1	•
/U	310	BIN	Binary Data	м	•	

Summary:

	Pos.	Seg.		Req.		Loop	Notes and
	No.	D	Name	Des.	Max.Use	Repeat	Comments
Must Use	010	SE	Transaction Set Trailer	М	1		

Transaction Set Notes

- 1. To be meaningful, at least one of the SPI, PID, REF, MEA, EFI or CID loops must be present with each occurence of the HL loop.
- 2. The sampling sequence specified in the CSS segment will take precedence over any other sampling rate (PSD03, PSD09, SPS06, CSF02, and CSF03) from the point the CSS01 event occurs until the specified sequence is completed.

If no other sampling is specified, then only the sampling indicated in this segment is performed when the CSS01 event occurs.

- 3. The sampling rate specified is the CSF segment. It would take precedence over the normal sampling rate specified in PSD03 while the conditions of the CSF segment are satisfied, but would NOT take precedence over the sampling sequence activated by the proposed CSS segment. If no other sampling rate is specified, then the only sampling indicated in the CSF segment is performed while the CSF conditions are met. Sampling will cease when the conditions are no longer met. Conditional values specified in DE 740 (Range Minimum) will be interpreted as ``greater than or equal to this value." Values specified in DE 741 (Range Maximum) will be interpreted to mean ``less than or equal to this value."
- 4. Either the MEA segment or the STA segment must occur, but not both.

Transaction Set Comments

- 1. The HL segment may be used to define the hierarchical relationship of product-related specifications reported in the associated HL loop. Product-related specifications may refer to the product in its entirety or to subunits of the product. For example, if the top level refers to an assembly, the second-level HL segment may refer to parts or subassemblies of the top assembly. This pattern may be repeated as often as required.
- 2. The PRR segment contains the reason for an engineering change.
- 3. The PRT segment is used to describe what should be done with the parts or assemblies specified in the preceding SPI segment.
- 4. The PRS segment is used to tell the current status of the parts specified in the SPI segment required to make the change.
- 5. The repeated pairs of 234 and 234 data elements in the LIN segment can be used to list where this modified part or assembly is used.
- 6. The CID segment may be used to define either a general class of properties, such as physical properties, or an individual property within a class. The CID loop allows the user the ability to define specifications such as the properties of the item or class, the environmental conditions under which the specifications apply, the test methods to be used, and other parameters related to properties within the current HL hierarchical level.
- 7. Repetitions of the CSF loop allow several frequency changes (and the conditions that would trigger those changes) to be specified.
 If the conditions are such that several CSF values are activated at the same time, the value with the highest

If the conditions are such that several CSF values are activated at the same time, the value with the highest sampling rate shall prevail.

8. The CID loop within the CSF loop is used to specify the conditions that will trigger activation of the conditional value in the CSF segment.

Repetitions of the CID loop will have an implied logical AND between the conditions set in each iteration.

- 9. The elements of the CID segment identify the conditional property. If the property is a measurement from within the manufacturing process of a plant environment, rather than the product, the segment also identifies the location where the measurements are to be observed.
- 10. If the condition is based on single test measurements, the MEA segment is used to specify the units of measure, and the open or closed numeric range of the conditional test.

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.	Data				
	Des.	Element	Name	Att	ribute	S
Must Use	ST01	143	Transaction Set Identifier Code	Μ	D	3/3
			Code uniquely identifying a Transaction Set			
			841 X12.51 Specifications/Technical Info	matic	n	
Must Use	ST02	329	Transaction Set Control Number	Μ	AN	4/9
			Identifying control number that must be unique within the t	ransa	ction s	et
			functional group assigned by the originator for a transaction	1 set		
			This unique number is assigned by the originator of the transame number is carried in SE02.		on set.	. This

Segment:	SPI Specification Identifier
Position:	020
Loop:	SPI
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:	

	D.C	D	Data	Element Summary			
Must Use	Ref. <u>Des.</u> SPI01	Data <u>Element</u> 786	<u>Name</u> Security Leve Code indicatin	l Code g the level of confidentiality assigned by	M	tribute ID er to th	2/2
			information for 1. Use the dat or commercial		rotection Ise the S	n (gove PI seg	ernment
			a government s this data eleme	cansaction set is originated by a contractor security classification and a commercial p ent will carry the government security cla sotection requirement code will be carried	protections sification	on requi	irement,
			may carry eithe protection requ classification c code 99, when	cansaction set is originated by the government security classification of wirement code, as applicable, with the go code taking precedence. In this instance, S it is necessary to indicate that data reference is restricted to certified contractors.	or the co vernmen SPI09 ma	ommero nt secut ay only	cial rity
			•	government security classification nor a coplies to the information, code 90 shall be Supplier Proprietary		cial pro	otection
			11	Competition Sensitive			
			90	Government Non-Classified			
			92	Government Confidential			
			93	Government Secret			
			94	Government Top Secret			
Must Use	SPI02	128	Code Qualifyir	ntification Qualifier ng the Reference Identification DATA ELEMENT IS REQUIRED.	X	D	2/3
			TN	Transaction Reference Number			
				Use to indicate the unique reference transaction set. This number is asso originator of the transaction set.		-	is
Must Use	SPI03	127	specified by the	- · ·	X ction Se	AN t or as	1/30
Must Use	SPI07	353	Code identifyin	et Purpose Code ng purpose of transaction set DATA ELEMENT IS REQUIRED.	0	ID	2/2
			00	Original			
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841 - Specifications/Technical Information	(Provide Technical Information)
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841 - Specifications/Techn	nical Information (Provide Technica	
		Use to indicate an original transmission when none of the other codes apply
	08	the other codes apply. Status
	08	
		Use to indicate only a portion of a request is being satisfied. Provide an explanation in the 1/NTE/040
	12	segment. Not Processed
		Use to indicate a request could not be satisfied. Provide the reason in the 1/NTE/040 segment.
	25	Incremental
		Use to indicate 2 or more 841 transaction sets are being sent to transmit all technical information. Identify the unique reference number of the previous 841 transaction set in the 1/REF/090 segment using code Q4.
	53	Completion
		When 2 or more 841 transaction sets are being sent to
		transmit all technical information, use to indicate the final transaction set. Identify the unique reference number of the previous 841 transaction set in the
		1/REF/090 segment using code Q4.
Must Use SPI08	755 Report Type Cod Code indicating th	le title or contents of a document, report or supporting item
	USE OF THIS DA	TA ELEMENT IS REQUIRED.
	AE	Attachment
	B1	Use to indicate miscellaneous information not applicable to any other listed code is being provided. Batch Report
		Use to indicate technical information provided in
	KA	response to a request. Contract Data Requirements List (CDRL)
		1. Use to indicate an award instrument deliverable.
	КН	2. This code is only used by a contractor. Proposal Support Data
		1. Use to indicate technical information in support of proposal, i.e., 843 transaction set.
	KJ	2. This code is only used by a contractor. Change Proposal Data
		Use to indicate information in support of a requested change (including waivers and deviations) to an award instrument that is transmitted in an 860 or an 865 transaction set.
	PC	Process Change Notice
		1. Use to indicate information applicable to a contract modification, i.e., an 860 transaction set.
	PF	2. This code is used only by the government. Product Specification
		1. Use to indicate technical information applicable to an award instrument, i.e., an 850 transaction set.
	SD	2. This code is only used by the government. Support Data for a Request for Quote
		1. Use to indicate technical information applicable to a solicitation, i.e., an 840 transaction set.

