

ACKNOWLEDGEMENT FOR EMPTY RELEASE/REDELIVERY MESSAGE IMPLEMENTATION GUIDE

ANS997 4010

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Status Indicators

Status Indicators (M, O and X) form part of the ANSI ASC X12 standard and indicate a minimum requirement to fulfil the needs of the message structure.

The Status Indicators are:

Indicator	Value	Description
M	Mandatory	This entity must appear in all messages. Shown as usage indicator "M" in Implementation Guidelines.
O	Optional	This entity is used by agreement between the parties to the transaction.
X	Relational	This entity depends upon a well-defined condition or set of conditions. These conditions must be clearly specified in the relevant implementation guideline.

A Status Indicator may be represented by a supporting Usage Indicator which is either M, O, D or X.

Usage Indicators

Throughout this document reference is made to indicators (M, D, O and X) which are shown adjacent to data items and which dictate for the particular message or set thereof the agreed usage of the data items or entities.

Set out below are the indicators and their respective uses:

Indicator	Value	Description
M	Mandatory	Indicates that this entity is mandatory and must be sent in this implementation.
O	Optional	Indicates that this entity is at the need or discretion of the sender of the message.
D	Dependent	Indicates that the use of the entity depends upon a well-defined condition or set of conditions. These conditions must be clearly specified in the relevant implementation guideline.
X	Not Used	Indicates that the entity is not to be used in this message implementation.

Please be aware that each usage indicator describes the usage of an entity within it's parent entity. For example, a segment that is marked to be (M)andatory within an optional segment group must only be sent when the segment group is used.

Message Structure

Tag	Name	Status	Max. Use	Usage
ISA	Interchange Control Header	M	1	X
GS	Functional Group Header	O	1	X
ST	Transaction Set Header	M	1	X
AK1	Functional Group Response Header	M	1	M
LoopAK2				
AK2	Transaction Set Response Header	O	1	X
LoopAK3				
AK3	Data Segment Note	O	1	O
AK4	Data Element Note	O	99	O
AK5	Transaction Set Response Trailer	M	1	M
AK9	Functional Group Response Trailer	M	1	M
SE	Transaction Set Trailer	M	1	X
GE	Functional Group Trailer	O	1	X
IEA	Interchange Control Trailer	M	1	X

Description of used Message Segments

AK1 Functional Group Response Header

Status: M	Usage: M
Group: N/A	Min/Max: 1/1

up

Description:

To start acknowledgment of a functional group

Note:

AK1:X0028_Group_Control_Number is the important reference for the match with the outgoing data!

Example:

AK1*R0*5590~

Tag	Element Name	Status	Type	Usage
479	FUNCTIONAL IDENTIFIER CODE	M	id2	X
	Description: Code identifying a group of application related transaction sets			
28	GROUP CONTROL NUMBER	M	n0..9	M
	Description: Assigned number originated and maintained by the sender			

AK3 Data Segment Note

Status: O	Usage: O
Group: LoopAK3	Min/Max: 0/1

up

Description:

To report errors in a data segment and identify the location of the data segment

Tag	Element Name	Status	Type	Usage
721	SEGMENT ID CODE	M	id..3	M
Description: Code defining the segment ID of the data segment in error (See Appendix A - Number 77)				
719	SEGMENT POSITION IN TRANSACTION SET	M	n0..6	M
Description: The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1				
447	LOOP IDENTIFIER CODE	O	an..6	O
Description: The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE				
720	SEGMENT SYNTAX ERROR CODE	O	id..3	O
Description: Code indicating error found based on the syntax editing of a segment				

AK4 Data Element Note

Status: O	Usage: O
Group: LoopAK3	Min/Max: 0/99

up

Description:

To report errors in a data element or composite data structure and identify the location of the data element

Tag	Element Name	Status	Type	Usage
C030	POSITION IN SEGMENT	M		M
	Description: Code indicating the relative position of the simple data element or composite data structure in error within a segment, count beginning with 1 for the position immediately following the segment ID; additionally indicating the relative position of a repeating structure in error, count beginning with 1 for the position immediately following the preceding element separator; additionally indicating the relative position of a component of a composite data structure in error, count beginning with 1 for the position following the preceding element or repetition separator			
722	Element Position in Segment	M	n0..2	M
	Description: This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID			
1528	Component Data Element Position in Composite	O	n0..2	X
	Description: To identify the component data element position within the composite that is in error			
725	DATA ELEMENT REFERENCE NUMBER	O	n0..4	O
	Description: Reference number used to locate the data element in the Data Element Dictionary			
723	DATA ELEMENT SYNTAX ERROR CODE	M	id..3	M
	Description: Code indicating the error found after syntax edits of a data element			
724	COPY OF BAD DATA ELEMENT	O	an..99	O
	Description: This is a copy of the data element in error			

