



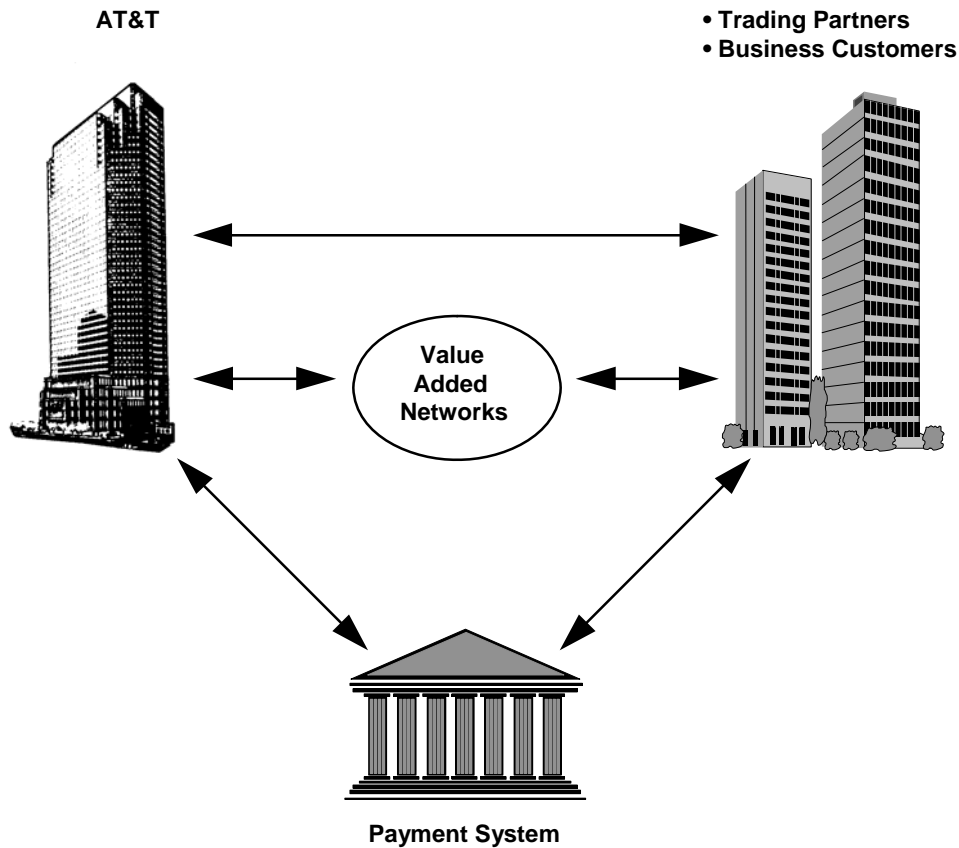
# Electronic Commerce Customer Guide

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## 864 Transaction Set (Version/Release 004010)

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Electronic Data Interchange - Electronic Funds Transfer



**Building Electronic Partnerships For The Future...Today**

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# 1 Overview

The information in this section reflects the perspective and implementation of the Text Message Transaction Set (864) by the AT&T Local Exchange companies. The 864 is normally sent to customers to provide definitions for Universal Service Order Codes (USOCs) provided in the Account Service Information/Customer Service Record (ASI/CSR) section of the 811.

For ease of reference, this 864 Implementation Guide is broken into several sections. This section gives an overview of this guide and the 864. The other sections explain the implementation of the 864 by the AT&T Local Exchange companies. Each section provides a comprehensive discussion of the information the AT&T Local Exchange companies are providing, the format of the segments being used to provide information, and a sample mapping. The Technical Specifications section provides a comprehensive list of segments and data elements used by the AT&T Local Exchange companies when producing the 864.

Bill and segment examples, which are used for illustrative purposes, are fictitious.

## 1.1 Schedule of the 864 Versions

This 864 Implementation Guide should be used in conjunction with the ASC X12 Draft Version 4 Release 1 standards and the TCIF Telephone Billing Guideline Issue 9 for the 864. The TCIF Telephone Billing Guideline may be found on the World Wide Web within the TCIF home at:

<http://www.atis.org/atis/tcif/edi/tbwg/5tc54hom.htm>.

The file format documented applies to all files the AT&T Local Exchange companies provide with a value of "004010" in **GS08** to signify release 4 version 1 of the transaction set. Since the format of the 864 is very simple, the AT&T Local Exchange companies do not anticipate frequent changes to the transaction set.

## 1.2 Structure of the 864

The 864 is divided into three tables. The Technical Specifications section shows the segments the AT&T Local Exchange companies use for the 864.

**Table 1** contains information about the codes being provided, and is referred to as the heading area of the 864. Some of the common data elements passed in the heading area of the 864 TS are:

- Code identifier
- Effective date
- Party providing information (AT&T Local Exchange company)

**Table 2** contains a line item (MIT loop) for each code being provided, and is referred to as the detail area of the 864. While the detail area can contain many codes, the format is very simple. The MIT segment contains the code, and the MSG segment contains the definition of the code.

**Table 3** contains summary information, and is referred to as the summary area of the transaction set. The summary area of the 864 contains only the SE segment which is used to indicate the end of the transaction set and to provide the count of transmitted segments.

## 1.3 Format of Guide

A brief introduction of each section is followed by a table of segments that depicts the structure of the portion of the 864 that is currently being discussed.

After the structure table is shown, a sample mapping for the respective area of the 864 is displayed. A comprehensive list of segments and data elements used in producing the 864 is provided in the Technical Specifications section.

## 1.4 Data Element Separator and Segment Terminator

When displaying mapping examples in this guide, the asterisk (\*) is used as the data element separator and the exclamation point (!) is used as the segment terminator.