786

SPI09

2. This code is only used by the government.

D 2/2

Security Level Code 0 Code indicating the level of confidentiality assigned by the sender to the information following

1. When the transaction set is originated by a contractor, use this data element ONLY when SPI01 is Code 92, 93, or 94 and the information also has a commercial protection requirement.

2. Codes 06 and 11 indicate the highest level of commercial security protection assigned to the information being provided. Use the SPI segment at the Detail Level to indicate the commercial protection requirement of individual data items.

3. When the transaction set is originated by the government, this data element may cite only code 99, if applicable.

06	Supplier Proprietary
	This code is only used by a contractor.
11	Competition Sensitive
	This code is only used by a contractor.
99	Government Defined (Trading Partner Level)
	1. Use to indicate that information referenced in this transaction set is restricted to certified contractors.

2. This code is used only by the government.

•	Segment:	NTE	E Note/Special L	struction			
	Position:	040					
	Loop:	SPI					
	Level:	Heading					
	Usage:	Optional					
	Max Use:	>1					
	Purpose:	To transmit information in a free-form format, if necessary, for comment or special instruction				al	
Syn	tax Notes:						
	ntic Notes:						
C	Comments:	stan	dard implementation	nits free-form information/data which, u ons, is not machine processable. The use bided, if at all possible, in an automated of	of the N	TTE se	
	Notes:			e information applicable to the entire tra able to a specific item, use the 2/MSG/05			То
		-	Data Ele	ement Summary			
	Ref.	Data	N7			••	
D.C. of M.	Des.	Element	Name Nate Defense	C. J.	Attr O	ibutes	-
Must Use	NTE01	363	Note Reference	the functional area or purpose for which	•		3/3
						; appu	.05
				nt is used, this data element is REQUIR	ED.		
			ACN	Action Taken			
				When SPI07 is code 08 or 12, use to reasons for not processing or satisfy request.	-		
			GEN	Entire Transaction Set			
				Use to indicate information related to transaction set.	to the da	ta in t	his
Must Use	NTE02	352	Description A free-form desc	ription to clarify the related data element	M ts and the	AN eir coi	1/80 ntent

Segment:	AMT Monetary Amount
Position:	080
Loop:	SPI
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To indicate the total monetary amount
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	1. Use this segment to identify the cost associat

1. Use this segment to identify the cost associated with providing the information and the balance of the requester's account.

2. This segment is only used by the government when responding to a request from a contractor that contained codes 24, AE, KE, KG, or KI in SP108 of the 1/SP1/020 segment of the request.

Mus	t Use	Ref. <u>Des.</u> AMT01	Data <u>Element</u> 522	<u>Name</u> Amount Qualifier Code to qualify amo	
				PB	Billed Amount
					Use to indicate the amount charged the requester for the information provided.
				T4	Total Current Balance
					Use to indicate the current balance of a requester's account after the charge for the information in this transaction set has been deducted.
Mus	t Use	AMT02	782	Monetary Amount Monetary amount	M R 1/15

Segment:	REF Reference Identification	
Position:	090	
Loop:	REF	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify identifying information	
Syntax Notes:	1 At least one of REF02 or REF03 is required.	
	2 If either C04003 or C04004 is present, then the other is requi	ired.
	3 If either C04005 or C04006 is present, then the other is requi	ired.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.	
Comments:		
Notes:	Use this 1/REF/090 segment to identify reference numbers applic	cable to the technical
	information being provided in this transaction set.	
	Data Element Summary	
Ref.	Data	
Des.	Element Name	Attributes
Must Use REF01	128 Reference Identification Qualifier	M ID 2/3

Reference Identification Qualifier **KELLOI** 120 Code Qualifying the Reference Identification 39 Proposal Number Use to indicate either a contractor originated change proposal number, found in an 865 transaction set or a draft contract modification number, found in an 860 transaction set to which the information provided in this transaction set applies. When used, a second REF segment citing code CT in REF01 must be transmitted. **C4** Change Number Use to indicate the award instrument modification number assigned in an 860 transaction set to which the information provided in this transaction set applies. When used, a second REF segment citing code CT in REF01 must be transmitted. CT **Contract Number** Use to indicate the award instrument number to which the information provided in this transaction set applies. DO **Delivery Order Number** Use to indicate a delivery order number, call or release to which the information provided in this transaction set applies. When used, a second REF segment must be transmitted citing code CT in REF01 to identify the basic award instrument applicable to the delivery, call or release. KS Solicitation Use to indicate the solicitation number to which the information provided in this transaction set applies. PR Price Quote Number 1. Use to indicate the bid, quote or proposal number to which the information provided in this transaction set

applies.

