

**EDI manual**

**ZAPP – status messages**

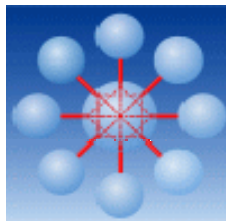
**To the transactions GM01 and GM02**

**Standard: EDIFACT**

**Version 3.0/D**

(Valid from 2<sup>nd</sup> of June 2009/ Test from April 2009)

**ZAPP-specific amendments and information to the  
EDIFACT  
Acknowledgement message APERAK**



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1.0/D	Modification: 8 ERC, DE: 9321,3033,1131	M. Quade 08.10.98	V. Erdelbrock 08.10.98
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2.2/D	Chapter 6.1 „presentation“, contentual amendments in respect of the indications to the presentation of the export documents.	J. Diettrich 09.01.2009	C. Wegner 09.01.2009
3.0/D	Chapter 5 „ZAPP-specifics“, amendment of segment 9/FTX: DE4400#4 and #5 are used and transferred with 70 characters.	J. Diettrich 12.03.2009	C. Wegner 12.03.2009

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# 1 Preface

The present version describes the **APERAK** message that is given back as response to incoming data of the presentation notification or manifest of the transactions GM01/GM02 to the originators. At the same time the **APERAK** message is being used as status message for transaction GM01<sup>1</sup> (loading stop, release,...). Finally ATLAS AES status information „examination“ and „permission to exit“ may be received from ZAPP/AES.

If an error is being recognized during the syntax- or plausibility check of the incoming presentation notification (GM01)/ manifest data (GM02) the APERAK message is used to transmit the corresponding error code. A current schedule with corresponding error codes is available at <http://www.dakosy-direct.de>. The entry of correct data is being acknowledged by the APERAK – combined with the returning of ZAPP references in transaction GM01.

Status messages created by customs (ZAPP) are forwarded to the participants (of the communication) under transaction GM01 (presentation notification).

ZAPP specific explanations and information are based on the EDIFACT guide **Acknowledgement message APERAK**.

## **APERAK messages depending on the transaction**

### **GM01:**

- error messages
- OK messages with returning of the ZAPP reference (B-number or Z-number)
- status messages (loading stop, release, completion, permission to exit, ...)
- notes, warnings

