EANCOM® 2002, Syntax 3, Edition 2008

Message APERAK

Application error and acknowledgement message

Message Implementation Guidelines
- processed for GS1 Czech Republic

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editel

GS1 Czech Republic

This document describes subset of APERAK message in comply with UN/EDIFACT standard and EANCOM subset. The APERAK message is used to confirm the receipt of the message at the application level and passes error messages generated by the application after receiving the message as needed.

Document revision

Version	Date	Name	Notes
1.00	31.1.2006	Matoušková A., Mikula M.	Final version for distribution
1.01	31.10.2012	Matoušková A., Mikula M.	Added entry in the Commercial Register, tax id, company id and address of message issuer - buyer.

Table of content

1. Introduction

1.1 Status

This document contains implementation guidelines (MIG – Message Implementation Guidelines) for message APERAK (Application Error and Acknowledgement Message). The message is derived from the UN/EDIFACT standard D.01B Syntax 3 edition and EANCOM 2002 Syntax 3 subset Edition 2008.

MESSAGE TYPE	APERAK
REFERENCE DIRECTORY	: D.01B
EANCOM SUBSET VERSION	: 003

1.2 Use of the message

With the APERAK message, the recipient of the original message informs the sender f of the original message of its receipt at the application level. Optionally, it also passes error messages generated after the application receives the message to the sender of the original message.

One APERAK message is generated for one received original message! APERAK must not be used as an acknowledgment of receipt of an interchange.

The APERAK message does not fulfil the function of the CONTRL message, which is generated at the converter level and notifies the original message of any syntax error. APERAK should only be generated by the application software and not by converter.

Partners (mainly the buyer and the supplier), must be mentioned in the APERAK. This parties may differ from the sender and the recipient at the interchange level.

2. Message structure

2.1 Structure of the message according to the UN/EDIFACT D.01B standard

Pos	Tag	Name	S	R
0010	UNH	Message header	M	1
0020	BGM	Beginning of message	M	1
0030	DTM	Date/time/period	C	9
0040	FTX	Free text	C	9
0050	CNT	Control total	C	9
0060		----- Segment group 1 -----	C	99
0070	DOC	Document/message details	M	1
0080	DTM	Date/time/period	C	99
0090		----- Segment group 2 -----	C	9
0100	RFF	Reference	M	1
0110	DTM	Date/time/period	C	9
0120		----- Segment group 3 -----	C	9
0130	NAD	Name and address	M	1
0140	CTA	Contact information	C	9
0150	COM	Communication contact	C	9
0160		----- Segment group 4 -----	C	99999
0170	ERC	Application error information	M	1
0180	FTX	Free text	C	1
0190		----- Segment group 5 -----	C	9
0200	RFF	Reference	M	1
0210	FTX	Free text	C	9
0220	UNT	Message trailer	M	1

2.2 Message subset

For practical purposes, complete definition of the message is too general and wide. Therefore, the message subset was selected which is sufficient for the transfer of required data. The proposal was derived from EANCOM 2002 Syntax Version 3, Edition 2008 for APERAK (verze 003).

Pos	Tag	Name	S	R
0010	UNH	Message header	M	1
0020	BGM	Beginning of message	M	1
0030	DTM	Date/time/period	C	1
0090		----- Segment group 2 -----	M	5
0100	RFF	Reference	M	1
0110	DTM	Date/time/period	C	1
0120		----- Segment group 3 -----	M	2
0130	NAD	Name and address	M	1
0160		----- Segment group 4 -----	C	99999
0170	ERC	Application error information	M	1
0180	FTX	Free text	C	1
0220	UNT	Message trailer	M	1

3. Segments layout

This part describes all segments used in the subset of the described message. Description of segments is derived from the original description of the EDIFACT message and description of EANCOM. Segments are indicated in sequence order as they occur in the message. Only segments used in the subset are indicated. Each segment is described in an independent table which consists of three parts.