		Q4	2. This code is only used by a contractor when SP108 in the 1/SPI/020 segment is code KH. Prior Identifier Number
			When SP107 is code 25 or 53, use to indicate the unique reference number of the prior transaction set that transmitted a portion of the requested information. If more than one transaction set has been transmitted, cite the unique reference number of the last transmission.
		TN	Transaction Reference Number
			Use to indicate the reference number of the transaction set to which this transaction set is responding.
REF02	127	Reference Ide	entification X AN 1/30
			ormation as defined for a particular Transaction Set or as a Reference Identification Qualifier

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841 - Spech	ications/ Techi		•	conical information)			
	Segment:	N1 N	lame				
	Position:	120					
	Loop:	N1					
	Level:	Heading					
	Usage: Max Use:	Optional					
	Purpose:	To identi	ify a party by t	ype of organization, name, and code			
Syn	ntax Notes:	1 At le	east one of N10	02 or N103 is required. J104 is present, then the other is required.			
Sema	ntic Notes:						
(Comments:	orga prov	nizational iden ride a key to th	alone, provides the most efficient method of participation. To obtain this efficiency the "ID Constrained by the transaction processing the result of the type of entity in N101.	de" (N104)	must
	Notes:	Wheneve	r possible, ide	ntification and address information should be	provi	ded usi	ing
				. Use N102 and segments N2 through N4, as a to be provided by using one of the codes listed in	A 4		vhen
			Data	Element Summary			
	Ref.	Data					
	Des.	Element	Name			ribute	-
Must Use	N101	98	Entity Identi		M	D	2/2
				ving an organizational entity, a physical location	n, or	an indi	ividual
			BY	Buying Party (Purchaser)			
			KY	Use to indicate a government activity technical information. Technical Office	that i:	s receiv	ving
			SE	Use to indicate a government activity transmitting technical information.	that is	5	
			SE	Selling Party Use to indicate a commercial party the			
	N100	0.2	Norma	transmitting or receiving technical inf			1/25
	N102	93	Name		X	AN	1/35
			Free-form na				
	N103	66		n Code Qualifier	X	D	1/2
			Code (67)	ating the system/method of code structure used			
			•	leral EDI program uses the DUNS number, oth	-		
				implementation convention may require the use mbers for a transition period in order to cross	-		
			data bases.	mbers jor a mansmon period in order to cross	rejer	ence c.	Listing
			1	D-U-N-S Number, Dun & Bradstreet			
				Use of the DUNS and DUNS +4 numb	er is	preferr	ed
				over other codes to identify an entity.		, . ,	
			9	D-U-N-S+4, D-U-N-S Number with F	our C	haracte	er
				Suffix			
				Use of the DUNS and DUNS +4 numb over other codes to identify an entity.	-		ed
			10	Department of Defense Activity Addre (DODAAC)			
			33	Commercial and Government Entity (CAGE	E)	
	N104	67	Identification	n Code	X	AN	2/20
			Code identify	ring a party or other code			

Segment:	N2 Additional Name Information
Position:	130
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.

	Ref. Des.	Data <u>Element</u>	Name	Att	ributes	<u> </u>
Must Use	N201	93	Name Free-form name	Μ	AN	1/35
	N202	93	Name Free-form name	0	AN	1/35

Segment:	N3 Address Information
Position:	140
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.

	Ref. Des.	Data Element	Name	A 11	ribute	8
Must Use		<u>166</u>	Address Information	M	AN	<u>1/35</u>
	N7202	1.00	Address information	0	ADT	1/25
	N302	166	Address Information Address information	0	AN	1/35

Segment:	N4 Geographic Location
Position:	150
Loop:	Nl
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 U.S. or Canada.
Notes:	This segment should only be used when N102 is used.

<u>ibutes</u>	
AN	2/30
D	2/2
nent ag	gency
D	3/15
on and	blanks
D	2/3
.r	AN ID nent ag ID n and

TJ W7

Reference Identification

841 - Specifications/Techn	ical information (P	rovide Techni	cal information)			
Segment:	REF Re	ference Iden	tification			
Position:	160					
Loop:	Nl					
Level:	Heading					
Usage:	Optional					
Max Use:	>1					
Purpose:	To specify ide	ntifying info	rmation			
Syntax Notes:			or REF03 is required.			
•			4004 is present, then the other is rec	juired.		
			4006 is present, then the other is red	-		
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.					
Comments:						
Notes:	When N101 is	code SE and	the selling party is transmitting tech	hnical inform	nation.	use
			erence numbers applicable to the sel	-	,	
		,	II	01-07		
		Data Ele	ement Summary			
Ref.	Data					
Des.	Element Nan	<u>ne</u>		Att	ributes	<u>s</u>
Must Use REF01	128 Ref	erence Ident	ification Qualifier	Μ	D	2/3
	Cod	e Qualifying	the Reference Identification			
		EL	Electronic device pin number			
			1. Use to indicate the identification of the second s	ation number	r assigr	ned to
			a selling party at the time of reg	gistration.		
			2. Use of this code is REQUIR	FD when the	sollin	a
			party is transmitting technical is		sening	5
			purty is ir unsmitting rechnicul i	njormanon.		

