EDIFACT D04A APERAK VGM

HAPAG-LLOYD EDI User Manual

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Functional Definition

Change History

Date	Version	User	Change
12.04.2016	1.0	Peter Scharringhausen	MIG Created
20.05.2016	1.1	Peter Scharringhausen	FTX+AAI in case of AP added.
27.07.2016	1.1.1	Peter Scharringhausen	BGM: Document code and name added and examples updated.
05.10.2016	1.1.2	Peter Scharringhausen	- UNB: Example updated - BGM: Example upateted.
05.06.2018	1.1.3	Peter Scharringhausen	Example for rejected VGM added.

Status Indicators

Status Indicators (M and C) form part of the UN/EDIFACT 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.
C	Conditional	This entity is used by agreement between the parties to the transaction.

A 'Conditional' 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
UNA	Service String Advice	C	1	X
UNB	Interchange Header	M	1	M
UNG	Functional Group Header	C	1	X
UNH	Message Header	M	1	M
BGM	Beginning of Message	M	1	M
DTM	Date/Time/Period	C	9	O
FTX	Free Text	C	9	O
CNT	Control Total	C	9	X
Group1		**C**	**99**	**X**
DOC	Document/Message Details	M	1	X
DTM	Date/Time/Period	C	99	X
Group2		**C**	**9**	**O**
RFF	Reference	M	1	M
DTM	Date/Time/Period	C	9	X
Group3		**C**	**9**	**X**
NAD	Name and Address	M	1	X
CTA	Contact Information	C	9	X
COM	Communication Contact	C	9	X
Group4		**C**	**99999**	**O**
ERC	Application Error Information	M	1	M
FTX	Free Text	C	1	O
Group5		**C**	**9**	**X**
RFF	Reference	M	1	X
FTX	Free Text	C	9	X
UNT	Message Trailer	M	1	M
UNE	Functional Group Trailer	C	1	X
UNZ	Interchange Trailer	M	1	M

Description of used Message Segments

UNB Interchange Header

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

up

Description:

To identify an interchange.

Example:

```
UNB+UNOC:3+HLAG:ZZ+RECIPIENT-ID:ZZ+160401:0845+1++++0++1'
```

Tag	Element Name	Status	Type	Usage
S001	**SYNTAX IDENTIFIER**	**M**		**M**
	Description: Identification of the agency controlling the syntax, the syntax level and version number, and the service code directory.			
0001	Syntax identifier	M	a4	M
	Description: Coded identification of the agency controlling the syntax, and of the character repertoire used in an interchange.Notes:1. The data value consists of the letters 'UN', upper case, identifying the syntax controlling agency, directly followed by an a2 code identifying the character repertoire used. **Note:** **Value(s):** UNOC UN/ECE level CUN/ECE level C			
0002	Syntax version number	M	n1	M
	Description: Version number of the syntax.Notes:1. Shall be '4' to indicate this version of the syntax. **Note:** **Value(s):** 3 Version 3			

S002	INTERCHANGE SENDER	M		M
	Description: Identification of the sender of the interchange.			
0004	Interchange sender identification	M	an..35	M
	Description: Name or coded identification of the sender of the interchange.Notes:1. Organisation code or name as agreed between interchange partners.2. If coded representation is used, its source may be specified by the qualifier in data element 0007. **Note:** **Value(s):** HLAG HAPAG-LLOYD AG			
0007	Identification code qualifier	C	an..4	O
	Description: Qualifier referring to the identification code.Notes:1. A qualifier code may refer to an organisation identification as in ISO 6523. **Note:** **Value(s):** ZZZ Mutually defined			
0008	Interchange sender internal identification	C	an..14	O
	Description: Identification (for example, a division, branch or computer system/process) specified by the sender of interchange, to be included if agreed, by the recipient in response interchanges, to facilitate internal routing.			

S003	INTERCHANGE RECIPIENT	M		M
	Description: Identification of the recipient of the interchange.			
0010	Interchange recipient identification	M	an..35	M
	Description: Name or coded identification of the recipient of the interchange.Notes:1. Organisation code or name as agreed between interchange partners.2. If coded representation is used, its source may be specified by the qualifier in data element 0007. **Note:** Receiving Trading Partner EDI ID			
0007	Identification code qualifier	C	an..4	O
	Description: Qualifier referring to the identification code.Notes:1. A qualifier code may refer to an organisation identification as in ISO 6523. **Note:** **Value(s):** ZZZ Mutually defined			
0014	Interchange recipient internal identification	C	an..14	X
	Description: Identification (for example, a division, branch or computer system/process) specified by the recipient of interchange, to be included if agreed, by the sender in response interchanges, to facilitate internal routing.			

