EDI Implementation Guide

997 Functional Acknowledgements

Version 4010 VICS

Michaels Stores, Inc.
and Subsidiaries and Affiliates

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997 Functional Ack.

4010 VICS
Functional Group ID = FA
Use: Functional Ack.

Contents

Introduction

This document defines the EDI format for the functional acknowledgement transaction set (997) used by Michaels Stores, Inc. Michaels follows the VICS subset of the ANSI X.12 standards. All functional acknowledgements transmitted to Michaels will be in the format defined in this document.

Note: This document defines the 997 functional acknowledgement transaction for all types of purchase orders.

Implementation Notes

1. The following section descriptions list only those segments used by Michaels. Unused segments are not listed.
2. In the segment breakout listings, only those elements used by Michaels are listed. Unused elements are not listed.
3. Variations from the standard VICS definitions are noted in the notes section of each segment. Variations from the VICS standard typically are changes in the number of loop repetitions, changes in the maximum lengths of an element, etc.
4. All segments or elements designated "M" (mandatory) must be provided to Michaels.

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Summary of Changes

Changes from Version 1.0 of Document

Date of Change: 23 August 2002

Segment	Change
ISA, GS GE, IEA	Added definitions for X.12 envelope structure
Examples	Removed example data from specs

Changes from Version 2.0 of Document

Date of Change: 24 November 2003

Segment	Change
NA	Updated references to Michaels to reflect new company names.

Data Segment Sequence Chart

Header Section

Pos. No.	Seg. ID	Name	Req. Des.	Max Use	Loop Repeat
	ISA	Interchange Control Header	M	1	
	GS	Group Control Header	M	1	
010	ST	Transaction Set Header	M	1	
020	AK1	Functional Group Response Header	M	1	
		AK2 Loop	**M**		**>1**
030	AK2	Transaction Set Response Header	O	1	
060	AK5	Transaction Set Response Trailer	M	1	
070	AK9	Functional Group Response Trailer	M	1	
080	SE	Transaction Set Trailer	M	1	
	GE	Group Control Trailer	M	1	
	IEA	Interchange Control Trailer	M	1	

Data Segment Descriptions

Segment: **ISA** Interchange Control Header
Position:
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments.
Notes: See implementation notes following the segment description.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
ISA 01	I01	Authorization Information Qualifier **00** No authorization information present	M	ID	2 / 2
ISA 02	I02	Authorization Information Leave blank	M	AN	10 / 10
ISA 03	I03	Security Information Qualifier **00** No security information present	M	ID	2 / 2
ISA 04	I04	Security Information Leave blank	M	AN	10 / 10
ISA 05	I05	Interchange ID Qualifier **01** Duns (Dun and Bradstreet) number **08** UCC EDI communications ID **12** Phone number **ZZ** Mutually defined	M	ID	2 / 2
ISA 06	I06	Interchange Sender ID	M	AN	15 / 15
ISA 07	I05	Interchange ID Qualifier **01** Duns number. **08** UCC EDI communications ID **12** Phone number **ZZ** Mutually defined	M	ID	2 / 2
ISA 08	I07	Interchange Receiver ID	M	AN	15 / 15
ISA 09	I08	Interchange Date	M	DT	6 / 6
ISA 10	I09	Interchange Time	M	TM	4 / 4
ISA 11	I10	Interchange Control Standards ID **U** ANSII X.12	M	ID	1 / 1
ISA 12	I11	Interchange Control Version Number Use **00401** for Michaels	M	ID	5 / 5

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
ISA 13	I12	Interchange Control Number	M	N0	9 / 9
ISA 14	I13	Acknowledgement Requested **0** No TA1 acknowledgement requested	M	ID	1 / 1
ISA 15	I14	Usage Indicator **P** Production data	M	ID	1 / 1
ISA 16	I15	Component Element Separator Use **>** (greater-than) for Michaels	M		1 / 1

Implementation Notes

1. ISA Sender Qualifier and ID (ISA05 and ISA06): use your qualifier and ID when sending 997's to Michaels. When Michaels sends 997's, the sender ID and qualifier will be "01" and "054402896" respectively.
2. ISA Receiver Qualifier and ID (ISA07 and ISA08): when sending 997's to Michaels, use our qualifier and ID, "01" and "054402896" respectively. When Michaels sends 997's, we will use the qualifier and ID you provide to us.