code 33.

specified by the Reference Identification Qualifier

Reference information as defined for a particular Transaction Set or as

Federal Taxpayer's Identification Number

Commercial and Government Entity (CAGE) Code

transmitting technical information use to indicate the CAGE code of the selling party if N103 is other than

Х

AN

1/30

When N101 is code SE and the selling party is

REF02

127

17

Segment:	PER Administrative Communications Contact
Position:	170
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes: Comments:	

	D (D	Dat	a Element Summary			
	Ref.	Data	Nomo				~
Must Use	<u>Des.</u> PER01	Element 366	Name Contact Fu	nction Code	M	tribute ID	<u>s</u> 2/2
Must Use	ILINOI	500		fying the major duty or responsibility of the pers			
			IC	Information Contact		- 6]	
				Use to indicate the information point o	f cor	itact a	t the
				location of the party transmitting the te			
	PER02	93	Name		0	AN	1/35
			Free-form n	ame			
			1. Use to pr	rovide the name of the point of contact.			
				name first followed by first name. If the whole r rs, truncate or use initials for the first name.		e is lon	ger than
	PER03	365	Communic	ation Number Qualifier	X	D	2/2
			Code identif	fying the type of communication number			
			AU	Defense Switched Network			
			EM	Electronic Mail			
			FT	Federal Telecommunications System (I	TS))	
			FX	Facsimile			
			IT	International Telephone			
			TE	Telephone			
				Use to indicate a commercial telephone	e nui	mber.	
				Include the area code.			
	PER04	364	Communica	ation Number	X	AN	1/80
			Complete co applicable	ommunications number including country or area	1 COC	le whe	n
	PER05	365	Communica	ation Number Qualifier	X	D	2/2
			Code identif	ying the type of communication number			
				ify a second communication number for the part e, if PER03/04 cites a telephone number, PER05. r.			
			AU	Defense Switched Network			
			EM	Electronic Mail			
			EX	Telephone Extension			
				Use only if PER03 cites code TE.			
			FT	Federal Telecommunications System (I	·TS)		
			FX	Facsimile			
			IT	International Telephone			
			TE	Telephone			
				Use to indicate a commercial telephone	e nur	nber.	
002060555				10			ANT 1007

			Include the area code.			
PER06	364	Communicati	ion Number	X	AN	1/80
		Complete com applicable	munications number including country or a	area coo	le whe	n
PER07	365	Communicati	ion Number Qualifier	X	D	2/2
		Code identifyi	ng the type of communication number			
		Use to identify	a third communication number for the part	rty cited	l in PE	R <i>02</i> .
		AU	Defense Switched Network			
		EM	Electronic Mail			
		EX	Telephone Extension			
			Use only if PER05 cites code TE.			
		FT	Federal Telecommunications System	n (FTS)	1	
		FX	Facsimile			
		IT	International Telephone			
		TE	Telephone			
			Use to indicate a commercial teleph Include the area code.	one nui	nber.	
PER08	364	Communicati	on Number	X	AN	1/80
		Complete com applicable	munications number including country or a	area coo	le when	1
PER09	443	Contact Inqui	iry Reference	0	AN	1/20
		Additional refe	erence number or description to clarify a co	ontact n	umber	
		Use to identify	the title or office symbol of the party ident	ified in	PER02)

- Specifications recim	teat information (Frovide Technical Information)
Segment:	HL Hierarchical Level
Position:	010
Loop:	HL
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes: Semantic Notes:	
Comments:	1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
	2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
	 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
	4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example,

grouping of data referring to shipment, order, or item-level information.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

HL03 is used to indicate that subsequent segments in the HL loop form a logical

Notes:

Def

1. When transmitting multiple items that may or may not have a hierarchical relationship, repeat the HL loop as many times as required to specify all levels and use as many iterations of the HL, SPI, and REF loops as necessary.

2. Each file or image transmitted in the BIN segment must be a separate HL loop.

	Rei.	Data							
	<u>Des.</u>	Element	Name		Att	ribute	<u>s</u>		
Must Use	HL01	628	Hierarchical ID	Number	Μ	AN	1/12		
			A unique number	assigned by the sender to identify a pa	rticular o	lata se	gment		
			in a hierarchical st						
			-	nd progressive number assigned by the	_	-			
				rting with the number 1 and following	with wh	ole nui	mbers		
			2, 3, 4, etc.		-				
	HL02	734	Hierarchical Par	ent ID Number	0	AN	1/12		
				ber of the next higher hierarchical dat	a segmer	nt that	the data		
			segment being described is subordinate to						
			-	ement is REQUIRED when the curren	-				
				other HL segment. For example, the se		-	-		
				the first HL segment, therefore, the nu			be cited;		
				gment may be subordinate to the fourt	-	-	7		
			-	ber 4 would be cited. If an HL segmen nt, this data element is left blank.	nt is not s	subora	inale lo		
Must Use	HL03	735	Hierarchical Leve	· · · · · · · · · · · · · · · · · · ·	Μ	D	1/2		
			Code defining the	characteristic of a level in a hierarchic	al struct	ure			
			Use any appropria transmitted data.	ate listed code to indicate the hierarch	ical relai	tionshi _j	p of the		
			26	Member					
				Use to indicate a section or portion	of an av	vard			
				instrument deliverable. A portion of	of the del	iverab	le is a		
				separate file which is referenced by	the base	e docu	ment.		
				The separate file is included in the	base doc	rument	when		
003060FED	00A			20		24 J.	AN 1997		