AK5 Transaction Set Response Trailer

Status: M	Usage: M
Group: LoopAK2	Min/Max: 1/1

up

Description:

To acknowledge acceptance or rejection and report errors in a transaction set

Tag	Element Name	Status	Type	Usage
717	TRANSACTION SET ACKNOWLEDGMENT CODE	M	id1	M

Description:

Code indicating accept or reject condition based on the syntax editing of the transaction set

718	TRANSACTION SET SYNTAX ERROR CODE [0..5]	O	id..3	O
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Description:

Code indicating error found based on the syntax editing of a transaction set

AK9 Functional Group Response Trailer

Status: M

Usage: M

Group: LoopAK2

Min/Max: 1/1

up

Description:

To acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group

Note:

A = Request accepted
R = Request not accepted
E = outgoing EDI Message with error

Example:

AK9*A*5*5*5~

Tag	Element Name	Status	Type	Usage
715	FUNCTIONAL GROUP ACKNOWLEDGE CODE	M	id1	M
	Description: Code indicating accept or reject condition based on the syntax editing of the functional group			
97	NUMBER OF TRANSACTION SETS INCLUDED	M	n0..6	X
	Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element			
123	NUMBER OF RECEIVED TRANSACTION SETS	M	n0..6	X
	Description: Number of Transaction Sets received			
2	NUMBER OF ACCEPTED TRANSACTION SETS	M	n0..6	X
	Description: Number of accepted Transaction Sets in a Functional Group			
716	FUNCTIONAL GROUP SYNTAX ERROR CODE [0..5]	O	id..3	X
	Description: Code indicating error found based on the syntax editing of the functional group header and/or trailer			

Examples

```
ISA*00*                *00*                *ZZ*HLCUPROD          *ZZ*BCIS          *130409*224
7*U*00400*000056923*0*P*<~
GS****20130410*5590*2247*1*X*004010~
ST*301*0001~
B1*HLCU*40113992**N~
Y3*40113992*HLCU*20130412*20130507****1200*SB~
Y4*40113992***MTR011*1*2232****PP~
Y4*40113992***MTR011*1*2200****PP~
Y4*40113992***MTR011*1*4500****PP~
R4*R*D*4601*NEW YORK, NY*US*TERMIN425~
R4*L*D*4601*NEW YORK, NY*US*HOWLAN001~
LX*1~
N7*UNKN*0000001*****2232~
W09*CZ*-6.6*CE*****70*10~
K1*CARBON DIOXYD IN PCT*020~
K1*OXYGEN IN PCT*010~
K1*NITROGEN IN PCT*030~
K1*SPECIAL-ATMOSPHERE*CONTROLLED ATMOSPHERE~
K1*REMARKS1*REMARKS2~
K1*REMARKS3*REMARKS4~
LX*2~
N7*GATU*8084352*****4500~
LX*3~
N7*UNKN*0000001*****2232~
K1*SPECIAL-ATMOSPHERE*NONE~
K1*NON OPERATING REEFER~
V1*8406274*ROME EXPRESS*BM*96E16*HLCU***L~
SE*13*0005~
GE*5*1~
IEA*1*000056923~
```

Request accepted:

```
ISA*00*                *00*                *02*BTTM            *02*HLCUPROD          *120806*194
7*U*00400*000000071*0*P*>~
GS*FA*ACKSCA*HLCL*20120806*1947*71*X*004010~
ST*997*0001~
AK1*R0*5590~
AK9*A*5*5*5~
SE*4*0001~
GE*1*~
IEA*1*000000071~
```

Request not accepted:

```
ISA*00*                *00*                *02*BTTM            *02*HLCUPROD          *120806*194
7*U*00400*000000071*0*P*>~
GS*FA*ACKSCA*HLCL*20120806*1947*71*X*004010~
ST*997*0001~
AK1*R0*5590~
AK3*REJ*3*1*REJ*~
AK4*1*1*REJ*CONTAINER IS NOT AVAILABLE AT THE DEPOT HHLA002!!~
AK4*1*2*REJ*PLS CONTACT MR SCHMIDT AT THE DEPOT UNDER TEL 04030019999~
AK5*1*REJ~
AK9*R*5*5*5~
SE*4*0001~
GE*1*~
IEA*1*000000071~
```

outgoing EDI Message with error:

```
ISA*00*                *00*                *02*BTTM            *02*HLCUPROD          *120806*194
7*U*00400*000000071*0*P*>~
GS*FA*ACKSCA*HLCL*20120806*1947*71*X*004010~
ST*997*0001~
AK1*R0*5590~
AK3*ERR*3*1*REJ*~
AK4*1*1*ERR*INCORRECT FORMAT, MANDATORY BOOKING REFERENCE MISSING~
AK5*1*ERR~
AK9*E*5*5*5~
SE*4*0001~
GE*1*~
IEA*1*000000071~
```