In live production data, the AT&T Local Exchange company will work with the customer to set up the data element separator, segment terminator and sub-element separator. The AT&T Local Exchange companies prefer to use the X12 recommended data element separator of the tilde ("~" HEX A1), segment terminator of the exclamation point ("!" HEX 5A) and sub-element separator of the double vertical bar ("|" HEX 6A).

## 2 Heading Area

The purpose of the heading area of the 864 is to provide information about the code list being provided, effective date of the code list, and party providing the code list (AT&T Local Exchange company).

### 2.1 Structure

<u>Segment</u>	<u>Segment Description</u>	<u>Loop</u>	<u>Max Use</u>	<u>O/M</u>
ST	Transaction Set Heading	N/A	1	M
BMG	Beginning Segment for TX	N/A	1	M
DTM	Service From/Through Dates	N/A	2	M
	<b>Loop</b>	<b>N1</b>	<b>1</b>	<b>M</b>
N1	Name	N1	1	M

### 2.2 Sample Mapping

ST\*864\*000000001!  
 BMG\*00\*SC\*CI!  
 DTM\*007\*19940623!  
 N1\*FR\*AT&T!

## 3 Detail Area

The purpose of the detail area of the 864 is to provide a line item (MIT loop) for each code being provided. While the detail area can contain many codes, the format is very simple. The MIT segment contains the code, and the MSG segment contains the definition of the code.

### 3.1 Structure

<u>Segment</u>	<u>Segment Description</u>	<u>Loop</u>	<u>Max Use</u>	<u>O/M</u>
	<b>Loop</b>	<b>MIT</b>	<b>&gt;1</b>	<b>M</b>
MIT	Message Identification (Code)	MIT	1	M
MSG	Code Description	MIT	1	M

### 3.2 Sample Mapping

MIT\*1FB!  
MSG\*FLAT BUSINESS LINE!  
MIT\*1MB!  
MSG\*MEASURED BUSINESS LINE!  
MIT\*9ZR!  
MSG\*END USER COMMON LINE CHARGE!

## 4 Summary Area

The purpose of the summary area of the 864 is to provide transaction control numbers.

### 4.1 Structure

<u>Segment</u>	<u>Segment Description</u>	<u>Loop</u>	<u>Max Use</u>	<u>O/M</u>
SE	Transaction Set Trailer	N/A	1	M

### 4.2 Sample Mapping

SE\*182\*000000001!

## 5 Technical Specifications

### 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.

The AT&T Local Exchange companies print only the segments and data elements that are provided by our implementation of this transaction set. While we do provide all X12 syntax notes and semantic notes associated with segments we generate in this documentation, notes about unused data elements do not impact our implementation. Please ignore any notes or comments related to data elements the AT&T Local Exchange companies do not provide.

#### 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>
010	ST	Transaction Set Header	M	1		
020	BMG	Beginning Segment For Text Message	M	1		
030	DTM	Date/Time Reference	O	10		
<b>LOOP ID - N1</b>					200	
040	N1	Name	O	1		

#### 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>
<b>LOOP ID - MIT</b>					>1	
010	MIT	Message Identification	M	1		
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>
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  
**Notes:**  
**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				
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
>> ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3
		Code uniquely identifying a Transaction Set.			
		864 Text Message			
>> ST02	329	<b>Transaction Set Control Number</b>	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			

**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.  
**Notes:**  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 BMG02 contains the message subject.

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
>> BMG01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set. <i>A complete table is always provided.</i> 00 Original	<b>M ID 2/2</b>
BMG02	352	<b>Description</b> A free-form description to clarify the related data elements and their content. <i>This data element will contain the table identifier when values are being provided to a customer. If a table is being transmitted, BMG02 will contain a code to identify the type of table that is being provided.</i>  <i>If text messages (e.g., regulatory messages) are being transmitted, then BMG02 should contain "MSG" to denote a text message.</i> SC Service Category (USOC)	<b>O AN 1/80</b>
BMG03	640	<b>Transaction Type Code</b> Code specifying the type of transaction. CI Consolidated Invoice	<b>O ID 2/2</b>

**Segment:** **DTM** Date/Time Reference

**Position:** 030

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify pertinent dates and times

**Notes:**

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM06 is required.
  - 2 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**

**Comments:**

#### Data Element Summary

Ref.	Data <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	<u>Attributes</u>		
				M	ID	3/3
>> DTM01		374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time. 007 Effective			
DTM02		373	<b>Date</b> Date (YYYYMMDD).	X	DT	8/8

**Segment:** **N1** Name  
**Position:** 040  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name and code

**Notes:**  
**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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>M</u> <u>ID</u> <u>2/2</u>
>> N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual	M ID 2/2
		FR Message From	
N102	93	<b>Name</b> Free-form name.	X AN 1/35

**Segment:** **MIT** Message Identification

**Position:** 010

**Loop:** MIT

**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.

**Notes:**

**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.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>> 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>Contains the code value to be updated or an identification of the type of message being sent.</i>	

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**Segment:** **MSG** Message Text  
**Position:** 080  
**Loop:** MIT  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 100000  
**Purpose:** To provide a free form format that would allow the transmission of text information.

**Notes:****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.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	MSG01	933	<b>Free-Form Message Text</b> Free-form message text. <i>Contains the text description of the code value or miscellaneous message associated with the MIT01 value.</i>	<b>M AN 1/264</b>

**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).  
**Notes:**  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 SE is the last segment of each transaction set.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments.	<b>M NO 1/10</b>
>>	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	<b>M AN 4/9</b>