- **Table header** – describes basic information about the segment. It contains the following data:
  - Group of segments containing the described segment; its description contains:
    - indication of group SG*nn* (where *nn* is the sequence number of the group of segments)`
    - indicator of mandatory occurrence of the group of segments in the subset (M)andatory –/ (C)onditional`
    - maximum permitted number of repetitions of the group of segments in the subset;

    in the case of multiple repetition of the group of segments with various meanings for particular occurrences, the sequence order of the occurrence within the description expressed by the numerator and the maximum number of repetitions is the denominator of the fraction; the meaning (and content) of the group of segments is not determined by the sequence order of the occurrence but by the relevant qualificators contained in the introductory segment`
    - list of segments and groups of segments contained in the relevant group with indication of segments and groups not used in the subset.
  - Segment; its description contains:
    - code (flag) of the segment (3 characters)
    - indicator of mandatory occurrence of the segment in the subset (M)andatory / (C)onditional`
    - maximum permitted number of occurrences of segments in the subset;

    in the case of multiple repetition of occurrence of the segment with various meanings for particular occurrences, the sequence of the occurrence within the description is expressed by the nominator and the maximum number of repetitions is the denominator in the fraction; the meaning (and content) of the group of segments is not determined by the sequence order of the occurrence but by the relevant qualificators contained in the introductory segment`
    - name of the segment`
    - general description of the function of the segment;
    - sequence number of the segment within description of the subset.
- **Body of the table** – describes information about composed and simple data elements contained in segments. Simple data elements which are not part of composed data elements and composed data elements are indicated **in bold.** The body of the tables is divided into columns:
  - The first column containing the flag and the name of the data element according to the EDIFACT standard.
  - the EDIFACT column containing:
    - status of data elements according to EDIFACT (M)andatory / (C)onditional;
    - format of simple data elements according to the EDIFACT standard;
  - the column Stat. containing the status of the data elements in the subset:
    - (M)andatory – mandatory occurrence in the subset;
    - (C)onditional – non-mandatory occurrence in the subset;

- (D)ependent – the mandatory occurrence in the subset depends on the occurrence of another element in the segment (in the case of more dependences in one segment, in the column indicated with *, there may be a number specifying the relation of partial dependence);
- space – not used;

- the column Description containing description of the use of simple data elements in the subset:
  - in quotation marks “ “ there are qualificators and constants or less complicated numerical codes; after the equal sign “=” there is their meaning; in addition, there could be more detailed description;
  - ***bold italics*** indicate data variables delivered by the application (or created by converter) with reference in brackets ( ) to their description in the part “Mapped variables”; variables are indicated either by the name or flag (if used) and may be completed with and the *italic* written format used or recommended for the application (if it differs from the EDIFACT format); in addition, there may be indication of their meaning or detailed description.

Bottom part of the table – contains additional information about the segment, mainly description of its concrete use in the subset and a simple example.

3.1 Terms definitions

- **EAN location number** is equivalent to GLN – Global Location Number in EAN*UCC, using the standard EAN/UCC-13 numbering structure

3.2 Detailed description of segments used

UNH - M 1 - MESSAGE HEADER				
Function : To head, identify and specify a message. Segment number : 1				
	EDIFACT	Stat.	*	Description
0062 Message reference number	M an..14	M		***Unique number of the sender´s message***. Sequence number of the messages in the interchange. DE 0062 in the UNT will be exactly the same. Sender generated.
S009 MESSAGE IDENTIFIER	M	M		
0065 Message type	M an..6	M		" APERAK " = Application error and acknowledgement message
0052 Message version number	M an..3	M		"D" = Draft version/UN/EDIFACT Directory
0054 Message release number	M an..3	M		"01B" Release 2001 - B
0051 Controlling agency	M an..2	M		"UN" = UN/CEFACT
0057 Association assigned code	C an..6	M		"EAN003" = GS1Version control number (GS1 Code)
0068 Common access reference	C an..35			
S010 STATUS OF THE TRANSFER	C			
0070 Sequence of transfers	M n..2			
0073 First and last transfer	C a1			
Segment notes: This segment is used to head, identify and specify a message. Example : UNH+1+APERAK:D:01B:UN:EAN003'				

BGM - M	1 -	Beginning of message			
Function : To indicate the type and function of a message and to transmit the identifying number. Segment number : 2					
		EDIFACT	Stat.	*	Description
C002	**DOCUMENT/MESSAGE NAME**	C	M		
1001	Document name code	C an..3	M	*	"305" = Application error and acknowledgement
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3	M	*	"9" = EAN (International Article Numbering association)
1000	Document name	C an..35			
C106	**DOCUMENT/MESSAGE IDENTIFICATION**	C	M		
1004	Document identifier	C an..35	M		***CIS_DOKL (1-1)*** *an..15* Message number APERAK
1056	Version identifier	C an..9			
1060	Revision identifier	C an..6			
1225	**Message function code**	C an..3	M	*	***FN_ZPR (1-2)*** Message function - code "6" = Confirmation "27" = Not accepted
4343	**Response type code**	C an..3			

Segment notes:

This segment is used to indicate the type and function of a message and to transmit the identifying number.