841 - Specifications/Technical Information	ation (Provide Technic	al Information)
		it is processed by the appropriate software. Used only
		by a contractor when SPI08 in the 1/SPI/020 segment is
		code KA.
	A	Assembly
	DG	Drawing
	ED	Engineering Data List
	F	Component
	FR	Frame
		Use to indicate a drawing sheet frame.
	I	Item
	-	Use to indicate an item Technical Information Package
		(TIP). The TIP includes EDLs, drawings,
		specifications, standards, etc. and may also contain a statement of work (SOW).
	IB	Contract
	RP	Report
		Use to indicate an award instrument deliverable. This document is the entire deliverable or it is the base
		document which references additional sections or
		portions of the document in other HL loops where HL03
		cites code 26. If this is the base document, the other
		portions are included when the base document is
		processed by the appropriate software. Used only by a contractor when SP108 in the 1/SP1/020 segment is code KA.
	SD	Support Document
	22	Use to indicate a specification, standard, engineering
		change order, bill of materials, technical manual,
		software application, or other type of list.
	SH	Sheet
		Use to indicate a drawing sheet.
	SL	Solicitation
	SY	System
	U	Subassembly
	ZZ	Mutually Defined
		-
		1. Use to indicate a miscellaneous hierarchical level that cannot be identified by use of any other listed code. When used, this is a stand alone hierarchical level, i.e.,
		it may not be subordinate to any other hierarchical
		level and cannot have any subordinate hierarchical
		levels.
		2. This code is only used when SPI08 in the 1/SPI/020
		segment is code AE.
Must Use HL04 736	Hierarchical Chil	
	-	there are hierarchical child data segments subordinate to the
	level being describ	
	1. Use to identify	whether or not there are subordinate HL segments.
,	2. Use of this data	element is REQUIRED.
	Refer to 003060 D	ata Element Dictionary for acceptable code values.

Segment:	SPI Specification Identifier
Position:	020
Loop:	SPI
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:	
Notes:	Use this segment to provide identifying reference numbers for the hierarchical level specified in the HL segment and to identify the government security classification or commercial protection level applicable to the referenced item.

	Ref.	Data					
	Des.	Element	Name		Att	tribute	<u>.s</u>
Must Use	SPI01	786	Security Leve		M	D	2/2
				ng the level of confidentiality assigned by the	e send	er to th	ie
			information fo	niowing transaction set is originated by a contractor	;ftha	inform	ation
				v the identified hierarchical level has both a		•	
			-	and a commercial protection requirement, t	-		•
			-	ernment security classification code and the			
			-	le will be carried in SP109. If the item being	-		•
			-	requirement, then this data element can ca	•		
			government se	curity classification code or the commercia	il prote	ction c	ode.
				ransaction set is originated by the governme			
				er the government security classification of			
				uirement code , as applicable, with the gove code taking precedence. In this instance, SF			
			-	it is necessary to indicate that data referen			che
				t is restricted to certified contractors.			
			3 The identify	ed security classification or commercial pr	otectio	n raan	iramant
			•	highest classification of the specified hiera.		-	" cmcm
			06	Supplier Proprietary			
			11	Competition Sensitive			
			90	Government Non-Classified			
			92	Government Confidential			
			93	Government Secret			
	*		94	Government Top Secret			
	SPI02	128		entification Qualifier	X	D	2/3
			Code Qualifying	ng the Reference Identification			
			••	, by a number, an item represented by the h	ierarch	nical le	vel
				e preceding HL segment.			
			7K	List of Materials	- 701	A	נו:ת
				1. Use to indicate a List of Material of Materials (BOM) number. Identij			
				applicable to the LOM or BOM in th			.07
				segment citing either code W7 or ZZ			
				2. Use when HL03 is code SD.			
			7M	Frame			
				1. Use to indicate a drawing sheet fi	ame n	umber.	

841 - Specifications/Technical Information (Pr	ovide Technical I	Information) 2. Use when HL03 is code FR.
-	7P	Sheet
		1. Use to indicate a drawing sheet number.
		2. Use when HL03 is code SH.
7	7Q	Engineering Change Order
		1. Use to indicate an Engineering Change Order number.
		2. Use when HL03 is code SD.
8	39	Assembly Number
		Use when HL03 is code A.
9	90	Subassembly Number
		Use when HL03 is code U.
ç	97	Package Number
		1. Use to indicate a Technical Information Package (TIP).
		2. Use when HL03 is code I.
0	CT	Contract Number
	-	Use when HL03 is code IB.
г	DD	Document Identification Code
-		When HL03 is code 26 or RP, use to indicate the
Т	DG	number assigned to the deliverable or portion/section of the deliverable. The identifying number for an award instrument deliverable is the Exhibit Line Item Number (ELIN) that requires the deliverable. If necessary, cite the name of the deliverable in SPI04. Drawing Number
		1. Use when HL03 is code DG. Identify the contractor applicable to the drawing in the 2/REF/080 segment citing either code W7 or ZZ in REF01.
		2. When used, there must be at least one 2/REF/080 segment with REF01 citing code KV.
F	ŦF	Engineering Data List
		1. Use to indicate a Engineering Data List (EDL) number. Identify the manufacturer applicable to the EDL in the 2/REF/080 segment using code W7 or ZZ in REF01.
		2. Use when HL03 is code ED.
L	Х	Item Number
		1. Use to indicate the number of a component.
7	S	2. Use when HL03 is code F. Solicitation
		1. Use to indicate the solicitation technical data package number.
		2. Use when HL03 is code SL.
Ν	ΛU	Military Specification (MILSPEC) Number
		Use when HL03 is code SD.
Ν	11	Military Standard (MIL-STD) Number
		Use when HL03 is code SD.