### **GM02:**

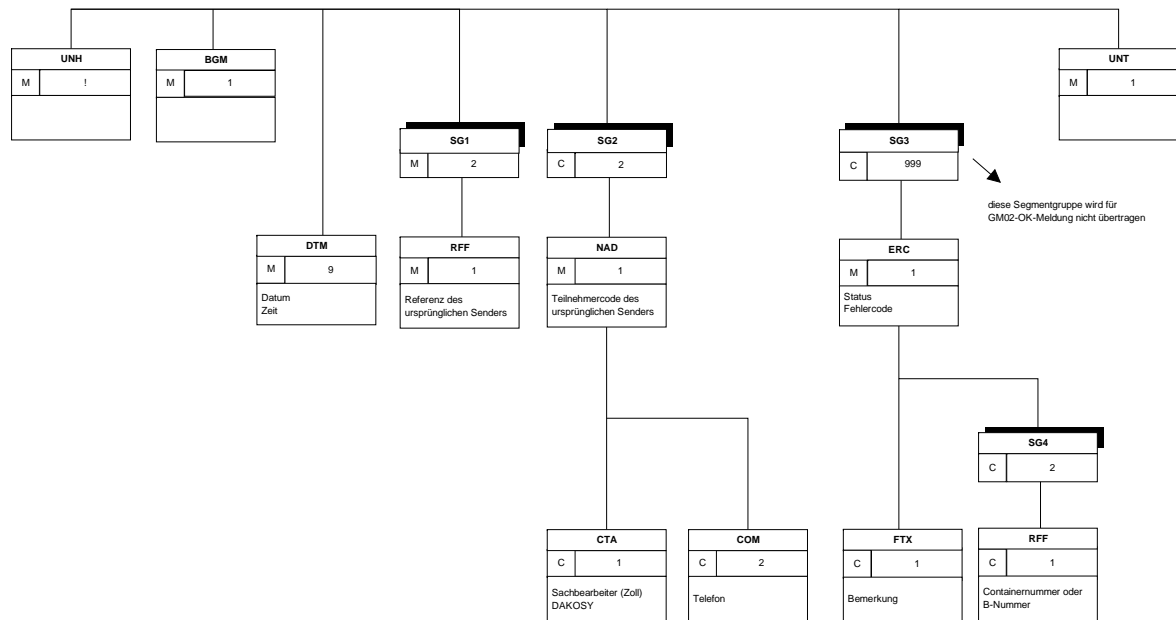
- error messages
- OK messages

**General principles for the communication with DAKOSY are stored in the module „general part“ and therefore no component of this module.**

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<sup>1</sup> A status message (loading stop/release see chapter 5) refers to a ZAPP reference that has been created per presentation notification (GM01) or HDS ( DY01 ).

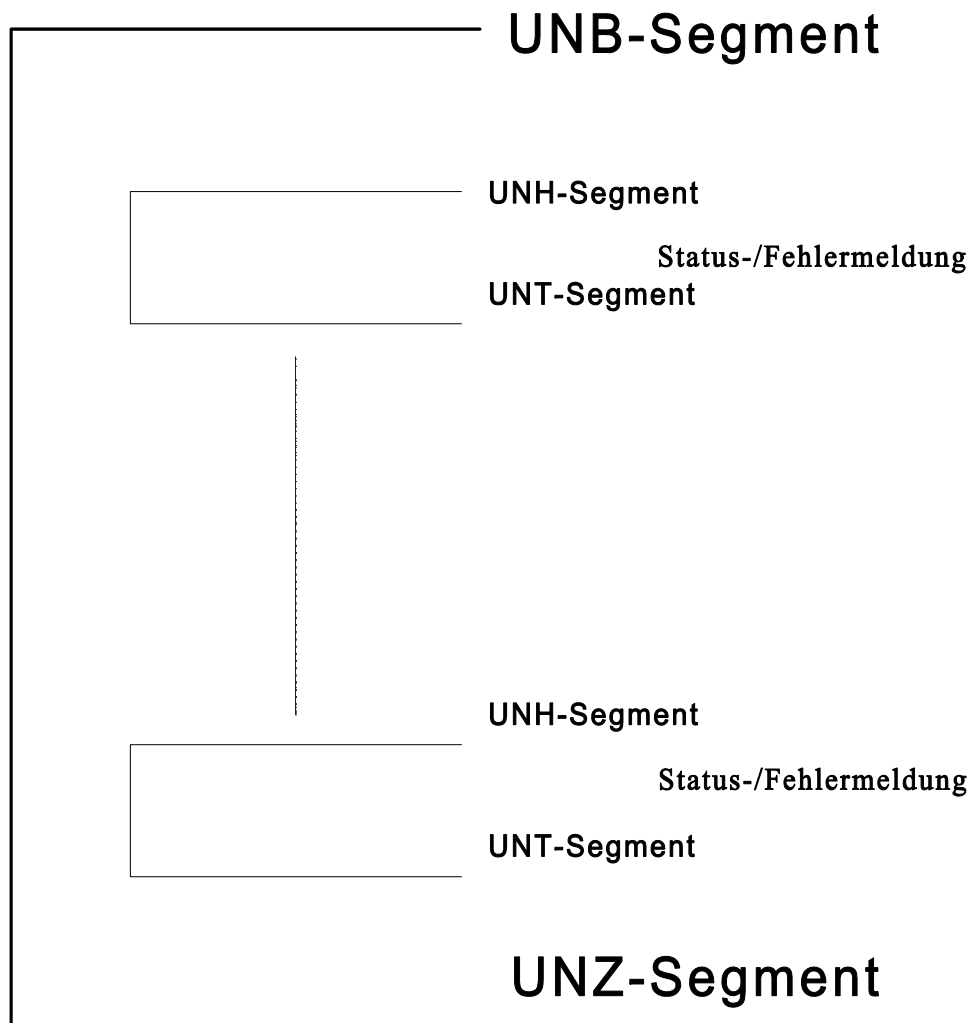
## 2 Message structure



### 3 Service segments

#### 3.1 Formatting rules for the data transmission

The universal form of an interchange looks like follows:



The physical interchange is being limited by the segments UNB and UNZ.