Informs about acceptation or rejection of the message by application
It is recommended that the length of the document number be restricted to a maximum of 15 characters and that the number is unique.

Example:
BGM+305+100001+27'

DTM - M	1 -	Date/time/period			
Function : To specify date, and/or time, or period. Segment number : 3					
		EDIFACT	Stat.	*	Description
C507	**DATE/TIME/PERIOD**	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	"137" = Document/message date/time
2380	Date or time or period value	C an..35	M		***DAT_VYST (1-3)*** Date of issue
2379	Date or time or period format code	C an..3	M		***KVALIF_DAT_VYST (1-4)*** Date of issue - format qualifier "102" = CCYYMMDD "203" = CCYYMMDDHHMM "204" = CCYYMMDDHHMMSS

Segment notes:

Segment is used to specify the date of the message APERAK.

Example:
DTM+137:20120110:102'

SG2 - M	1/5 -	RFF-DTM		
RFF - M	1 -	Reference		
Function : To specify a reference. Segment number : 4				

	EDIFACT	Stat.	*	Description
C506 REFERENCE	M	M		
1153 Reference code qualifier	M an..3	M		***DRUH_DOKL (1-5)*** Document type - code covered by APERAK message "AAB" = Proforma invoice number "AAK" = Despatch advice number (DESADV) "ALO" = Receiving advice number (RECADV) "ALS" = Sales report number (SLSRPT) "CD" = Credit note number "CDN" = Commercial dispute reference number (COMDIS) "CIN" = Consolidated invoice number "DL" = Debit note number "DQ" = Delivery note number "IRP" = Inventory report number (INVRPT) "IV" = Invoice number (INVOIC) "ON" = Order number (buyer) "PL" = Price list number (PRICAT) Other types can be added according to code list.
1154 Reference identifier	C an..70	M		***REF_CIS_DOK (1-6)*** *an..15* Document reference number covered by the APERAK message
1156 Document line identifier	C an..6			
4000 Reference version identifier	C an..35			
1060 Revision identifier	C an..6			

Segment notes:
This segment is used to specify reference numbers related to the message which is being acknowledged.

Example:
RFF+IV:2012000123'

SG2 - M	1/5 -	RFF-DTM		
DTM - C	1 -	Date/time/period		
Function : To specify the date and time of the referenced document/message. Segment number : 5				
	EDIFACT	Stat.	*	Description
C507 DATE/TIME/PERIOD	M	M		
2005 Date/time/period qualifier	M an..3	M	*	"171" = Reference date/time
2380 Date/time/period	C an..35	M		***DAT_REF_CIS_DOK (1-7)*** Date to document reference number
2379 Date/time/period format qualifier	C an..3	M		***KVALIF_DAT_REF_CIS_DOK (1-8)*** Date to document reference number – format qualifier "102" = CCYYMMDD "203" = CCYYMMDDHHMM "204" = CCYYMMDDHHMMSS
Segment notes: The segment transmits the date related to the document reference number to which the APERAK message refers. Example: DTM+171:201215090832:203'				

SG2 - C	2/5 -	RFF ~~DTM~~		
RFF - M	1 -	Reference		
Function : To specify a reference. Segment number : 6				

	EDIFACT	Stat.	*	Description
C506 REFERENCE	M	M		
1153 Reference code qualifier	M an..3	M		"ALV" = Registered capital reference
1154 Reference identifier	C an..70	M		***OR_KUP (1-21)*** *an..70* Entry number of the buyer in commercial register (first 70 characters)
1156 Document line identifier	C an..6			
4000 Reference version identifier	C an..35			
1060 Revision identifier	C an..6			

Segment Notes:

This segment is used to transmit text about buyer's (APERAK issuer) record in commercial register. The maximum length of this text string is 70 characters. If the text string is longer, it is possible to place the rest of the characters in the next segment RFF+ALV.

The text can contain national characters in ISO Latin 2 encoding. If both communicating parties agree WIN 1250 encoding can be used as well.

Example:
RFF+ALV:Společnost je vedena v Obchodním registru Krajského obchodního soudu '

SG2 - C		3/5 -	RFF ~~DTM~~		
RFF - M		1 -	Reference		
Function : To specify a reference. Segment number : 7					
		EDIFACT	Stat.	*	Description
C506	**REFERENCE**	M	M		
1153	Reference code qualifier	M an..3	M		"ALV" = Registered capital reference
1154	Reference identifier	C an..70	M		***OR_KUP (1-21)*** *an..70* Entry number of the buyer in commercial register (next 70 characters)
1156	Document line identifier	C an..6			
4000	Reference version identifier	C an..35			
1060	Revision identifier	C an..6			

Segment Notes:

This segment is used to transmit the rest of the text string (next 70 characters) about buyer's (COMDIS issuer) record in commercial register. The maximum length of this text string is 70 characters.