		NTT	Total Design AND 1			
		NJ	Technical Document Number	1. • .	,	,
			1. Use to indicate the number of a tec	nnice	ai man	ual.
		S3	2. Use when HL03 is code SD. Specification Number			
			1. Use to indicate a contractor specific Identify the contractor in the 2/REF/08 code W7 or ZZ in REF01.			
		vw	2. Use when HL03 is code SD. Standard			
			1. Use to indicate a contractor standa Identify the contractor in the 2/REF/08 either code W7 or ZZ in REF01.			citing
		W2	2. Use when HL03 is code SD. Weapon System Number			
			1. Use to indicate the number of a system	tem.		
		WF	2. Use when HL03 is code SY. Locally Assigned Control Number			
			Use to indicate another type of list, e.g that comprise a network. Use only if a HL03 is code SD. Identify the name of	ppro	priate	when
		ZS	Software Application Number			
			1. Use to indicate a software applicati applicable, identify the contractor app software application in the 2/REF/080 either code W7 or ZZ in REF01.	licab	le to th	
		ZZ	2. Use when HL03 is code SD. Mutually Defined			
			1. Use to indicate another type of refer associated with any other code. When or name must be cited in SP103. SP104 if necessary, to further identify the refe	used 4 sho	d, a nur uld be	nber used,
			2. This code will typically be used whe ZZ.	en H	L03 is a	code
SPI03	127	Reference Iden		x	AN	1/30
			mation as defined for a particular Transactio Reference Identification Qualifier	n Se	t or as	
SPI04	790	Entity Title		0	AN	1/132
		Title of the data	is code ZZ, use to identify, by name, the item	ann	licable	to the
		hierarchical lev	•• •	-PP		
		2. If necessary, cited in SP103.	use to identify the noun name applicable to	any i	item nu	ımber
SP106	792	Entity Status C	Code	0	D	1/1
		data item	the current status of the data item specified	•		
		1 When SPI02	is code DD, use to identify the status of a de	liver	able or	rofa
			of the deliverable.			5
		portion/section				

786

Α

J

1. When SPI02 is code DD use to indicate a final deliverable.

2. When SPI02 is code DG, use to indicate a current approved drawing.

Proposed

Approved Version

1. When SPI02 is code DD, use to indicate a draft deliverable.

2. When SPI02 is code DG, use to indicate a proposed drawing.

SPI09

Security Level Code

ID 2/2

0

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

1. When the transaction set is originated by a contractor, use this data element ONLY when SP101 is Code 92, 93, or 94 and the information also has a commercial protection requirement.

2. The identified commercial protection level represents the highest classification of the specified hierarchical level.

3. When the transaction set is originated by the government, this data element may cite only code 99, if applicable.

06	Supplier Proprietary
	This code is used only by a contractor.
11	Competition Sensitive
	This code is used only by a contractor.
99	Government Defined (Trading Partner Level)
	1. Use to indicate that information referenced in this transaction set is restricted to certified contractors.

2. This code is used only by the government.

Segment:	RD7	Revision Date/	Гіте				
Position:	030						
Loop:	SPI						
Level:	Detail						
Usage:	Optional						
Max Use:	>1						
Purpose:	To specif	fy the revision level	of the electronic data item				
Syntax Notes:	-		en RDT02 is required.				
		DT03 is present, the	en at least one of RDT04 or RDT05 is	s required			
	3 If R	DT06 is present, the	en RDT05 is required.				
emantic Notes:							
Comments:							
Notes:			tify a revision or a version of the date				
			ns are being requested and they canne				
			e, use as many repetitions of the RDT	segment of	as requ	ired t	
	identify t	hem.					
		Data Ele	ment Summary				
Ref.	Data						
Des.	Element	Name		Att	ribute	s	
RDT01	795	Revision Level C	ode	0	ID	- 1/1	
		Code indicating th	ne revision or engineering change leve	el of the d	ata iter	ms	
			specification number				
		E	Revision Level				
			Use, if applicable, to indicate a re	vision of	anv		
			document, e.g., drawing, standard	•	•	etc.	
		Н	Version Level	, - <u>r</u> - j -			
			Use when SPI02 is code ZS.				
RDT02	796	Revision Value		x	AN	1/30	
100100			eering change level of the data items				
		specification num			J UJ UI	C	
		Specification num			m	3/3	
RDT03	374			0		-,-	
RDT03	374	Date/Time Quali	fier	0 ime	D		
RDT03	374	Date/Time Quali Code specifying t	fier ype of date or time, or both date and 1		ш		
RDT03	374	Date/Time Quali	fier ype of date or time, or both date and t Revision	ime	ш		
RDT03	374	Date/Time Quali Code specifying t 171	fier ype of date or time, or both date and t Revision Use to indicate the date of the rev	ime	Ш		
RDT03	374	Date/Time Quali Code specifying t	fier ype of date or time, or both date and t Revision	ime	Ш		
RDT03	374	Date/Time Quali Code specifying t 171	fier ype of date or time, or both date and t Revision Use to indicate the date of the rev	ime ision.		ration	
RDT03	374	Date/Time Quali Code specifying t 171	fier ype of date or time, or both date and t Revision Use to indicate the date of the rev Production	ime ision.		ration	
RDT03	374	Date/Time Quali Code specifying t 171	fier ype of date or time, or both date and t Revision Use to indicate the date of the rev Production When SP102 is code HF, use to indicate	ime ision.		ration	
RDT03	374	Date/Time Quali Code specifying ty 171 405	fier ype of date or time, or both date and t Revision Use to indicate the date of the rev Production When SP102 is code HF, use to indicate of an EDL.	ime ision. dicate the		ration	
RDT03 RDT04	374	Date/Time Quali Code specifying ty 171 405	fier ype of date or time, or both date and the Revision Use to indicate the date of the rev Production When SPI02 is code HF, use to inter- date of an EDL. Version	ime ision. dicate the		ration 6/6	

MSG Message Text
050
SPI
Detail
Optional
>1
To provide a free-form format that allows the transmission of text information
1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

Notes: 1. Use this segment to transmit information applicable to a specific data item.

