



Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003040 Transaction Set 864
Text Message (Revision 1)

Implementation Convention



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

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¹At Boulder, CO 80303.

²Some elements at Boulder, CO.

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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.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BMG	Beginning Segment For Text Message	M	1		
	030	DTM	Date/Time/Period	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 Numbers	O	12		
	090	PER	Administrative Communications Contact	O	3		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						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 Numbers	O	12		
Not Used	070	PER	Administrative Communications Contact	O	3		
Must Use	080	MSG	Message Text	M	100000		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and 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>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 864 X12.34 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 Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **DTM** Date/Time/Period
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 either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier 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
	DTM02	373	Date Date (YYMMDD)	X DT 6/6
Not Used	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	DTM04	623	Time Code 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 Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	DTM05	624	Century The first two characters in the designation of the year (CCYY)	O N0 2/2
Not Used	DTM06	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 003040 Data Element Dictionary for acceptable code values.	X ID 2/3
Not Used	DTM07	1251	Date Time Period 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

Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual FR Message From TO Message To	M ID 2/2
	N102	93 Name 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 1/35
	N103	66 Identification Code Qualifier 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> 10 Department of Defense Activity Address Code (DODAAC) <i>Use when a Federal Agency is known only by its DoDAAC or Civilian Agency Activity address Code when N101 cites either code FR or TO. Use of the DUNS or DUNS+4 number is preferred.</i> 33 Commercial and Government Entity (CAGE) <i>Use when a commercial or government entity cannot be identified by a DUNS or DUNS+4 number.</i>	X ID 1/2
	N104	67 Identification Code Code identifying a party or other code	X AN 2/17
Not Used	N105	706 Entity Relationship Code Code describing entity relationship Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **REF** Reference Numbers
Position: 080
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:
Notes:

1. Use to identify a transaction set to which the text message applies.
2. Use also to provide a unique reference number for this transaction set.
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.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
		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>	
		W7 Commercial and Government Entity (CAGE) Code Code that identifies a commercial contractor authorized to do business with the U.S. Government <i>Use, as applicable, to identify the code of a party other than a Federal Agency, either originating or receiving the text message.</i>	
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
		<ol style="list-style-type: none"> 1. When transmitting the unique reference number of an 810 transaction set, cite the number in BIG02 of the 810 transaction set. 2. When transmitting the unique reference number of an 820 transaction set, cite the number in the TRN02 of the 820 transaction set that is qualified by code 1 in TRN01. 3. When transmitting the unique reference number of an 824 transaction set, cite the number in the BGN02 of the 824 transaction set. 4. When transmitting the unique reference number of an 832 transaction set, cite the number in the BCT02 of the 832 transaction set. 5. When transmitting the unique reference number of an 836 transaction set, cite the number in the BCO10 of the 836 transaction set. 	

- 6. *When transmitting the unique reference number of an 838 transaction set, cite the number in the BTP02 of the 838 transaction set.*
- 7. *When transmitting the unique reference number of an 840 transaction set, cite the number in the BQT02 of the 840 transaction set.*
- 8. *When transmitting the unique reference number of an 841 transaction set, cite the number in the SPI02 of the 841 transaction set.*
- 9. *When transmitting the unique reference number of an 843 transaction set, cite the number in the REF02 (1/REF/050) of the 843 transaction set that is qualified by code PR in REF01.*
- 10. *When transmitting the unique reference number of an 850 transaction set, cite the number in BEG03 of the 850 transaction set. If a number is cited in both BEG03 and BEG04 of the 850 transaction set, concatenate these numbers.*
- 11. *When transmitting the unique reference number of an 855 transaction set, cite the number in BAK03 of the 855 transaction set.*
- 12. *When transmitting the unique reference number of an 856 transaction set, cite the number in BSN02 of the 856 transaction set.*
- 13. *When transmitting the unique reference number of an 864 transaction set, cite the number in REF02 (1/REF/080) of the 864 transaction set that is qualified by code ME in REF01.*

REF03

352

Description

X AN 1/80

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

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.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	PER01	366 Contact Function Code	M ID 2/2
		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>	
	PER02	93 Name	O AN 1/35
		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 35 characters. Instead, truncate the first name or use the initial of the first name.</i>	
	PER03	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		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>	
	PER04	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
	PER05	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		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	

Use to indicate the commercial telephone number of the named party.

PER06

364

Communication Number

X AN 1/80

Complete communications number including country or area code when applicable

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>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	MIT01	127	Reference Number	M AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
			<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>	
	MIT02	352	Description	O AN 1/80
			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>	
Not Used	MIT03	931	Page Width	O N0 1/3
			Definition of the maximum number of characters per line that can be expected in the message text	
Not Used	MIT04	932	Page Length Lines	O N0 1/3
			Definition of the maximum number of lines per page that can be expected in the message text	

Segment: **MSG** Message Text
Position: 080
Loop: MIT Mandatory
Level: Detail
Usage: Mandatory
Max Use: 100000
Purpose: To provide a free form format that would allow the transmission of text information.
Syntax Notes:
Semantic Notes:
Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
Notes: *Use 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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MSG01	933	Free-Form Message Text Free-form message text <i>When BMG01 is code 03, cite DELETED.</i>	M AN 1/264
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer Refer to 003040 Data Element Dictionary for acceptable code values.	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>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>Cite the same number as the one in the ST02.</i>	M AN 4/9

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