The text can contain national characters in ISO Latin 2 encoding. If both communicating parties agree WIN 1250 encoding can be used as well.

Example:
RFF+ALV:Praha odd. B, vložka 63284'

SG2 - C		4/5 -	RFF ~~DTM~~		
RFF - M		1 -	Reference		
Function : To specify a reference. Segment number : 8					
		EDIFACT	Stat.	*	Description
C506	**REFERENCE**	M	M		
1153	Reference code qualifier	M an..3	M		"VA" = VAT Registration number
1154	Reference identifier	C an..70	M		***DIC_KUP (1-20)*** *an..15* Buyer - VAT registration number for purpose of VAT (DIČ / IČ DPH)
1156	Document line identifier	C an..6			
4000	Reference version identifier	C an..35			
1060	Revision identifier	C an..6			

Segment Notes:

This segment serves for transfer of buyer's (COMDIS issuer) VAT registration number for purpose of VAT.

In Czech Republic it is "DIČ", in Slovak "IČ DPH".

Example:
RFF+VA:CZ60194383'

SG2 - C	5/5 -	RFF ~~DTM~~	
RFF - M	1 -	Reference	
Function : To specify a reference. Segment number : 9			

	EDIFACT	Stat.	*	Description
C506 REFERENCE	M	M		
1153 Reference code qualifier	M an..3	M		"GN" = Government reference number
1154 Reference identifier	C an..70	M		***ICO_KUP (1-19)*** *an..15* Buyer - Company Identification number (IČO / IČ)
1156 Document line identifier	C an..6			
4000 Reference version identifier	C an..35			
1060 Revision identifier	C an..6			

Segment Notes:

The segment serves for transfer of buyer's (COMDIS issuer) IČO (identification number).

Example:
RFF+GN:60194383'

SG3 - M	1 / 2 -	NAD
NAD - M	1 -	Name and address
Function :		To specify the name/address and their related function, either by CO82 only and/or unstructured by C058 or structured by CO80 thru 3207.
Segment number : 10		

		EDIFACT	Stat.	*	Description
3035	**Party function code qualifier**	M an..3	M		"BY" = Buyer
C082	**PARTY IDENTIFICATION DETAILS**	C	M		
3039	Party identifier	M an..35	M		***GLN_KUP (1-9)*** *an..17* Buyer's GLN number
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3	M	*	"9" = EAN (International Article Numbering association)
C058	**NAME AND ADDRESS**	C			
3124	Name and address description	M an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
C080	**PARTY NAME**	C	C		
3036	Party name	M an..35	M		***JMENO_KUP (1-10)*** *an..35* Buyer's business name - 1
3036	Party name	C an..35			***JMENO2_KUP (1-13)*** *an..35* Buyer's business name - 2
3036	Party name	C an..35			
3036	Party name	C an..35			
3036	Party name	C an..35			
3045	Party name format code	C an..3			
C059	**STREET**	C			
3042	Street and number or post office box identifier	M an..35			***ULICE1_KUP (1-15)*** *an..35* Buyer's address – street 1
3042	Street and number or post office box identifier	C an..35			***ULICE2_KUP (1-16)*** *an..35* Buyer's address – street 2
3042	Street and number or post office box identifier	C an..35			
3042	Street and number or post office box identifier	C an..35			
3164	**City name**	C an..35			***MISTO_KUP (1-17)*** *an..35* Buyer's address – place

C819	**COUNTRY SUB-ENTITY DETAILS**	C			
3229	Country sub-entity name code	C an..9			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
3228	Country sub-entity name	C an..70			
3251	**Postal identification code**	C an..17			***PSC_KUP (1-18)*** *an..6* Buyer's address – postcode
3207	**Country name code**	C an..3			

Segment notes:

This segment is used to identify the buyer by GLN localization number.

In the segment the buyer's name and address is recommended to fill in. Buyer's GLN is filled in from the message to which the APERAK message is linked.

The text can contain national characters in ISO Latin 2 encoding. If both communicating parties agree WIN 1250 encoding can be used as well.