## 4 The message - representation, definitions and regulations to the data segments

### 4.1 UNA Service string advice

The UNA separator default must be placed in front of the UNB header segment of the interchange.

- : separates data elements in a group
- + separates data elements, segment identifier
- . Decimal point; to come up to standard you can use both point and comma as decimal point. Decimal separators must not be used compositely.
- ? Enabling signal; restores the primary meaning of the character that follows the interrogation mark

Blank/space Reserved for subsequent use

- ' Segment terminator (apostrophe , Hex-value 7 D)

### 4.2 Status and use of EDIFACT elements

Legend of column „Segment structure“ of the subsequent table, meaning following:

**M** = Mandatory field  
**C** = Optional field

Legend for column „S“ of the table meaning following:

**R** = required (must be indicated)  
**D** = depends (has to be sent in case of special conditions)  
**O** = optional (It's up to the message sender to transmit the data units)  
**X** = not used

### 4.3 Segment descriptions

#### 4.3.1 UNB Interchange Header

Segment: **UNB**

Name: Interchange Header

Function: Used to initialize, identify and describe an interchange.

Segment structure	Values	S	Notes for application and/or codes	ZAPP-specific comments
UNB	UNB	R		
<b>S001</b> M SYNTAX IDENTIFIER		R		
<b>0001</b> M an..4 Syntax identifier	UNOB	R	Code: UNOB= Upper and lower case letters (DIN EN 29735)	
<b>0002</b> M n..1 Syntax vers.nr.	:1	R	Code: 1 = new version	
<b>S002</b> M INTERCHANGE SENDER		R		
<b>0004</b> M an..35	+	R	Sender identification	
<b>0007</b> K n..4	:	O	Partner identification code qualifier	
<b>0008</b> K an..14	:	X	Address for reverse routing	
<b>S003</b> M INTERCHANGE RECIPIENT		R		
<b>0010</b> M an..35	+	R	Recipient identification	
<b>0007</b> K n..4	:	O	Partner identification code qualifier	
<b>0014</b> K an..14	:	X	Routing address	Continuation Next page

Segment structure	Values	S	Notes for application and/or codes	ZAPP-specific comments
<b>S004</b> M DATE/ TIME OF PREPARATION		R		
<b>0017</b> M n..6	+X	R	Date Format: <b>YYMMDD</b>	
<b>0019</b> M n..4	:X	R	Time Format: <b>HHMM</b>	
<b>0020</b> M an..14	+X	R	This reference must be assigned uniquely!	
<b>S005</b> K RECIPIENTS REFERENCE, PASSWD.		D		
<b>0022</b> M an..14	+X	R	Recipient's reference/ password	
<b>0025</b> K an..2	:	X	Recipient's reference/ password qualifier	
<b>0026</b> K an..14	+	X	Application reference	
<b>0029</b> K an..1	+	X	Processing priority code	
<b>0031</b> K n..1	+	X	Acknowledgement request	
<b>0032</b> K an..35	+	X	Communications agreement id	
<b>0035</b> K n..1	+1	D X	Test indicator Code: <b>1</b> = test data = live data	

### 4.3.2 UNH Message Header

Segment: **UNH**

Name: Message Header

Function: Used to initialize, identify and describe an interchange.

Segment structure	Values	S	Notes for application and/or codes	ZAPP- specific comments
<b>0062</b> M an..14 MESSAGE REFERENCE NUMBER	+X	R		
<b>S009</b> M MESSAGE IDENTIFIER		R		
<b>0065</b> M an..6 Message type id.	+ APERAK	R	Code according the used message type	
<b>0052</b> M n..3 Message type version number	:D	R	Code: D = Draft directory	
<b>0054</b> MMn..3 Message type release number	:95A	R	Code: 95A = Release number	
<b>0051</b> M an..2 Processing organisation	:UN	R		
<b>0057</b> C an..6 Association assigned code	:ZAPP	R		
<b>0068</b> C an..35 COMMON ACCESS REFERENCE	+X	O	Only to be used if explicitly agreed between the interchange partners	
<b>S010</b> C STATUS OF THE TRANSFER		O		
<b>0070</b> M n..2	+1			
<b>0073</b> C a1	:C			

**4.3.3 UNT, Message Trailer M 1**

Segment: **UNT**

Name: Message Trailer

Function: Used to close a message and check the completeness.