2. When transmitting an EDL, if the data item on the EDL is not available from the government, use this segment to provide that information and to identify, if known, where the item can be obtained.

3. Do not use this segment to provide specifications, standards, manuals, instructions, lists, SOWs or any other type of technical information that can be provided in the BIN segment.

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

Segment:	REF Reference Identification
Position:	080
Loop:	REF
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	1. Use to identify reference numbers applicable to the item specified in SP102/03.

2. When SPI02 is code DG, use of this segment is REQUIRED with REF01 citing code KV.

	Ref.	Data	Nome		A 44-*B-114-1			
Must Use	<u>Des.</u> REF01	Element 128	Name Reference Idea	tification Qualifiar	<u>Attributes</u> M ID 2/3			
must use	KEF01	120	Reference Identification QualifierM ID 2/3Code Qualifying the Reference Identification					
			2M	Federal Communications Con	nmission (FCC) Identifier			
				Use to indicate a circuit num	ber.			
			7S	Drawing Type				
			C7	Use to indicate a type of draw interpretation, installation, et drawing in REF03 Contract Line Item Number				
			07	Use to indicate a line item in	aithan a contract or a			
			F3	solicitation. Submission Number	enner a contract or a			
			15	When SPI02 is code DD, use number of the deliverable, e.g applicable.				
			GO	Exhibit Identifier				
			KV	When SP102 is code DD, use letter to which the deliverable Distribution Statement Code				
				Use to indicate the Distribution required on all drawings.	on Statement Code that is			
			L6	Subcontract Line Item Number	er			
			NS	Use to indicate a sub line iten solicitation. National Stock Number	n in either a contract or a			
				Reference Drawing Number				
			QZ	Use to indicate the reference . Engineering Data List (EDL).	-			
			W7	Commercial and Government When SP102 is code 7K, DG,	Entity (CAGE) Code			
			ZZ	indicate the CAGE code of the to the document. Mutually Defined				
				When SPI02 is code 7K, DG, indicate the DUNS number of applicable to the document.				
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841 - Specifications/Techn	ical Informa	ation (Provide Technical Information)			
REF02	127	Reference Identification	X	AN	1/30
		Reference information as defined for a particular Transactic specified by the Reference Identification Qualifier	n Set	t or as	
REF03	352	Description	X	AN	1/80
		A free-form description to clarify the related data elements	and tl	heir co	ntent
		When REF01 is code 7S, use to identify the type of drawing.			

Segment:	EFI Electronic Format Identification
Position:	140
Loop:	EFI
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To provide basic information about the electronic format of the interchange data
Syntax Notes:	1 If EFI05 is present, then EFI04 is required.
	2 If EFI07 is present, then EFI06 is required.
	3 If EFI09 is present, then EFI08 is required.

4 If either EFI15 or EFI16 is present, then the other is required.

Semantic Notes: Comments:

Notes:

Use this segment to provide information applicable to data being transmitted in the BIN segment or to identify the media and format in which a document is available.

	D of					
	Ref.	Data	**	• • •		
De la Tra	Des.	Element	<u>Name</u>		ribute	
Must Use	EFI01	786	Security Level Code Code indicating the level of confidentiality assigned by the information following 1. The security level code specified here relates to the spec	sende		
			provided in the BIN segment.	ijic dii	iury a	114
			2. The security code provided for the binary data being transegment is the highest protection level assigned to the data both a government security classification and a commercial requirement, the government security classification takes provided in this data element.	. If the	e data rity pro	have otection
			06 Supplier Proprietary			
			11 Competition Sensitive			
			90 Government Non-Classified			
			92 Government Confidential			
			93 Government Secret			
			94 Government Top Secret			
]	EFI02	933	Free-Form Message Text	0	AN	1/264
			Free-form message text			
			1. When an Engineering Data List (EDL) is being provide transaction set, use to identify the media in which the data EDL is available. Use only the following words:			the
			CARD to indicate data is only available on an apertur DIGIT to indicate the data is available as a digital file provided on a CD-ROM or transmitted over the architecture	that c	an be	•k
			PAPER to indicate the data is only available in hard cop	y form	1	
			2. When identifying the media in which data is being provi following words:	ded, u	se only) the
			NETto indicate transmission via the DoD networkCD-ROMto indicate data provided on CD-ROM and deCARDto indicate an aperture card is being providedPAPERto indicate the data is being provided in hard de	livere by ma	d by m il	ail
1	EFI04	799	Version Identifier	X	AN	1/30
			Revision level of a particular format, program, technique of	r algor	ithm	