S004	DATE AND TIME OF PREPARATION	M		M
	Description: Date and time of preparation of the interchange.			
0017	Date	M	n6	M
	Description: Local date when an interchange or a group was prepared.Notes:1. Format is CCYYMMDD. **Note:** `Format YYMMDD`			
0019	Time	M	n4	M
	Description: Local time of day when an interchange or a group was prepared.Notes:1. Format is HHMM in 24 hour clock. **Note:** `UTC (GMT) Time. The twenty-four hour clock system is used to express time.`			
0020	INTERCHANGE CONTROL REFERENCE	M	an..14	M
	Description: Unique reference assigned by the sender to an interchange.			
S005	RECIPIENT REFERENCE/PASSWORD DETAILS	C		X
	Description: Reference or password as agreed between the communicating partners.			
0022	Recipient reference/password	M	an..14	X
	Description: Reference or password to the recipient's system or to a third party network as specified in the partners' interchange agreement.Notes:1. To be used as specified in the partners' interchange agreement. It may be qualified by data element 0025.			
0025	Recipient reference/password qualifier	C	an2	X
	Description: Qualifier for the recipient's reference or password.Notes:1. To be used as specified in the partners' interchange agreement.			
0026	APPLICATION REFERENCE	C	an..14	O
	Description: Identification of the application area assigned by the sender, to which the messages in the interchange relate e.g. the message type, if all the messages in the interchange are of the same type.Notes:1. Identification of the application area (e.g. accounting, purchasing) or of the message type, as applicable.			
0029	PROCESSING PRIORITY CODE	C	a1	O
	Description: Code determined by the sender requesting processing priority for the interchange.Notes:1. To be used as specified in the partners' interchange agreement.			
0031	ACKNOWLEDGEMENT REQUEST	C	n1	O
	Description: Code requesting acknowledgement for the interchange.Notes:1. Used if the sender requests that a message related to syntactical correctness be sent by the recipient in response.2. For UN/EDIFACT a specific message (Syntax and service report - CONTRL) is defined for this purpose. **Note:** **`Value(s):`** `0 No acknowledgement requested`			
0032	INTERCHANGE AGREEMENT IDENTIFIER	C	an..35	X

Description:
Identification by name or code of the type of agreement under which the interchange takes place.Notes:1. Name or code to be specified in the partners' interchange agreement.

0035	TEST INDICATOR	C	n1	O

Description:
Indication that the structural level containing the test indicator is a test.
Note:

Value(s):

0	Productive message
1	Test message

UNH Message Header

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

up

Description:

To head, identify and specify a message.

Example:

```
UNH+815743340+APERAK:D:04A:UN'
```

Tag	Element Name	Status	Type	Usage
0062	MESSAGE REFERENCE NUMBER	M	an..14	M
	Description: Unique message reference assigned by the sender. **Note:** `Message Reference Number`			
S009	**MESSAGE IDENTIFIER**	**M**		**M**
	Description: Identification of the type, version, etc. of the message being interchanged.			
0065	Message type	M	an..6	M
	Description: Code identifying a type of message and assigned by its controlling agency.Notes:1. In UNSMs (United Nations Standard Messages), the representation is a6. **Note:** **Value(s):** `APERAK Application error and acknowledgement message`			
0052	Message version number	M	an..3	M
	Description: Version number of a message type. **Note:** **Value(s):** `D Draft version UNEDIFACT Directory`			
0054	Message release number	M	an..3	M
	Description: Release number within the current message version number. **Note:** **Value(s):** `04A Release 2004 - A`			
0051	Controlling agency, coded	M	an..2	M
	Description: Code identifying a controlling agency. **Note:** **Value(s):** `UN UN CEFACT`			
0057	Association assigned code	C	an..6	O
	Description: Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.			
0068	COMMON ACCESS REFERENCE	C	an..35	X
	Description: Reference serving as a key to relate all subsequent transfers of data to the same business case or file.			

S010	STATUS OF THE TRANSFER	C		X
	Description: Statement that the message is one in a sequence of transfers relating to the same topic.			
0070	Sequence of transfers	M	n..2	X
	Description: Number assigned by the sender indicating the transfer sequence of a message related to the same topic. The message could be an addition or a change to an earlier transfer related to the same topic.Notes:1. The first message in the sequence shall be assigned as number 1.			
0073	First and last transfer	C	a1	X
	Description: Indication used for the first and last message in a sequence of messages related to the same topic.			

BGM Beginning of Message

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

up

Description:

To indicate the type and function of a message and to transmit the identifying number.