Example:

NAD+BY+8594012611009::9++Plusko s.r.o.+Korunovační 7+Praha 7++17000'

SG3 - M 2 / 2 - NAD					
NAD - M 1 - Name and address					
Function : To specify the identification of the message issuer and message receiver. Segment number : 11					
		EDIFACT	Stat.	*	Description
3035	**Party function code qualifier**	M an..3	M		"SU" = Supplier
C082	**PARTY IDENTIFICATION DETAILS**	C	M		
3039	Party identifier	M an..35	M		***GLN_DOD (1-11)*** *an..17* Supplier's GLN number
1131	Code list identification code	C an..			
3055	Code list responsible agency code	C an..3	M	*	"9" = EAN (International Article Numbering association)
C058	**NAME AND ADDRESS**	C			
3124	Name and address description	M an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
C080	**PARTY NAME**	C	C		
3036	Party name	M an..35	M		***JMENO_DOD (1-12)*** *an..35* Supplier's business name - 1
3036	Party name	C an..35			***JMENO2_DOD (1-14)*** *an..35* Supplier's business name - 2
3036	Party name	C an..35			
3036	Party name	C an..35			
3036	Party name	C an..35			
3045	Party name format code	C an..3			
C059	**STREET**	C			
3042	Street and number or post office box identifier	M an..35			
3042	Street and number or post office box identifier	C an..35			
3042	Street and number or post office box identifier	C an..35			
3042	Street and number or post office box identifier	C an..35			
3164	**City name**	C an..35			
C819	**COUNTRY SUB-ENTITY DETAILS**	C			
3229	Country sub-entity name code	C an..9			

1131	Code list identification code	C	an..17		
3055	Code list responsible agency code	C	an..3		
3228	Country sub-entity name	C	an..70		
3251	**Postal identification code**	C	an..17		
3207	**Country name code**	C	an..3		

Segment notes:

This segment is used to identify the supplier by GLN localization number.

In the segment the supplier's name and address is recommended to fill in. Supplier's GLN is filled in from the message to which the APERAK message is linked.

The text can contain national characters in ISO Latin 2 encoding. If both communicating parties agree WIN 1250 encoding can be used as well.

Example:

NAD+SU+8595222685829::9++SYREČKY s.r.o.'

SG4 - C	99999 -	ERC-FTX-~~SG5~~			
ERC - M	1 -	Application error information			
Function : To identify the type of application error within a message. Segment number : 12					
		EDIFACT	Stat.	*	Description
C901	**APPLICATION ERROR DETAIL**	M	M		
9321	Application error code	M an..8	M		***KOD_CHYBY (2-1)*** Error code
1131	Code list identification code	C an..17	M		"ZZZ" = Mutually defined
3055	Code list responsible agency code	C an..3			

Segment notes:

This segment is used to identify the type of application error. Error codes are mutually defined and agreed by partners.

Example:
ERC+CA101:ZZZ'

SG4 - C	99999 -	ERC-FTX-~~SG5~~			
FTX - C	1 -	Free text			
Function : To provide free form or coded text information. Segment number : 13					
		EDIFACT	Stat.	*	Description
4451	**Text subject code qualifier**	M an..3	M		"AAO" = Error description - Volný text
4453	**Free text function code**	C an..3			
C107	**TEXT REFERENCE**	C			
4441	Free text value code	M an..17			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
C108	**TEXT LITERAL**	C	M		
4440	Free text value	M an..512	M		***TXT_CHYBY_1 (2-2)*** *an..140* Text description of error 1
4440	Free text value	C an.. 512	C		***TXT_CHYBY_2 (2-3)*** *an..140* Text description of error 2
4440	Free text value	C an.. 512	C		***TXT_CHYBY_3 (2-4)*** *an..140* Text description of error 3
4440	Free text value	C an.. 512	C		***TXT_CHYBY_4 (2-5)*** *an..140* Text description of error 4
4440	Free text value	C an.. 512	C		***TXT_CHYBY_5 (2-6)*** *an..140* Text description of error 5
3453	**Language, coded**	C an..3			

Segment notes:

This segment is used to provide free text information related to the application error.

The text can contain national characters in ISO Latin 2 encoding. If both communicating parties agree WIN 1250 encoding can be used as well.

Example:
FTX+AAO+++Chybí DIČ kupujícího '

UNT - M 1 - MESSAGE TRAILER				
Function : To end and check the completeness of a message. Segment number : 14				
	EDIFACT	Stat.	*	Description
0074 Number of segments in the message	M n..6	M		The total number of segments in the message is detailed in here.
0062 Message reference number	M an..14	M		The message reference numbered detailed here should equal the one specified in the UNH segment.
Segment notes This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message. Example: UNT+14+1'				

4. Envelope of the message

This part defines the conditions for the UN/EDIFACT exchange.

