NIST Special Publication 881-52

Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003040 Transaction Set 836 Contract Award (Revision 1)

Implementation Convention

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

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[1] At Boulder, CO 80303.
[2] Some elements at Boulder, CO.

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

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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.

836 Contract Award

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Contract Award Transaction Set (836) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by the buyer to notify the seller or other interested parties of the award of a contract which contains some indefinite features, such as delivery schedule, location, and/or quantities. This transaction set is intended to be the notification of the award of a requirements type of contract.

Notes:

1. Federal Agencies use this transaction set to announce the award of a contract or order. This notification will be publicly available to all interested parties and will provide the name of the party awarded the contract or order and the price of the line items. Item or service descriptions may be provided in the transaction set in order to assist in identifying subcontract opportunities.

2. Use a single occurrence of this transaction set to announce the award of one contract/order to a single vendor resulting from one or more solicitations.

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	BCO	Beginning Segment For Contract Award	M	1		
Not Used	021	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
Not Used	022	CTB	Restrictions/ Conditions	O	5		
Not Used	023	CTP	Pricing Information	O	25		
Not Used	024	FOB	F.O.B. Related Instructions	O	1		
			LOOP ID - N1			>1	
Must Use	025	N1	Name	O	1		
	026	N2	Additional Name Information	O	2		
Not Used	027	N3	Address Information	O	2		
	028	N4	Geographic Location	O	1		
Not Used	029	REF	Reference Numbers	O	>1		
Not Used	030	PER	Administrative Communications Contact	O	>1		
Not Used	031	FOB	F.O.B. Related Instructions	O	1		
			LOOP ID - PO1			>1	
Must Use	035	PO1	Baseline Item Data	M	1		
Not Used	040	PO3	Additional Item Detail	O	>1		
Not Used	050	CTP	Pricing Information	O	>1		
Not Used	060	PID	Product/Item Description	O	>1		
Not Used	070	MEA	Measurements	O	>1		
Not Used	080	PWK	Paperwork	O	>1		
	090	REF	Reference Numbers	O	>1		
Not Used	100	PER	Administrative Communications Contact	O	>1		
Not Used	101	ITD	Terms of Sale/Deferred Terms of Sale	O	1		

	102	DTM	Date/Time Reference	O	10
Not Used	103	CTB	Restrictions/ Conditions	O	1

LOOP ID - SLN					>1
Not Used	110	SLN	Subline Item Detail	O	1
Not Used	120	PID	Product/Item Description	O	>1

LOOP ID - N1					>1
Not Used	130	N1	Name	O	1
Not Used	140	N2	Additional Name Information	O	2
Not Used	150	N3	Address Information	O	2
Not Used	160	N4	Geographic Location	O	1
Not Used	170	REF	Reference Numbers	O	>1
Not Used	180	PER	Administrative Communications Contact	O	>1
Must Use	190	SE	Transaction Set Trailer	M	1

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		
			836 X12.54 Contract Award		
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		
			This unique control number is assigned by the originator of the transaction set or by the originator's application program. This same number is carried in SE02.		

	Segment:	**BCO** Beginning Segment For Contract Award
	Position:	020
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the beginning of the Contract Award Transaction Set and to transmit identifying numbers and dates.
	Syntax Notes:	
	Semantic Notes:	1 BCO04 is the contract number.
		2 BCO06 is the contract beginning date.
		3 BCO07 is the contract expiration date.
	Comments:	

Data Element Summary

Must Use	Ref. Des.	Data Element	Name	Attributes
Must Use	BCO01	353	**Transaction Set Purpose Code** Code identifying purpose of transaction set	M ID 2/2

		00	Original
		01	Cancellation
		07	Duplicate

Use to indicate the re-transmission of a previously transmitted award announcement.

Must Use	BCO02	586	**Request for Quote Reference Number** Number assigned by the purchaser to identify his request for quote	M AN 1/45

Use to identify the solicitation number (IFB, RFP, or RFQ) that is applicable to all the line items awarded. If there was no solicitation, cite the letter N. If there were multiple solicitations resulting in the award, cite the letter M in this data element and identify the various solicitations in the 1/REF/090 segment.

Must Use	BCO03	652	**Request Quotation Control Date** Date to be used for reference purposes in an RFQ and a response to RFQ.	M DT 6/6

Use to identify the date of the solicitation (IFB, RFP, or RFQ) that resulted in this award. If there was no solicitation or there were multiple solicitations resulting in the award, enter six zeros (000000). When there were multiple solicitations resulting in the award, cite the date of each solicitation in the 1/DTM/102 segment.