Example:

```
BGM+23:::VERMAS+80+9+AP'
BGM+23:::VERMAS+80+9+CA'
BGM+23:::VERMAS+80+9+RE'

BGM+23:::CODECO+80+9+AP'
BGM+23:::CODECO+80+9+CA'
BGM+23:::CODECO+80+9+RE'
```

Tag	Element Name	Status	Type	Usage
C002	**DOCUMENT/MESSAGE NAME**	**C**		**O**
	Description: Identification of a type of document/message by code or name. Code preferred.			
1001	Document name code	C	an..3	O
	Description: Code specifying the document name. **Note:** **Value(s):** 23 Status information, regarding verified gross mass details.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
1000	Document name	C	an..35	O
	Description: Name of a document. **Note:** **Value(s):** VERMAS Transport equipment gross mass verification message CODECO Container Gate-in/Gate-out Report			
C106	**DOCUMENT/MESSAGE IDENTIFICATION**	**C**		**O**
	Description: Identification of a document/message by its number and eventually its version or revision.			
1004	Document identifier	C	an..35	O
	Description: To identify a document.			
1056	Version identifier	C	an..9	X
	Description: To identify a version.			
1060	Revision identifier	C	an..6	X
	Description: To identify a revision.			
1225	MESSAGE FUNCTION CODE	C	an..3	O

Description:
Code indicating the function of the message.
Note:
Value(s):

9	Original

4343	RESPONSE TYPE CODE	C	an..3	O

Description:
Code specifying the type of acknowledgment required or transmitted.
Note:
Value(s):

AP	ACCEPTED
CA	CONDITIONALLY ACCEPTED
RE	REJECTED

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

DTM Date/Time/Period

Status: C Usage: O Min/Max: 0/9
Group: N/A

up

Description:

To specify date, and/or time, or period.

Example:

```
DTM+9:201604011228:203'
```

Tag	Element Name	Status	Type	Usage
C507	**DATE/TIME/PERIOD**	**M**		**M**
	Description: Date and/or time, or period relevant to the specified date/time/period type.			
2005	Date or time or period function code qualifier	M	an..3	M
	Description: Code qualifying the function of a date, time or period. **Note:** **Value(s):** 9 Processing date/time			
2380	Date or time or period text	C	an..35	O
	Description: The value of a date, a date and time, a time or of a period in a specified representation.			
2379	Date or time or period format code	C	an..3	O
	Description: Code specifying the representation of a date, time or period. **Note:** **Value(s):** 203 Format: CCYYMMDDHHMM TimeZone: UTC			

FTX Free Text

Status: C Usage: O Min/Max: 0/9
Group: N/A

up

Description:

To provide free form or coded text information.

Example:

```
FTX+AAI+++Your reported VGM was received and accepted.'
```

Tag	Element Name	Status	Type	Usage
4451	TEXT SUBJECT CODE QUALIFIER	M	an..3	M
	Description: Code qualifying the subject of the text. **Note:** **Value(s):** AAI General information in case of BGM:4343 Response Type Code = AP (ACCEPTED)			
4453	FREE TEXT FUNCTION CODE	C	an..3	X
	Description: Code specifying the function of free text.			
C107	**TEXT REFERENCE**	**C**		**X**
	Description: Coded reference to a standard text and its source.			
4441	Free text description code	M	an..17	X
	Description: Code specifying free form text.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
C108	**TEXT LITERAL**	**C**		**O**
	Description: Free text; one to five lines.			
4440	Free text [1..5]	M	an..512	M
	Description: Free form text. **Note:** In case of a VERMAS Message is ACCEPTED (AP) the following information will be populated: Your reported VGM was received and accepted.			
3453	LANGUAGE NAME CODE	C	an..3	X
	Description: Code specifying the language name.			
4447	FREE TEXT FORMAT CODE	C	an..3	X
	Description: Code specifying the format of free text.			

RFF Reference

Status: M Usage: M Min/Max: 1/1
Group: 2

up

Description:

To specify a reference.

Example:

```
RFF+ACW:80'
RFF+BN:90300221'
RFF+BM:HLCUKC2160430029'
RFF+AAQ:HLCU1260179'
```

Tag	Element Name	Status	Type	Usage
C506	**REFERENCE**	**M**		**M**
	Description: Identification of a reference.			
1153	Reference code qualifier	M	an..3	M
	Description: Code qualifying a reference. **Note:** **Value(s):** ACW Reference number to previous message; BN Booking reference number; BM Bill of lading number; AAQ Container identification number (letters and/or numbers)			
1154	Reference identifier	C	an..70	O
	Description: Identifies a reference.			
1156	Document line identifier	C	an..6	X
	Description: To identify a line of a document.			
4000	Reference version identifier	C	an..35	X
	Description: To identify the version of a reference.			
1060	Revision identifier	C	an..6	X
	Description: To identify a revision.			

ERC Application Error Information

Status: M Usage: M Min/Max: 1/1
Group: 4

up

Description:

To identify the type of application error within a message.