Segment structure	Values	S	Notes for application and/or codes	ZAPP- specific comments
<b>0074</b> M n..6 MESSAGE SEGMENT COUNTER	+X	R	Number of segments. The segments UNH and UNT are included in the count.	
<b>0062</b> M an..14 MESSAGE REFERENCE NUMBER	+X	R	Message reference no. of UNH/0062. Data element [0062] must be identical to the one in the UNH- and UNT-segment.	

#### 4.3.4 UNZ Interchange Trailer

Segment: **UNZ**  
 Name: Interchange Trailer  
 Function: Used to complete a message.

Segment structure	Values	S	Notes for application and/or codes	ZAPP- specific comments
<b>0036</b> M n..6 INTERCHANGE CONTROL COUNT	+ X	R	Number of messages	
<b>0020</b> M an..14 INTERCHANGE CONTROL REFERENCE	+ X	R	Reference no. as in UNB/0020	

## 5 ZAPP specifics

Segment: 2 **BGM**

Name: Beginning of message

Segment structure	Values	S	Notes for application and/or codes
<b>BGM</b>	BGM		
<b>C002</b> C		R	
<b>1001</b> C an..3 Document/ message name, coded	+7	R	7 = Process data report GM02: the BGM content of the CUS- CAR/GM02 of DE 1001 is being returned.
<b>1131</b> C an..3	:	X	NOT USED
<b>3055</b> C an..3	:	X	NOT USED
<b>1000</b> C an..35	:	X	NOT USED
<b>1004</b> C an..35 DOCUMENT/MESSAGE NUMBER	+	R	DAKOSY session no.
<b>1225</b> C an..3 MESSAGE FUNCTION, CODED	+9	R	9 = Original
<b>4343</b> C an..3	+	X	NOT USED

Segment: 3 **DTM**

Name: Date/time/period

GM01: Loading stop, ZAPP reference, release, completion

GM02: Confirmation of OK message,

GM01/GM02: Error message

Segment structure	Values	S	Notes for application and/or codes
<b>DTM</b>	DTM		
<b>C507</b> M Date/time		M	
<b>2005</b> M an..3 Qualifier	+46	M	46 = Date and time of loading stop (GM01) 137 = Date and time of error message (GM01/GM02), OK message (GM02) or ZAPP reference(GM01) 204 = Release date (Customs), date and time of release (GM01) or permission to exit; 226 = Discrepancy date/time, date and time of completion (GM01);
<b>2380</b> C n..12 Date/time	:X	R	
<b>2379</b> C an..3 Format qualifier	:203	R	203 = CCYYMMDDHHMM

Segment: 4 **RFF**

Name: Reference of presentor

Segment structure	Values	S	Notes for application and/or codes
<b>RFF</b>	RFF		
<b>C506</b> M REFERENCE		M	
<b>1153</b> M an..3 Reference qualifier	+ABA	M	ABA = Originator's reference, reference of original data sender (DT) ACW = Message reference no. of sender (see A) VON = Voyage number VM = Call-Sign/ Vessel identification
<b>1154</b> C an..35 Reference number	:X	R	Reference no.
<b>1156</b> C an..6	:X	X	NOT USED
<b>4000</b> C an..35	:X	X	NOT USED

**A**

The message reference no. of the sender will be transmitted in the APERAK, if the APERAK message refers to a prior message of the sender (error, B/Z-numbers allocation). The APERAK message „Z-number -Released“ does not contain this reference.

