ANSI824 4010 VGM ACKNOWLEDGEMENT

HAPAG-LLOYD EDI User Manual

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Trading Partner: all
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Functional Definition

Change History

Date	Version	User	Change
08.06.2016	1.0	Peter Scharringhausen	MIG Created

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	M
GS	Functional Group Header	O	1	O
ST	Transaction Set Header	M	1	M
BGN	Beginning Segment	M	1	M
LoopN1		**O**	**1**	**X**
N1	Name	O	1	X
N2	Additional Name Information	O	2	X
N3	Address Information	O	2	X
N4	Geographic Location	O	1	X
REF	Reference Identification	O	12	X
PER	Administrative Communications Contact	O	3	X
LoopOTI		**M**	**1**	**M**
OTI	Original Transaction Identification	M	1	M
REF	Reference Identification	O	12	O
DTM	Date/Time Reference	O	2	X
PER	Administrative Communications Contact	O	3	X
AMT	Monetary Amount	O	1	X
QTY	Quantity	O	1	X
NM1	Individual or Organizational Name	O	9	X
LoopTED		**O**	**1**	**O**
TED	Technical Error Description	O	1	O
NTE	Note/Special Instruction	O	100	O
RED	Related Data	O	100	X
LoopLM		**O**	**1**	**X**
LM	Code Source Information	O	1	X
LoopLQ		**M**	**100**	**X**
LQ	Industry Code	M	1	X
RED	Related Data	O	100	X
SE	Transaction Set Trailer	M	1	M
GE	Functional Group Trailer	O	1	O
IEA	Interchange Control Trailer	M	1	M

Description of used Message Segments

ISA Interchange Control Header

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

up

Description:

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Example:

```
ISA*00 *00 *02*HLCU *ZZ*RECIP_ID*160609*0734*U*04010*000000001*0*T*>~
```

Tag	Element Name	Status	Type	Usage
I01	AUTHORIZATION INFORMATION QUALIFIER	M	id2	M
	Description: Code identifying the type of information in the Authorization Information **Note:** **Value(s):** 00 No Authorization Information Present			
I02	AUTHORIZATION INFORMATION	M	an10	M
	Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)			
I03	SECURITY INFORMATION QUALIFIER	M	id2	M
	Description: Code identifying the type of information in the Security Information **Note:** **Value(s):** 00 No Security Information Present			
I04	SECURITY INFORMATION	M	an10	M
	Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)			
I05	INTERCHANGE ID QUALIFIER	M	id2	M
	Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified **Note:** **Value(s):** 02 SCAC (Standard Carrier Alpha Code)			
I06	INTERCHANGE SENDER ID	M	an15	M
	Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element **Note:** **Value(s):** HLCU HAPAG-LLOYD AG SCAC Code			
I05	INTERCHANGE ID QUALIFIER	M	id2	M

Description:
Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified
Note:
Value(s):

ZZ	Mutually Defined

I07	INTERCHANGE RECEIVER ID	M	an15	M

Description:
Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them
Note:

Recipient ID

I08	INTERCHANGE DATE	M	dt6	M

Description:
Date of the interchange

I09	INTERCHANGE TIME	M	tm4	M

Description:
Time of the interchange

I10	INTERCHANGE CONTROL STANDARDS IDENTIFIER	M	id1	M
I11	INTERCHANGE CONTROL VERSION NUMBER	M	id5	M

Description:
Code specifying the version number of the interchange control segments
Note:
Value(s):

00401	Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

I12	INTERCHANGE CONTROL NUMBER	M	n09	M

Description:
A control number assigned by the interchange sender

I13	ACKNOWLEDGMENT REQUESTED	M	id1	M

Description:
Code indicating sender's request for an interchange acknowledgment
Note:
Value(s):

0	No Interchange Acknowledgment Requested

I14	USAGE INDICATOR	M	id1	M

Description:
Code indicating whether data enclosed by this interchange envelope is test, production or information
Note:
Value(s):

