



# Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003070 Transaction Set 864  
Text Message

Implementation Convention



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

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NO.881-50

1998

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<sup>1</sup>At Boulder, CO 80303.

<sup>2</sup>Some elements at Boulder, CO.

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

## **ASC X12 003070 Transaction Set 864T Text Message (Trading Partner Registration)**

### **Implementation Convention**

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

Editor: Dr. Jean-Philippe Favreau

January 1998



**U.S. DEPARTMENT OF COMMERCE**  
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**National Institute of Standards and Technology Special Publication 881-50**  
**Natl. Inst. Stand. Technol. Spec. Publ. 881-50, 15 pages (Jan. 1998)**  
**CODEN: NSPUE2**

**U.S. GOVERNMENT PRINTING OFFICE**  
**WASHINGTON: 1998**

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



# 864 Text Message

Functional Group ID=**TX**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data content of the Text Message Transaction Set (864) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide users with a capability to electronically move messages, contracts, explanations, and other one-time communications. It is the intent of this transaction set to provide electronic communication (messages) for people, not for computer processing. The use of the transaction set to transmit quasi or unique transaction set standards is discouraged. The use of the Text Message transaction set demands of the sender certain detailed information about the recipient. The transaction set's purpose is to provide communication to the recipient in some human-readable form. The recipient's network will dictate what capabilities are available for delivery of the information. It is the responsibility of the sender to obtain this information and include it in the transmission.

## Notes:

*This implementation of the ANSI ASC X12 864 Transaction Set is used by the Federal Government to provide administrative information concerning trading partner registration in the Central Contractor Registration System.*

## 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	BMG	Beginning Segment For Text Message	M	1		
	030	DTM	Date/Time Reference	O	10		
			LOOP ID - N1			200	
	040	N1	Name	O	1		
Not Used	050	N2	Additional Name Information	O	2		
Not Used	060	N3	Address Information	O	2		
Not Used	070	N4	Geographic Location	O	1		
	080	REF	Reference Identification	O	12		
	090	PER	Administrative Communications Contact	O	3		

## Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - MIT			>1	
Must Use	010	MIT	Message Identification	M	1		
			LOOP ID - N1			200	
Not Used	020	N1	Name	O	1		
Not Used	030	N2	Additional Name Information	O	2		
Not Used	040	N3	Address Information	O	2		
Not Used	050	N4	Geographic Location	O	1		
Not Used	060	REF	Reference Identification	O	12		
Not Used	070	PER	Administrative Communications Contact	O	3		

864T - Text Message (Trading Partner Registration)

Must Use	080	MSG	Message Text	M	100000
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**Summary:**

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
Must Use	010	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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 864 Text Message	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>A unique number assigned to this transaction set for control purposes. Usually assigned by the translation software. This is the same number that appears in the SE02.</i>	M AN 4/9

**Segment:** **BMG** Beginning Segment For Text Message  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of a Text Message Transaction Set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 BMG02 contains the message subject.

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BMG01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	M ID 2/2
			00 Original <i>Use to indicate an original transmittal.</i>	
			01 Cancellation <i>Use to indicate the cancellation of a previously transmitted message text.</i>	
			03 Delete <i>Use to indicate the deletion of a MIT loop from a previous message. When used, identify the previous message in the 1/REF/080 segment and identify the original MIT01 number being deleted in MIT01 of 2/MIT/010 segment. State DELETED in MSG01 of the 2/MSG/080 segment.</i>	
			05 Replace <i>Use to indicate the replacement of a MIT loop from a previous message. When used, identify the previous message in the 1/REF/080 segment and identify the original MIT01 number being replaced in MIT01 of 2/MIT/010 segment.</i>	
			07 Duplicate <i>Use to indicate the re-transmission of a previously transmitted text information.</i>	
	BMG02	352	Description A free-form description to clarify the related data elements and their content <i>Use to provide a brief overall subject of the text message.</i>	O AN 1/80
Not Used	BMG03	640	Transaction Type Code Code specifying the type of transaction	O ID 2/2



**Segment:** **DTM** Date/Time Reference  
**Position:** 030  
**Loop:**  
**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 DTM04 is present, then DTM03 is required.
- 3 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 097 Transaction Creation <i>Use to indicate the date the transaction set was created.</i>	M ID 3/3
Must Use	DTM02	373	<b>Date</b> Date (YYMMDD)	X DT 6/6
Must Use	DTM03	337	<b>Time</b> 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)	X TM 4/8
Not Used	DTM04	623	<b>Time Code</b> 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	O ID 2/2
Must Use	DTM05	624	<b>Century</b> The first two characters in the designation of the year (CCYY)	O N0 2/2
Not Used	DTM06	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format	X ID 2/3
Not Used	DTM07	1251	<b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times	X AN 1/35

**Segment:** **N1** Name  
**Position:** 040  
**Loop:** N1 Optional  
**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.