Segment: 5 **NAD**

Name: Data sender (DAKOSY)  
or original data sender

Segment structure	Values	S	Notes for application and/or codes
<b>NAD</b>	NAD		
<b>3035</b> M an..3 PARTY QUALIFIER	+DT		DT = Declarant MS = Message sender
<b>C082</b> C PARTY ID. DETAILS		O	
<b>3039</b> M an..4 Party identifier	+X	M	DAKOSY (MS), ZAPP (MS), ZAES (MS) or DAKOSY participant code of original sender (DT)
<b>1131</b> C an..3 Code list qualifier	:	O	NOT USED
<b>3055</b> C an..3 Code list responsible a- gency, coded	:	O	NOT USED
<b>C058</b> C		X	NOT USED
<b>C080</b> C		X	NOT USED
<b>C059</b> C		X	NOT USED
<b>3164</b> C an..35	+X	X	NOT USED
<b>3229</b> C an..9	+X	X	NOT USED
<b>3251</b> C an..9	+X	X	NOT USED
<b>3207</b> C an..3	+	X	NOT USED

Segment: 6 **CTA**

Name: Contact information  
 Service contact customs department  
 and DAKOSY support

Segment structure	Values	S	Notes for application and/or codes
<b>CTA</b>	CTA		
<b>3139</b> C an..3 CONTACT FUNCTION, CODED	+BF	R	BF = DAKOSY support CC = Service contact customs department (GM01) Only for loading stop, release
<b>C056</b> C DEPARTMENT OR EM- PLOYEE DETAILS		M	
<b>3413</b> C an..17 Department or employee identification	+X	X	NOT USED
<b>3412</b> C an..35 Department or employee	:X	R	Service contact customs department or DA- KOSY support

Segment: 7 **COM**

Name: Communication contact / phone number

The segment will only be sent in ZAPP classic (B-number). AES does not return this information.

Segment structure	Values	S	Notes for application and/or codes
<b>COM</b>	COM		
<b>C076</b> M COMMUNICATION CONTACT		M	
<b>3148</b> M an..512 Communication number	+X	M	Phone no. of DAKOSY support or Phone no. of service contact at customs
<b>3155</b> M an..3 Communication channel qualifier	:TE	M C	TE = Telephone FX = Fax

Segment: 8 **ERC**

Name: Application error information  
 Status, error code

The segment will not be transmitted for OK messages of the GM02.

Segment structure	Values	S	Notes for application and/or codes
<b>ERC</b>	ERC		
<b>C901</b> M APPLICATION ERROR DE- TAIL		M	
<b>9321</b> M an..8 Application error identi- fication	+X	M	<u>ZAPP classic:</u> BNR = B-number (GM01) ERL = Completion (GM01) FRE = Release after prior loading stop (GM01) STO = Loading stop(GM01) others = Error and reference code as per DAKOSY code key (GM01/GM02)  <u>ZAPP/AES:</u> NRL = Temporary Z-number (not re- leased) STO = Exemption/ loading stop RLS = Permission to exit (Z-number released) others = Error and reference code as per DAKOSY code key (GM01/GM02)  AAG = Completion exit UAG = Interdiction exit AAB = Exit cancelled WL = Process in forwarding
<b>1131</b> C an..3 Code list qualifier	ZAP	C	ZAPP
<b>3055</b> C an..3 Code list responsible a- gency, coded	DAK	C	DAKOSY

Segment: 9 **FTX**

Name: Free text

Comments to status modifications or error code

The segment will not be transmitted for OK messages of the GM02.

Segment structure	Values	S	Notes for application and/or codes
<b>FTX</b>	FTX		
<b>4451</b> C an..3 TEXT SUBJECT QUALIFIER	+AAO	C	AAO = Error description
<b>4453</b> C an..3 TEXT FUNCTION, CODED	+1	X	NOT USED
<b>C107</b> C TEXT REFERENCE		X	NOT USED
<b>C108</b> C TEXT LITERAL		R	
<b>4440</b> M an..45 Free text	+X	R	<p>Comments to status modifications or error code.</p> <p>Comment/ type of means of control: The type of means of control (coded) for an examination order (STOP) from AES is indicated.</p> <p><b>Digit allocation:</b></p> <p><b>1:</b> Means of control (B = examination, D = presentation of documents, R = x-ray).</p> <p><b>2:</b> blank</p> <p><b>3-20:</b> MRN</p> <p><b>21-23:</b> MRN position (examination)</p> <p><b>24-35:</b> Short text</p> <p><u>Attention:</u> If the status message is not an examination the following transmission applies:</p>