P	Production Data
T	Test Data

I15	COMPONENT ELEMENT SEPARATOR	M	an1	M

Description:
Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

GS Functional Group Header

Status: O	Usage: O
Group: N/A	Min/Max: 0/1

up

Description:

To indicate the beginning of a functional group and to provide control information

Example:

```
GS*AG*HLCU*GTNEXUS*20160609*073403*1*X ~
```

Tag	Element Name	Status	Type	Usage
479	FUNCTIONAL IDENTIFIER CODE	M	id2	M
	Description: Code identifying a group of application related transaction sets **Note:** **Value(s):** AG Application Advice (824)			
142	APPLICATION SENDER'S CODE	M	an..15	M
	Description: Code identifying party sending transmission; codes agreed to by trading partners **Note:** **Value(s):** HLCU HAPAG-LLOYD AG SCAC Code			
124	APPLICATION RECEIVER'S CODE	M	an..15	M
	Description: Code identifying party receiving transmission; codes agreed to by trading partners **Note:** Recipient ID			
373	DATE	M	dt8	M
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
337	TIME	M	tm..8	M
	Description: 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)			
28	GROUP CONTROL NUMBER	M	n0..9	M
	Description: Assigned number originated and maintained by the sender			
455	RESPONSIBLE AGENCY CODE	M	id..2	M
	Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 **Note:** **Value(s):** X Accredited Standards Committee X12			
480	VERSION / RELEASE / INDUSTRY IDENTIFIER CODE	M	an..12	M

Description:
Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

ST Transaction Set Header

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

up

Description:

To indicate the start of a transaction set and to assign a control number

Example:

```
ST*824*0001~
```

Tag	Element Name	Status	Type	Usage
143	TRANSACTION SET IDENTIFIER CODE	M	id3	M
	Description: Code uniquely identifying a Transaction Set **Note:** **Value(s):** 428 Application Advice			
329	TRANSACTION SET CONTROL NUMBER	M	an..9	M
	Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

BGN Beginning Segment

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

up

Description:

To indicate the beginning of a transaction set

Example:

```
BGN*00*102506937V001*20160609*122743**102506937V001**91~
```

Tag	Element Name	Status	Type	Usage
353	TRANSACTION SET PURPOSE CODE	M	id2	M
	Description: Code identifying purpose of transaction set **Note:** **Value(s):** 00 Original			
127	REFERENCE IDENTIFICATION	M	an..30	M
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
373	DATE	M	dt8	M
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
337	TIME	O	tm..8	O
	Description: 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)			
623	TIME CODE	O	id2	X
	Description: 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			
127	REFERENCE IDENTIFICATION	O	an..30	O
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
640	TRANSACTION TYPE CODE	O	id2	X
	Description: Code specifying the type of transaction			
306	ACTION CODE	O	id..2	O

Description:
Code indicating type of action
Note:
Value(s):

WQ	ACCEPTED
91	CONDITIONALLY ACCEPTED
U	REJECTED

In case of a VERMAS Message is only CONDITIONALLY ACCEPTED (91), a final ACCEPTANCE (WQ) / REJECTION (U) will be send, as soon as the processing is finished.

786	SECURITY LEVEL CODE	O	id2	X

Description:
Code indicating the level of confidentiality assigned by the sender to the information following

OTI Original Transaction Identification

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

up

Description:

To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result

Example:

```
OTI*IP*OC*RTNU0010010~
```

Tag	Element Name	Status	Type	Usage
110	APPLICATION ACKNOWLEDGMENT CODE	M	id..2	M
	Description: Code indicating the application system edit results of the business data **Note:** **Value(s):** IA Item Accept IP Item Partial Accept/Reject IR Item Reject			
128	REFERENCE IDENTIFICATION QUALIFIER	M	id..3	M
	Description: Code qualifying the Reference Identification **Note:** **Value(s):** OC Ocean Container Number			
127	REFERENCE IDENTIFICATION	M	an..30	M
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
142	APPLICATION SENDER'S CODE	O	an..15	X
	Description: Code identifying party sending transmission; codes agreed to by trading partners			
124	APPLICATION RECEIVER'S CODE	O	an..15	X
	Description: Code identifying party receiving transmission; codes agreed to by trading partners			
373	DATE	O	dt8	X
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
337	TIME	O	tm..8	X
	Description: 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)			
28	GROUP CONTROL NUMBER	O	n0..9	X
	Description: Assigned number originated and maintained by the sender			
329	TRANSACTION SET CONTROL NUMBER	O	an..9	X
	Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

143	TRANSACTION SET IDENTIFIER CODE	O	id3	X
	Description: Code uniquely identifying a Transaction Set			
480	VERSION / RELEASE / INDUSTRY IDENTIFIER CODE	O	an..12	X
	Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed			
353	TRANSACTION SET PURPOSE CODE	O	id2	X
	Description: Code identifying purpose of transaction set			
640	TRANSACTION TYPE CODE	O	id2	X
	Description: Code specifying the type of transaction			
346	APPLICATION TYPE	O	id2	X
	Description: Code identifying an application			
306	ACTION CODE	O	id..2	X
	Description: Code indicating type of action			
305	TRANSACTION HANDLING CODE	O	id..2	X
	Description: Code designating the action to be taken by all parties			
641	STATUS REASON CODE	O	id3	X
	Description: Code indicating the status reason			

REF Reference Identification

Status: O	Usage: O
Group: LoopOTI	Min/Max: 0/12

up

Description:

To specify identifying information

Example:

```
REF*BN*42129580~
```

Tag	Element Name	Status	Type	Usage
128	REFERENCE IDENTIFICATION QUALIFIER	M	id..3	M
	Description: Code qualifying the Reference Identification **Note:** **Value(s):** OC Ocean Container Number BN Booking Number BM Bill of Lading Number			
127	REFERENCE IDENTIFICATION	O	an..30	O
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
352	DESCRIPTION	O	an..80	X
	Description: A free-form description to clarify the related data elements and their content			
C040	**REFERENCE IDENTIFIER**	**O**		**X**
	Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
128	Reference Identification Qualifier	M	id..3	X
	Description: Code qualifying the Reference Identification			
127	Reference Identification	M	an..30	X
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
128	Reference Identification Qualifier	O	id..3	X
	Description: Code qualifying the Reference Identification			
127	Reference Identification	O	an..30	X
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
128	Reference Identification Qualifier	O	id..3	X
	Description: Code qualifying the Reference Identification			
127	Reference Identification	O	an..30	X
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

TED Technical Error Description

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

up

Description:

To identify the error and, if feasible, the erroneous segment, or data element, or both

Example:

```
TED*Q~
```

Tag	Element Name	Status	Type	Usage
647	APPLICATION ERROR CONDITION CODE	M	id..3	M
	Description: Code indicating application error condition **Note:** **Value(s):** Q Missing or Invalid Item Identification			
3	FREE FORM MESSAGE	O	an..60	X
	Description: Free-form text			
721	SEGMENT ID CODE	O	id..3	X
	Description: Code defining the segment ID of the data segment in error (See Appendix A - Number 77)			
719	SEGMENT POSITION IN TRANSACTION SET	O	n0..6	X
	Description: The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1			
722	ELEMENT POSITION IN SEGMENT	O	n0..2	X
	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			
725	DATA ELEMENT REFERENCE NUMBER	O	n0..4	X
	Description: Reference number used to locate the data element in the Data Element Dictionary			
724	COPY OF BAD DATA ELEMENT	O	an..99	X
	Description: This is a copy of the data element in error			
961	DATA ELEMENT NEW CONTENT	O	an..99	X
	Description: New data which has replaced erroneous data			