Segment: **GS** Functional Group Header
Position:
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control.
Notes: See implementation notes following the segment description.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
GS 01	479	Functional Identifier Code **FA** Functional Acknowledgement	M	ID	2 / 2
GS 02	142	Application Sender's Code	M	AN	2 / 15
GS 03	124	Application Receiver's Code	M	AN	2 / 15
GS 04	373	Date	M	DT	6 / 6
GS 05	337	Time	M	TM	4 / 8
GS 06	28	Group Control Number	M	N0	1 / 9
GS 07	455	Responsible Agency Code **X** ANSI X.12	M	ID	1 / 2
GS 08	480	Version Identifier Code Use **004010VICS** for Michaels	M	AN	1 / 12

Implementation Notes

1. GS Sender ID (GS02): use your ID when sending 997's to Michaels. When Michaels sends 997's, the sender ID "054402896."
2. GS Receiver ID (GS03): when sending 997's to Michaels, use our ID as indicated below. When Michaels sends 997's, we will use the qualifier and ID you provide to us.
3. GS Receiver ID's for functionals sent to Michaels: it is critical that the GS receiver ID for 997's you return to Michaels against 850 purchase orders have the correct ID. The general rule is that the GS receiver ID on the 997 must be the same as the GS sender ID on the 850. The possible values for the GS receiver ID for 997's sent to Michaels are:

054402896	Use for DC orders
054402896S	Use for store-direct orders
054402896C	Use for corporate-push orders

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:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
ST 01	143	Transaction Set Identifier Code **997** Functional Acknowledgement	M	ID	3 / 3
ST 02	329	Transaction Set Control Number	M	AN	4 / 9

Segment: **AK1** Functional Group Response Header
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To start acknowledgement of a functional group.
Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
AK1 01	479	Functional ID Code	M	ID	2 / 2
AK1 02	28	Group Control Number	M	N0	1 / 9

Segment: **AK2** Transaction Set Response Header
Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To start acknowledgement of a single transaction set.
Notes: Michaels requires that all incoming functional acknowledgements report at the set level. The AK2 loop is required by Michaels.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
AK2 01	143	Transaction Set ID Code	M	ID	3 / 3
AK2 02	329	Transaction Set Control Number	M	AN	4 / 9

Segment: **AK5** Transaction Set Response Trailer
Position: 060
Loop: AK2
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To acknowledge acceptance or rejection and to report errors in a transaction set.
Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
AK5 01	717	Transaction Set Acknowledgement Code	M	ID	1 / 1

Segment: **AK9** Functional Group Response Trailer
Position: 070
Loop: AK1
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To acknowledge acceptance or rejection of a functional group and to report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group.
Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
AK9 01	715	Functional Group Acknowledgement Code	M	ID	1 / 1
AK9 02	97	Number of Included Sets	M	N0	1 / 6
AK9 03	123	Number of Received Sets	M	N0	1 / 6
AK9 04	2	Number of Accepted Sets	M	N0	1 / 6

Segment: **SE** Transaction Set Trailer
Position: 030
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and to provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
SE 01	96	Number of Included Segments	M	N0	1 / 10
SE 02	329	Transaction Set Control Number	M	AN	4 / 9

Segment: **GE** Transaction Group Trailer
Position:
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information.
Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
GE 01	97	Number of Transaction Sets Included The number of ST segments within the group.	M	N0	1 / 6
GE 02	28	Group Control Number This must be the same number as is used in the GS segment (GS06) for the group.	M	N0	1 / 9

Segment: **IEA** Interchange Control Trailer
Position:
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments.
Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
IEA 01	I16	Number of Included Groups The number of GS segments within this transmission.	M	N0	1 / 5
IEA 02	I12	Interchange Control Number This must be the same number as is in the ISA segment (ISA13) for the transmission.	M	N0	9 / 9