			<p><b>1:</b> -</p> <p><b>2:</b> blank</p> <p><b>3-20:</b> MRN</p> <p><b>21-23:</b> blank</p> <p><b>24-35:</b> Short text</p> <p>If Segment ERC indicates ATLAS error 403 the following applies:</p> <p><b>Digit 1-20:</b> DY01 403 ATLAS error to MRN</p> <p><b>Digit 21:</b> blank</p> <p><b>Digit 22-40:</b> MRN</p>
<b>4440</b> M an..70	:X	D	<p>Used to transmit texts from ATLAS error messages or loading stops if required.</p> <p>This DE is used in case of error 157 = declaration type SACO, to indicate the invalid B-number.</p>
<b>4440</b> M an..70	:X	D	<p>Used to transmit texts from ATLAS error messages or loading stops if required.</p>
<b>4440</b> M an..70	:X	O	<p>Used to transmit texts from ATLAS error messages or loading stops if required.</p>
<b>4440</b> M an..70	:X	O	<p>Used to transmit texts from ATLAS error messages or loading stops if required.</p>
<b>3453</b> C an..3 LANGUAGE, CODED	+X	X	NOT USED

Segment: 10 **RFF**

Name: Reference

ZAPP reference (B-number or Z-number)  
and container number

The segment will not be transmitted for OK messages of the GM02.

Segment structure	Values	S	Notes for application and/or codes
<b>RFF</b>	RFF		
<b>C506</b> M REFERENCE		M	
<b>1153</b> M an..3 Reference qualifier	+AAQ	M	ABA = Customs valuation decision number, ZAPP reference (GM01); AAQ = Unit load device (e.g. container) identification number, container number
<b>1154</b> C an..35 Reference number	:X	R	ZAPP reference (ABA) or container num- ber(AAQ)
<b>1156</b> C an..6	:X	X	NOT USED
<b>4000</b> C an..35	:X	X	NOT USED

## 6 General proceeding of the export procedure ZAPP (GM01)

The following explanations refer to the classic ZAPP procedure (ZAPP Classic). The document „ZAPP meets AES“ contains a description of the AES process and is available at <http://www.zapp-hamburg.de>, documents, ZAPP/AES.

### 6.1 Presentation

Generally applies: a consignment can only be loaded on board of a vessel after it has been presented so customs has got the opportunity to check the consignment.

The presentation is understood as transmission of a corresponding data set „presentation notification“ (GM01- presentation notification or HDS – port data set) to the ZAPP system.

The goods are considered as presented if the ZAPP system returns the **acknowledgment message** „APERAK with B-number“ back to the originator who entered the B-number.

The corresponding export documents (export declaration, export control message, consignment note, etc.) have to be presented before the dispatch of the vessel.

There is always a clearly defined possibility to allocate the reported B-numbers to the respective presentation notification in the system and the consignment data behind. After the allocation the B-numbers carry the status “presented”, although it is possible that the system might not report B-numbers back as result of the plausibility check (e.g. if the data is incomplete).

## 6.2 Customs release

The presentation notification (GM01 or HDS) must be transmitted to the system at least two hours before the closing for cargo at the terminal/quay.

With the entry of presentation data and the acknowledgment of B-numbers the consignment automatically applies as presented. Presented consignments can be fully included in the preparation and planning of the loading/positioning by the terminal. Customs nevertheless has the opportunity to check and stop the presented consignments in the system until the loading on to the vessel starts. This means:

**No loading of consignments without „B-number“!**

## 6.3 Consignment stop

After the allocation of B-numbers the ZAPP system provides functions for customs whereby it is possible to select and indicate consignments under the terms of specific criteria.

Beside the automatic plausibility check customs may as well stop selected consignments until the loading starts.

Consignments that have been stopped by customs will be reported to all participants. The consignments must be immediately removed from the loading process and have to be marked with a stop indicator.

**The terminals obligate themselves not to load consignments that have been stopped.**

The stop due to customs control requires active administrative action, whereby the data set „loading stop“ is being created by the ZAPP system and the consignment carries the status „stopped“.

After the loading start: Loading stops by customs are only declared in case of serious discrepancies and if criminal proceedings might be required.