NTE Note/Special Instruction

Status: O	Usage: O
Group: LoopTED	Min/Max: 0/100

up

Description:

To transmit information in a free-form format, if necessary, for comment or special instruction

Example:

```
NTE*ECW*PROCESSING NOT POSSIBLE AS THE REPORTED CONTAINER NUMBER IS INVALID. THE VGM~
NTE*ECW*HAS BEEN REJECTED. PLEASE SEND CORRECTED VGM.~
```

Tag	Element Name	Status	Type	Usage
363	NOTE REFERENCE CODE	O	id3	O
	Description: Code identifying the functional area or purpose for which the note applies **Note:** **Value(s):** ECW Reason for Return			
352	DESCRIPTION	M	an..80	M
	Description: A free-form description to clarify the related data elements and their content			

SE Transaction Set Trailer

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

up

Description:

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Example:

```
SE*1*0001~
```

Tag	Element Name	Status	Type	Usage
96	NUMBER OF INCLUDED SEGMENTS	M	n0..10	M
	Description: Total number of segments included in a transaction set including ST and SE segments			
329	TRANSACTION SET CONTROL NUMBER	M	an..9	M
	Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

GE Functional Group Trailer

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

up

Description:

To indicate the end of a functional group and to provide control information

Example:

```
GE*1*1~
```

Tag	Element Name	Status	Type	Usage
97	NUMBER OF TRANSACTION SETS INCLUDED	M	n0..6	M
	Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element			
28	GROUP CONTROL NUMBER	M	n0..9	M
	Description: Assigned number originated and maintained by the sender			

IEA Interchange Control Trailer

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

up

Description:

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Example:

```
IEA*1*000000001~
```

Tag	Element Name	Status	Type	Usage
I16	NUMBER OF INCLUDED FUNCTIONAL GROUPS	M	n0..5	M
	Description: A count of the number of functional groups included in an interchange			
I12	INTERCHANGE CONTROL NUMBER	M	n09	M
	Description: A control number assigned by the interchange sender			

Examples

ACCEPTED

```
ISA*00* *00* *02*HLCU *ZZ*ABC1234 *160609*1015*U*00401*000000001*0*T*>~
GS*AG*HLCU*GTNEXUS*20160609*101522*1*X* ~
ST*824*0001~
BGN*00*102506937V001*20160609*131734**102506937V001**WQ~
OTI*IA*OC*RTNU0010010~
REF*OC*RTNU0010010~
REF*BN*42129580~
SE*1*0001~
GE*1*1~
IEA*1*000000001~
```

CONDITIONALLY ACCEPTED

```
ISA*00* *00* *02*HLCU *ZZ*ABC1234 *160609*0734*U*00401*000000001*0*T*>~
GS*AG*HLCU*GTNEXUS*20160609*073403*1*X* ~
ST*824*0001~
BGN*00*102506937V001*20160609*131851**102506937V001**91~
OTI*IP*OC*RTNU0010010~
REF*OC*RTNU0010010~
TED*Q~
NTE*ECW*PROCESSING IN PROGRESS.~
SE*1*0001~
GE*1*1~
IEA*1*000000001~
```

REJECTED

```
ISA*00* *00* *02*HLCU *ZZ*ABC1234 *160609*0950*U*00401*000000001*0*T*>~
GS*AG*HLCU*GTNEXUS*20160609*095021*1*X* ~
ST*824*0001~
BGN*00*151008610028-24*20160609*132833**JOSNF0**U~
OTI*IR*OC*AABB3019261~
REF*OC*AABB3019261~
REF*BN*42129510~
TED*Q~
NTE*ECW*PROCESSING NOT POSSIBLE AS THE REPORTED CONTAINER NUMBER IS
INVALID. THE VGM~
NTE*ECW*HAS BEEN REJECTED. PLEASE SEND CORRECTED VGM.~
SE*1*0001~
GE*1*1~
IEA*1*000000001~
```