Must Use	BCO04	127	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	M AN 1/30

1. Use to identify the number of the contract or order awarded.

2. If the award was for a contract or purchase order, cite the number of the awarded instrument (i.e., the PIIN).

3. If the award was for a delivery order, call or release against a basic contract, cite a concatenation of the basic contract number and the order number (i.e., the PIIN and SPIIN).

4. If the award was a modification of an existing contract/order, cite a concatenation of the existing contract/order number and the modification number.

Not Used	BCO05	846	**Contract Status Code**	O ID 2/2

Code designating the current status of the contract

Must Use	BCO06	373	**Date**	O	DT 6/6

Date (YYMMDD)

Use to indicate the date of award of the cited contract or order.

Not Used	BCO07	373	**Date**	O	DT 6/6

Date (YYMMDD)

Not Used	BCO08	587	**Acknowledgment Type**	O	ID 2/2

Code specifying the type of acknowledgment

Must Use	BCO09	128	**Reference Number Qualifier**	O	ID 2/2

Code qualifying the Reference Number.

      TN   Transaction Reference Number

Use to indicate a unique number assigned by the originator to identify this transaction set.

Must Use	BCO10	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.

	Segment:	**N1** Name
	Position:	025
	Loop:	N1 Optional (Must Use)
	Level:	Heading
	Usage:	Optional (Must Use)
	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:	*Use 2 iterations of this segment to identify the entity awarded the contract/order and the buying party.*

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 buying office.	
			SE Selling Party	
			Use to indicate the entity awarded the contract/order.	
	N102	93	**Name**	X AN 1/35
			Free-form name	
			When N101 is code SE, use to identify the entity awarded the contract/order.	
	N103	66	**Identification Code Qualifier**	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			When N101 is code BY, use to identify the entity awarding the contract/order.	
			1 D-U-N-S Number, Dun & Bradstreet	
			Use of the DUNS or DUNS+4 number is preferred over any other coded number to identify a named party.	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			Use of the DUNS or DUNS+4 number is preferred over any other coded number to identify a named party.	
	N104	67	**Identification Code**	X AN 2/17
			Code identifying a party or other code	
Not Used	N105	706	**Entity Relationship Code**	O ID 2/2
			Code describing entity relationship	
Not Used	N106	98	**Entity Identifier Code**	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	

.

Segment:	**N2** Additional Name Information
Position:	026
Loop:	N1 Optional (Must Use)
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:	*Use this segment only if entity name cited in N102 is longer than 35 characters.*

Data Element Summary

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

Segment:	**N4** Geographic Location
Position:	028
Loop:	N1 Optional (Must Use)
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:	*When N101 is code SE, this segment is REQUIRED to identify the geographic area where the entity awarded the contract/order is located.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Not Used	N401	19	**City Name**	O	AN 2/30
			Free-form text for city name		
Not Used	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 3/9
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
			Required when an award was made to a United States Company.		
	N404	26	**Country Code**	O	ID 2/3
			Code identifying the country		
			Use only when an award is made to a selling party outside of the United States.		
Not Used	N405	309	**Location Qualifier**	X	ID 1/2
			Code identifying type of location		
Not Used	N406	310	**Location Identifier**	O	AN 1/30
			Code which identifies a specific location		

Segment: $PO1$ Baseline Item Data

Position:	035
Loop:	PO1 Mandatory
Level:	Heading
Usage:	Mandatory
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 PO106 is present, then PO107 is required.
4. If PO108 is present, then PO109 is required.
5. If PO110 is present, then PO111 is required.
6. If PO112 is present, then PO113 is required.
7. If PO114 is present, then PO115 is required.
8. If PO116 is present, then PO117 is required.
9. If PO118 is present, then PO119 is required.
10. If PO120 is present, then PO121 is required.
11. If PO122 is present, then PO123 is required.
12. If PO124 is present, then PO125 is required.

Semantic Notes:

Comments:
1. See the Data Dictionary for a complete list of ID's.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes:
1. Use to identify award data for a line item in the cited solicitation.

2. Use multiple iterations as needed to identify multiple line items. Each iteration will identify only one line item.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	PO101	350	Assigned Identification	O	AN 1/11

Alphanumeric characters assigned for differentiation within a transaction set

Use to indicate the line item number contained in the solicitation.

Must Use	PO102	330	Quantity Ordered	X	R 1/9

Quantity ordered

Cite the total awarded quantity of the line item awarded, not the solicited quantity.