- The message is part of the standard UN/EDIFACT exchange.
- It is possible to send more messages within one exchange.
- The interchange will be classified into functional groups (UNG, UNE segments).
- Set of character levels D – ISO Latin2;
  the syntax identifier in segment UNB is "UNOD" (in the case of mutual agreement between communicating parties, it is possible to use the character set WIN 1250, which does not fully correspond to the ISO Latin 2 character set).
- The UNA segment need not be used – it will not be sent if the converter of the receiving party does not require it;
  standard separation and service set characters of A level will be used.

The following tables contain definition of service segments of the UNA, UNB and UNZ exchanges:

UNA - -	C	1	SERVICE STRING ADVICE
Function :	To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows.		
Segment number :			

		EDIFACT	Stat.	*	Description
UNA1	**Component data element separator**	M an1	M		"**:**" = Separator of partial data elements
UNA2	**Data element separator**	M an1	M		"**+**" = Separator of data (simple or compounded) elements
UNA3	**Decimal notation**	M an1	M		"**.**" = decimal point
UNA4	**Release character**	M an1	M		"**?**" = Release character Question mark which stands before ', +, : or ?, returns its original meaning
UNA5	**Reserved for future use**	M an1	M		Space
UNA6	**Segment terminator**	M an1	M		"'" = Segment terminator

Segment notes:

The segment contains the sequence of functional characters.

Example:
UNA:+.? '

UNB - -	M	1	INTERCHANGE HEADER			
Function : To start, identify and specify an interchange. Segment number :						
		EDIFACT		Stat.	*	Description
S001	**SYNTAX IDENTIFIER**	M		M		
0001	Syntax identifier	M	a4	M	*	„“UNOD” = Responsible body :UNO“ (a3) completed with the level of character set :D“ (a1)
0002	Syntax version number	M	n1	M	*	„3“ = Verze syntaxe
S002	**INTERCHANGE SENDER**	M		M		
0004	Sender identification	M	an..35	M		***SEND_ID – Identification of the sender*** GLN localization number (n13)
0007	Partner Identification code qualifier	C	an..4	M	*	„14“ = EAN International
0008	Address for reverse routing	C	an..14			
S003	**INTERCHANGE RECIPIENT**	M		M		
0010	Recipient identification	M	an..35	M		***PARTNER_EDI – Identification of the recipient*** GLN localization number (n13)
0007	Partner Identification code qualifier	C	an..4	M	*	„14“ = EAN International
0014	Routing address	C	an..14			
S004	**DATE / TIME OF PREPARATION**	M		M		
0017	Date	M	n6	M		***INT_DATE – Date of creation of exchange*** Format YYMMDD
0019	Time	M	n4	M		***INT_TIME – Time of creation of exchange*** Format HHMM
0020	**Interchange control reference**	M	an..14	M		***INT_RNO – Reference number of exchange*** Assigned by the sender (must be unique)
S005	**RECIPIENT’S REFERENCE PASSWORD**	C				
0022	Recipient’s reference/password	M	an..14			
0025	Recipient’s reference/password qualifier	C	an2			
0026	**Application reference**	C	an..14	C		„APERAK“
0029	**Processing priority code**	C	a1			
0031	**Acknowledgement request**	C	n1			
0032	**Communications agreement identification**	C	an..35	M		„EANCOM“
0035	**Test indicator**	C	n1	C		„1“ = in the case of testing message[1] otherwise not used

[1] Not used for now

Segment notes:

This segment serves for creation of the cover of the exchange and for identification of parties between which the exchange is performed (i.e. the sending party and receiving party). The principle of the UNB segment is identical with that of a physical envelope containing one or more letters or documents which contains the address of the sender and the addressee.

DE 0001: Character set used ISO Latin2, i.e. indication "D" (UNOD).

DE S004: Date and time in the compounded data element states when the sender prepares the interchange. This date and time need not be the same as the date and time contained in the message.
DE S004:0017: The date enables indication of only the two last digits of the year. For incoming messages it is necessary that the receiving application correctly specify the century, i.e. correct completion of the first two digits of the century.