Example:

```
ERC+ZZZ'
```

Tag	Element Name	Status	Type	Usage
C901	**APPLICATION ERROR DETAIL**	**M**		**M**
	Description: Code assigned by the recipient of a message to indicate a data validation error condition.			
9321	Application error code	M	an..8	M
	Description: Code specifying an application error. **Note:** **Value(s):** ZZZ Mutually defined			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			

FTX Free Text

Status: C Usage: O Min/Max: 0/1
Group: 4

up

Description:
To provide free form or coded text information.

Example:

```
FTX+AAO+++CONTAINER NUMBER INVALID'
```

Tag	Element Name	Status	Type	Usage
4451	TEXT SUBJECT CODE QUALIFIER	M	an..3	M
	Description: Code qualifying the subject of the text. **Note:** **Value(s):** AAO Error description (free text)			
4453	FREE TEXT FUNCTION CODE	C	an..3	X
	Description: Code specifying the function of free text.			
C107	**TEXT REFERENCE**	**C**		**X**
	Description: Coded reference to a standard text and its source.			
4441	Free text description code	M	an..17	X
	Description: Code specifying free form text.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
C108	**TEXT LITERAL**	**C**		**O**
	Description: Free text; one to five lines.			
4440	Free text [1..5]	M	an..512	M
	Description: Free form text.			
3453	LANGUAGE NAME CODE	C	an..3	X
	Description: Code specifying the language name.			
4447	FREE TEXT FORMAT CODE	C	an..3	X
	Description: Code specifying the format of free text.			

UNT Message Trailer

Status: M Usage: M Min/Max: 1/1
Group: 5

up

Description:

To end and check the completeness of a message.

Tag	Element Name	Status	Type	Usage
0074	NUMBER OF SEGMENTS IN A MESSAGE	M	n..6	M
	Description: The number of segments in a message body, plus the message header segment and message trailer segment.			
0062	MESSAGE REFERENCE NUMBER	M	an..14	M
	Description: Unique message reference assigned by the sender. **Note:** `Message Reference Number`			

UNZ Interchange Trailer

Status: M Usage: M Min/Max: 1/1
Group: 5

up

Description:

To end and check the completeness of an interchange.

Tag	Element Name	Status	Type	Usage
0036	INTERCHANGE CONTROL COUNT	M	n..6	M
	Description: The number of messages and packages in an interchange or, if used, the number of groups in an interchange.			
0020	INTERCHANGE CONTROL REFERENCE	M	an..14	M
	Description: Unique reference assigned by the sender to an interchange.			

Examples

ACCEPTED

```
UNA:+.? '
UNB+UNOC:3+HLAG:ZZ+RECIPIENT-ID:ZZ+160401:0845+1++++0++1'
UNH+815743340+APERAK:D:04A:UN'
BGM+23:::VERMAS+80+9+AP'
DTM+9:201604011219:203'
FTX+AAI+++Your reported VGM was received and accepted.'
RFF+ACW:80'
RFF+BN:90300221'
RFF+BM:HLCUKC2160430029'
RFF+AAQ:HLCU1260179'
UNT+1'
UNZ+1+1'
```

CONDITIONALLY ACCEPTED

```
UNA:+.? '
UNB+UNOC:3+HLAG:ZZ+RECIPIENT-ID:ZZ+160401:0845+1++++0++1'
UNH+815743340+APERAK:D:04A:UN'
BGM+23:::VERMAS+80+9+CA'
DTM+9:201604011219:203'
RFF+ACW:80'
RFF+BN:90300221'
RFF+BM:HLCUKC2160430029'
RFF+AAQ:HLCU1260179'
ERC+ZZZ'
FTX+AAO+++VALID VGM RECEIVED, BUT CONTAINER NUMBER CURRENTLY NOT LINKED TO
A BOOKING REQUEST. THE REPORTED VGM WILL BE REPROCESSED AUTOMATICALLY.
FINAL ACCEPTANCE/REJECTION WILL BE SENT.'
UNT+1'
UNZ+1+1'
```

REJECTED

```
UNA:+.? '
UNB+UNOC:3+HLAG:ZZ+RECIPIENT-ID:ZZ+180604:0812+9713'
UNH+1+APERAK:D:04A:UN'
BGM+23:::VERMAS+53897+9+RE'
DTM+9:201806040813:203'
RFF+ACW:53897'
RFF+BN:57379558'
RFF+AAQ:HLCU1260179'
ERC+ZZZ'
FTX+AAO+++IDENTICAL VGM ALREADY SUBMITTED EARLIER. STATUS OF EARLIER
SUBMITTED VGM REMAINS UNCHANGED.'
UNT+9+1'
UNZ+1+9713'
```