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual FR Message From TO Message To	M ID 2/3
	N102	93	<b>Name</b> Free-form name <i>Whenever possible, identification and address information should be provided using N101, N103 and N104. Use N102 when the address cannot be provided using one of the codes listed in N103.</i>	X AN 1/60
	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet <i>Use of the DUNS or DUNS+4 number is preferred over any other coded number to identify an entity.</i> 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix <i>Use of the DUNS or DUNS+4 number is preferred over any other coded number to identify an entity.</i>	X ID 1/2
	N104	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/20
Not Used	N105	706	<b>Entity Relationship Code</b> Code describing entity relationship	O ID 2/2
Not Used	N106	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual	O ID 2/3

<b>Segment:</b>	<b>REF</b> Reference Identification
<b>Position:</b>	080
<b>Loop:</b>	N1 Optional
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	12
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 REF04 contains data relating to the value cited in REF02.
<b>Comments:</b>	
<b>Notes:</b>	<ol style="list-style-type: none"> <li>1. Use to identify a transaction set to which the text message applies.</li> <li>2. Use also to provide a unique reference number for this transaction set.</li> <li>3. There must be at least 2 occurrences of this REF segment with code TN and ME cited in REF01 to identify the unique reference number of the transaction set to which this message applies and to identify this transaction set.</li> </ol>

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification  ME Message Address or ID  <i>Use to indicate the unique reference number of this transaction set. When this 864 transaction set refers to another 864 transaction set, use another iteration of the REF segment with code TN to identify the other 864 transaction set.</i>  TN Transaction Reference Number  <i>Use to indicate the unique reference number of the transaction set to which this text message applies. Cite the reference number in the REF02 and identify the transaction set in REF03.</i>	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>When transmitting the unique reference number of an 838 transaction set, cite the number in the BTP02 of the 838 transaction set.</i>	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content <i>Use to identify the transaction set applicable to the unique reference number cited in REF02, e.g. 810 Invoice (Commercial Invoice) transaction set, 838 Trading Partner Profile (Registration) transaction set, etc.</i>	X AN 1/80
Not Used	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30



Not Used	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
Not Used	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30



**Segment:** **PER** Administrative Communications Contact  
**Position:** 090  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**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:**

## Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named IC Information Contact <i>Use to indicate a point of contact for this transaction set.</i>	M ID 2/2
	PER02	93	<b>Name</b> Free-form name <i>Cite the last name followed by the first name. Do not truncate the last name if the whole is greater than 60 characters. Instead, truncate the first name or use the initial of the first name.</i>	O AN 1/60
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number <i>2. When PER03 = " TE " or " FX ", PER 04 should be formatted as : (XXX) XXX-XXXX.</i>	X ID 2/2
		AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		ED	Electronic Data Interchange Access Number	
		EM	Electronic Mail	
		FX	Facsimile	
		IT	International Telephone	
		TE	Telephone <i>Include country code.</i> <i>Use to indicate the commercial telephone number of the named party.</i>	
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80
	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number <i>2. When PER05 = " TE " or " FX ", PER 06 should be formatted as : (XXX) XXX-XXXX.</i>	X ID 2/2
		AU	Defense Switched Network	

			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)
		ED	Electronic Data Interchange Access Number
		EM	Electronic Mail
		FX	Facsimile
		IT	International Telephone
			<i>Include country code.</i>
		TE	Telephone
			<i>Use to indicate the commercial telephone number of the named party.</i>
	<b>PER06</b>	<b>364</b>	<b>Communication Number</b> <b>X</b> <b>AN 1/80</b>
			Complete communications number including country or area code when applicable
<b>Not Used</b>	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b> <b>X</b> <b>ID 2/2</b>
			Code identifying the type of communication number
<b>Not Used</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b> <b>X</b> <b>AN 1/80</b>
			Complete communications number including country or area code when applicable
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b> <b>O</b> <b>AN 1/20</b>
			Additional reference number or description to clarify a contact number

**Segment:** **MIT** Message Identification  
**Position:** 010  
**Loop:** MIT Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify the beginning of a specific message and to allow the identification of a subject for the message

**Syntax Notes:**

**Semantic Notes:** 1 MIT01 contains the message number.

2 MIT02 contains the message subject.

**Comments:** 1 MIT03 default is 80 characters.

2 MIT04 default is 66 lines.

**Notes:** *Use this segment to identify a more detailed subject of this text message.*

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MIT01	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>1. A unique number assigned by the originator of the message to identify multiple messages contained within this transaction set. For example, the number 001 can be used to refer to a message with the subject Packing Requirements, cited in MIT02 and the number 002 can be used in another iteration of this MIT segment to identify a second message with the subject Testing Procedures.</i> <i>2. When BMG01 is code 03 or 05, cite the original MIT01 number used in the previous message.</i>	M AN 1/30
	MIT02	352	<b>Description</b> A free-form description to clarify the related data elements and their content <i>Use to provide a more detailed subject of the message.</i>	O AN 1/80
Not Used	MIT03	931	<b>Page Width</b> Definition of the maximum number of characters per line that can be expected in the message text	O N0 1/3
Not Used	MIT04	932	<b>Page Length Lines</b> Definition of the maximum number of lines per page that can be expected in the message text	O N0 1/3

**Segment:** **MSG** Message Text  
**Position:** 080  
**Loop:** MIT Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 100000  
**Purpose:** To provide a free-form format that allows 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 full 264 character capability of data element 933 (MSG01) unless specifically advised by the trading partner to limit length of any one iteration of the segment to 80 characters.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
			<i>When BMG01 is code 03, cite DELETED.</i>	
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer	O ID 2/2



**Segment:** **SE** Transaction 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)

**Syntax Notes:**

**Semantic Notes:**

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

#### Data Element Summary

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



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