Example:
UNB+UNOD:3+8594012611009:14+8595222685829:14+120110:2149+20++APERAK+++EANCOM'

UNZ -	M	1	INTERCHANGE TRAILER

Function : To end and check the completeness of an interchange.
Segment number :

	EDIFACT	Stat.	*	Description
0036 Interchange control count	M n..6	M		***INT_MSGNO*** Number of reports within the interchange
0020 Interchange control reference	M an..14	M		Identical with DE 0020 in the UNB segment.

Segment notes:

This segment serves for processing of endings of the interchange.

Example:
UNZ+1+20'

5. Mapped variables

This part describes all variables used during mapping. This part serves as an aid for possible preparation and design of the format of an in-house file.

5.1 Variables for the envelope of the message

All variables are obligatory – status M.

INDICATION	Type	Max. length	Format	Description	Note	Mapping
SEND_ID	Num	13		Own identification of the sender	GLN code (localisation) of the sender For outgoing messages generated by the converter	UNB S002:0004
PARTNER_EDI	Num	13		Identification of the recipient	GLN code (localisation) of the recipient – see *PARTNER_ID (1-1)* in the message "SYS" of in-house file)	UNB S003:0010
INT_DATE	Date	6	YYMMDD	Date of creation of interchange	For outgoing messages generated by the converter	UNB S004:0017
INT_TIME	Date	4	HHMM	Time of creation of interchange	For outgoing messages generated by the converter	UNB S004:0018
INT_RNO	Num	14		Reference number of interchange	Always unique For outgoing messages generated by the converter	UNB 0020 UNZ 0020
INT_MSGNO	Num	6		Number of messages within interchange	For outgoing messages generated by the converter	UNZ 0036

5.2 Variables for the message

Transferred data is divided into two groups. In the first group there is data which occurs in the message only once and creates a message header.

In the second group, there are data that specify error messages expressed by a code and / or a free description of 5x 140 characters and can be repeated. The maximum number of repetitions is 99999 repetitions.

For transfer of characters, it is necessary to use the ISO Latin 2 character set, however, in the case of mutual agreement between the communicating parties it is possible to use the WIN 1250 character set which does not fully correspond to the ISO Latin 2 character set.

No	INDICATION	Data specification	Type	Length	D. M.	Align.	Man.	Note, value of item or specification of format	Mapping
Header part of the message – repeating – 1 times									
1-1	CIS_DOKL	Message number APERAK	Char	15		L	M	Generated by application	BGM C106/1004
1-2	FN_ZPR	Message function - code	Char	3		L	M	"6" = Confirmation "27" = Not accepted	BGM 1225
1-3	DAT_VYST	Date of issue	Date	14		L	M	CCYYMMDD CCYYMMDDHHMM CCYYMMDDHHMMSS	DTM C507:2380
1-4	KVALIF_DAT_VYST	Date of issue - format qualifier	Char	3		L	M	"102" = CCYYMMDD "203" = CCYYMMDDHHMM "204" = CCYYMMDDHHMMSS	DTM C507:2379
1-5	DRUH_DOKL	Document type - code covered by APERAK message	Char	3		L	M	"AAB" = Proforma invoice number "AAK" = Despatch advice number (DESADV) "ALO" = Receiving advice number (RECADV) "ALS" = Sales report number (SLSRPT) "CD" = Credit note number "CDN" = Commercial dispute reference number (COMDIS) "CIN" = consolidated invoice number "DL" = Debit note number "DQ" = Delivery note number "IRP" = Inventory report number (INVRPT) "IV" = Invoice number (INVOIC) "ON" = Order number (buyer) "PL" = Price list number (PRICAT)	1-5