841 -	Specifications/	Technical Inf	ormation (Provide	e Technical Information	0
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cincations/ 1 ec	chnical informa	ation (Provide 1e	conical information)			
		Use to specif	fy the version, e.g., 2.0, 3.2, etc., of the	program bein	ng usea	l to
		create the da	ata transmitted in the following BIN set	gment. This a	lata ele	ment
		pertains to th	he program identifier specified in EFIC	05.		
EFI05	802	Program Ide	entifier	0	AN	1/30
		Identifies the	e name of the software program from v	which the tech	nical d	ata
		originates				
		Use to specif	fy the application software program us	sed to create the	he data	being
		transmitted in	n the following BIN segment, e.g., Tru	ckCad, Class	3Cad, e	etc.
EFI06	799	Version Iden	ntifier	X	AN	1/30
		Revision leve	el of a particular format, program, tech	inique or algo	rithm	
		Use to identij	fy the specific version of the interchan	ge standard u	sed to	
		transmit the d	data in the following BIN segment. Th	nis data eleme	nt pert	ains to
		the interchan	ge format specified in EF107.		-	
EFI07	801	Interchange		0	AN	1/30
		Industry or p	roprietary standard used to identify the	e format of the	e data	
		Use to identia	fy the format in which the item is avail	lable or is bein	ng tran	smitted.
			ta format is one of the formats in the fo			
			ode. Other values may be used only if			ween
		the trading p	artners.			
		CODE	FORMAT			
		ANSI	ANSI Text - (entire ANSI charac	ter set))		
		ASCII	ASCII TEXT - (letters and nume			
		BMP	Windows Bitmap			
		C4	JEDMICS proprietary format			
		dBASE	Borland dBASE			
		EXCEL	Microsoft Excel			
		GIF	Graphics Interchange Format			
		Harvard	Software Publishing Company H	larvard Graph	iics	
		HTML	HyperText Markun Language			

Harvard	Software Publishing Company Harvard Graphics
HTML	HyperText Markup Language
ISO-10918	Joint Photographics Expert Group (JPEG) - Lossy
	compression of photographic images
KODAK	Kodak Photo-CD format
LOTUS	Lotus 123
MAC	MacIntosh Apple Application Program
MSDOS	Microsoft DOS Application Program
MIL-D-28000	IGES format
MIL-R-28001	SGML
MIL-R-28002	CALS/Raster format
MIL-D-28003	Computer Graphics Metafile (CGM)
ISO-11172	Motion Pictures Experts Group (MPEG) - Lossy
	compression of video
PDES	Product Data Exchange Standard - STEP
PDF	Adobe Portable Document Format
PPOINT	Microsoft Powerpoint
PROJECT	Microsoft Project
RTF	Rich Text Format
TIFF	Tagged Interchange File Format
WINDOWS	Microsoft Windows Application Program
WORD	Microsoft Word
WORDP	Novell WordPerfect

EFI08

799 Version Identifier

X AN 1/30

Revision level of a particular format, program, technique or algorithm Use to identify the version of the program used to compress the data

841 - Specif	ications/Technical	l Informa	tion (Provide Technical Information)			
			transmitted in the following BIN segment. This data elemen compression technique program specified in EF109.	t per	tains te	o the
	EFI09	800	Compression Technique	0	AN	1/30
			Identifies the digital data compression means and the type			
	EVE140	700	Use to identify the compression method, if any, applied to the in the following BIN segment. Examples include TR, Moyer,	Fish	, PKZ	P, etc.
	EFI10	789	Drawing Sheet Size Code	0	AN	
			 Code indicating the drawing size and orientation of a technic specified and described in the current version of standards A ISO 5457 (E); see the listed ANSI and ISO standards for the for rolled sheets * 1. Use to specify the drawing sheet size. 2. Use any code. Refer to 003060 Data Element Dictionary for acceptable code 	NSI max	Y14.1 cimum	and
	EFI11	803	File Name	0	AN	1/64
			Name assigned or declared for a file or used by a program to exact format of the name depends on the computer operating used; name also may be known as the file's "data set name" Format of the file name must conform to ISO 9660 standard character file name followed by a 3 character extension with Leading spaces are not passed).	g syst , i.e.,	tem be 8.3 fo	ing rmat (8
	EFI13	787	Record Length	0	Ν	1/15
			Quantity of characters or bytes in a record. Synonyms are "I length" and "record size" Use to identify the size of a file.	ogica	al recon	ď

Segment:	BIN Binary Data
Position:	160
Loop:	EFI
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To transfer binary data in a single data segment and allow identification of the end of the data segment through a count; there is no identification of the internal structure of the binary data in this segment
Syntax Notes:	
Semantic Notes: Comments:	

Data Element Summary

Ref.	Data				
Des.	Element	Name	Att	Attributes	
BIN01	784	Length of Binary Data	Μ	NO	1/15
		The length in integral octets of the binary data			
		When SP102 is code HF, cite the number one (1) to comply a nature of this data element.	with 1	the ma	ndatory
BIN02	785	Binary Data	Μ	В	1/1
		FF			
		mandatory nature of this data element.			
	<u>Des.</u> BIN01	<u>Des.</u> <u>Element</u> BIN01 784	Des. BIN01Element 784Name Length of Binary Data The length in integral octets of the binary data When SP102 is code HF, cite the number one (1) to comply to nature of this data element.BIN02785Binary Data 	Des. BIN01Element 784Name Length of Binary DataAttra MThe length of Binary DataThe length in integral octets of the binary dataWhen SPI02 is code HF, cite the number one (1) to comply with a nature of this data element.BIN02785Binary DataM A string of octets which can assume any binary pattern from hexa FF When SPI02 is code HF, cite the number zero (0) to comply with	Des. BIN01Element 784Name Length of Binary Data The length in integral octets of the binary data When SPI02 is code HF, cite the number one (1) to comply with the main nature of this data element.Attribute M NOBIN02785Binary Data A string of octets which can assume any binary pattern from hexadecime FF When SPI02 is code HF, cite the number zero (0) to comply with the

-

	Segment:	SE T	ransaction Set Trailer					
	Position:	010						
	Loop:							
	Level:	Summary						
	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)						
-	tax Notes: ntic Notes:			/				
(Comments:	1 SE i	s the last segment of each transaction set.					
			Data Element Summary					
	Ref.	Data						
	Des.	Element	Name	Att	ributes			
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set inclu segments	M Iding	N0 ST and	1/10 I SE		
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the tr functional group assigned by the originator for a transaction <i>Cite the same number carried in ST02.</i>		AN ction se	4/9 et		
			Che me sume number curried in 5102.					

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