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

1. Use any code.

2. Cite the unit of measure for the awarded quantity identified in the 850 transaction set.

Refer to 003040 Data Element Dictionary for acceptable code values.

Must Use	PO104	212	Unit Price	X	R 1/14

Price per unit of product, service, commodity, etc.

1. Use to indicate the award price of the line item.

2. When PO105 is code NC or NQ cite the number "0".

	PO105	639	Basis of Unit Price Code	O	ID 2/2

Code identifying the type of unit price for an item

Any code may be used, but the listed codes are preferred.

ES   Estimated
NC   No Charge
NQ   No Quote
Use to indicate the item is Not Separately Priced.

PV   Provisional Price
Use to indicate a price that includes the use of government furnished property (GFP).
Refer to 003040 Data Element Dictionary for acceptable code values.

| Must Use | PO106 | 235 | **Product/Service ID Qualifier** | | O | ID 2/2 |

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

1. Use any code.

2. As a minimum, there must be one occurrence of a DE235/234 pair citing either code CN or SV. Other listed codes may be used to further identify the line item. Code values must correspond to those used for the corresponding line item in the cited contract/order.
Refer to 003040 Data Element Dictionary for acceptable code values.

| Must Use | PO107 | 234 | **Product/Service ID** | | X | AN 1/30 |

Identifying number for a product or service

| | PO108 | 235 | **Product/Service ID Qualifier** | | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003040 Data Element Dictionary for acceptable code values.

| | PO109 | 234 | **Product/Service ID** | | X | AN 1/30 |

Identifying number for a product or service

| | PO110 | 235 | **Product/Service ID Qualifier** | | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003040 Data Element Dictionary for acceptable code values.

| | PO111 | 234 | **Product/Service ID** | | X | AN 1/30 |

Identifying number for a product or service

| | PO112 | 235 | **Product/Service ID Qualifier** | | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003040 Data Element Dictionary for acceptable code values.

| | PO113 | 234 | **Product/Service ID** | | X | AN 1/30 |

Identifying number for a product or service

| | PO114 | 235 | **Product/Service ID Qualifier** | | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003040 Data Element Dictionary for acceptable code values.

| | PO115 | 234 | **Product/Service ID** | | X | AN 1/30 |

Identifying number for a product or service

| | PO116 | 235 | **Product/Service ID Qualifier** | | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003040 Data Element Dictionary for acceptable code values.

| | PO117 | 234 | **Product/Service ID** | | X | AN 1/30 |

Identifying number for a product or service

| | PO118 | 235 | **Product/Service ID Qualifier** | | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003040 Data Element Dictionary for acceptable code values.

PO119	**234**	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

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

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003040 Data Element Dictionary for acceptable code values.

PO121	**234**	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

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

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003040 Data Element Dictionary for acceptable code values.

PO123	**234**	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

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

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003040 Data Element Dictionary for acceptable code values.

PO125	**234**	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

Segment:	**REF** Reference Numbers
Position:	090
Loop:	PO1 Mandatory
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 this 1/REF/090 segment when the solicitation varies by awarded line item. When the solicitation is the same for all of the awarded line items, cite the solicitation number in BCO02.*

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.

KS   Solicitation

A discreet number assigned by the purchasing activity to differentiate between different solicitations
Use to indicate the solicitation (IFB, RFP, RFQ) that contained the awarded line item.

	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.

Not Used	REF03	352	**Description**	X AN 1/80

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

Segment:	**DTM** Date/Time Reference			

Position:	102
Loop:	PO1 Mandatory
Level:	Heading
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 1/DTM/102 segment to identify the date of the solicitation cited in REF01/02.*

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		

> 993   Request for Quotation
>
> The reference date associated with a specifically numbered request for quotation
>
> *Use to indicate the date of the solicitation (e.g., IFB, RFP, RFQ) cited in REF01/02.*

	Ref. Des.	Data Element	Name	Attributes	
	DTM02	373	**Date**	X	DT 6/6
			Date (YYMMDD)		
Not Used	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)		
Not Used	DTM04	623	**Time Code**	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
	DTM05	624	**Century**	O	N0 2/2
			The first two characters in the designation of the year (CCYY)		
Not Used	DTM06	1250	**Date Time Period Format Qualifier**	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
Not Used	DTM07	1251	**Date Time Period**	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		

Segment:	**SE** Transaction Set Trailer
Position:	190
Loop:	
Level:	Heading
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 as the one carried in ST02.	

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