1-6	REF_CIS_DOK	Document reference number covered by the APERAK message	Char	15		L	M		SG2-RFF C506:1154
1-7	DAT_REF_CIS_DOK	Date to document reference number	Date	14		L	C	CCYYMMDD CCYYMMDDHHMM CCYYMMDDHHMMSS	SG2-DTM C507:2380
1-8	KVALIF_DAT_ REF_CIS_DOK	Date to document reference number – format qualifier	Char	3		L	M	"102" = CCYYMMDD "203" = CCYYMMDDHHMM "204" = CCYYMMDDHHMMSS	SG2-DTM C507:2379
1-9	GLN_KUP	Buyer's GLN number	Char	17		L	M		SG3-NAD/1 C082:3039
1-10	JMENO_KUP	Buyer's business name 1	Char	35		L	C	Including national character set – ISO Latin 2/WIN 1250	SG3-NAD/1 C080:3036
1-11	GLN_DOD	Supplier's GLN number	Char	17		L	M		SG3-NAD/2 C082:3039
1-12	JMENO_DOD	Supplier's business name - 1	Char	35		L	C	Including national character set – ISO Latin 2/WIN 1250	SG3-NAD/2 C080:3036
1-13	JMENO2_KUP	Buyer's business name 2	Char	35		L	C	Including national character set – ISO Latin 2/WIN 1250	SG3-NAD/1 C080:3036-2
1-14	JMENO2_DOD	Supplier's business name - 2	Char	35		L	C	Including national character set – ISO Latin 2/WIN 1250	SG3-NAD/2 C080:3036-2
1-15	ULICE1_KUP	Buyer's address – street 1	Char	35		L	C	Including national character set – ISO Latin 2/WIN 1250	SG3-NAD/1 C059:3042-1
1-16	ULICE2_KUP	Buyer's address – street 2	Char	35		L	C	Including national character set – ISO Latin 2/WIN 1250	SG3-NAD/1 C059:3042-2
1-17	MISTO_KUP	Buyer's address – place	Char	35		L	C	Including national character set – ISO Latin 2/WIN 1250	SG3-NAD/1 3164
1-18	PSC_KUP	Buyer's address – postcode	Char	6		L	C		SG3-NAD/1 3251
1-19	ICO_KUP	Buyer – Company Identification number (IČO)	Char	15		L	C		SG2-RFF/5 C506:1154
1-20	DIC_KUP	Buyer – VAT registration number (DIČ / IČ DPH)	Char	15		L	C		SG2-RFF/4 C506:1154
1-21	OR_KUP	Buyer – Entry number in commercial register	Char	140		L	C	Including national character set – ISO Latin 2/WIN 1250	SG2-RFF/2,3 C506:1154
Message items – repetition from 0 to max. 99999 times									
2-1	KOD_CHYBY	Error code	Char	8		L	M	Mutually defined by the partners	SG4-ERC C901:9321
2-2	TXT_CHYBY_1	Text description of error 1	Char	140		L	C	Including national character set – ISO Latin 2/WIN 1250	SG4-FTX C108:4440/1
2-3	TXT_CHYBY_2	Text description of error 2	Char	140		L	C	Data must be filled in at least in the 1st line Including national character set – ISO	SG4-FTX C108:4440/2

								Latin 2/WIN 1250	
2-4	TXT_CHYBY_3	Text description of error 3	Char	140		L	C	Data must be filled in at least in the 1st line Including national character set – ISO Latin 2/WIN 1250	SG4-FTX C108:4440/3
2-5	TXT_CHYBY_4	Text description of error 4	Char	140		L	C	Data must be filled in at least in the 1st line Including national character set – ISO Latin 2/WIN 1250	SG4-FTX C108:4440/4
2-6	TXT_CHYBY_5	Text description of error 5	Char	140		L	C	Data must be filled in at least in the 1st line Including national character set – ISO Latin 2/WIN 1250	SG4-FTX C108:4440/5

6. Message example

The following example is an acknowledgment of receipt of an invoice number 2012000123 with date of issue 15.9.2012. The recipient is buyer Plusko s.r.o. identified by GLN code 8594012611009. Upon receipt of the invoice, the application generates APERAK message number 100001 with a date 1.10.2012 to invoice sender supplier SYREČKY s.r.o. identified by GLN code 8595222685829.

The APERAK message number is the next number of the sequence from the number of series that is maintained by the invoice recipient's application. The message informs the sender of the invoice that the invoice has not been accepted (code 27) due to an error CA101 (according to the code list of mutually defined and mutually accepted partners). The text description of the error indicates that the VAT registration number of the buyer is missing in the sent invoice.

```
UNA:+.? '
UNB+UNOD:3+8594012611009:14+8595222685829:14+120110:2149+20++APERAK+++EANCOM'
UNH+1+APERAK:D:01B:UN:EAN003'
BGM+305+100001+27'
DTM+137:20120110:102'
RFF+IV:2012000123'
DTM+171:201215090832:203'
RFF+ALV:Společnost je vedena v Obchodním registru Krajského obchodního soudu '
RFF+ALV:Praha odd. B, vložka 63284'
RFF+VA:CZ60194383'
RFF+GN:60194383'
NAD+BY+8594012611009::9++Plusko s.r.o.+Korunovační 7+Praha 7++17000'
NAD+SU+8595222685829::9++SYREČKY s.r.o.'
ERC+CA101:ZZZ'
FTX+AAO+++Chybí DIČ kupujícího'
UNT+14+1'
UNZ+1+20'
```