ASCII PRODUCTINFORMATION & ARTICLE MESSAGE DESCRIPTION (PAB) 2.0

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1 INTRODUCTION

The electronic exchange and distribution of information is a basic need for the systems being used today. At the moment we want to work beyond the boundaries of our “own systems” the need to do this electronically will be no less, however uniformity is missing, causing large efforts to exchange information correctly and ready for use.

Using this as a starting point, together with participating companies, one has started defining rules and agreements for uniform usage.

Within this format the following issues are regulated:

- Contents and layout of the import/export files
- Changes in relation to the previous (PAB1.05) format

The functional attribute list of the article message (PRICAT) and the product information message (PRODAT) are used as a starting point for this description. The contents of these messages are similar. For the in there used codes, the schematic description of the of the specific entities is use by which the similarity with de GS1 XML files are even greater.

By defining the uniforms description of the ASCII messages, the Instalnet Corporation has decided to stop the further development of the ASCII messages within the installer branch. Starting point for the data communication within the installer branch is the functional classification which, together with EAN The Netherlands is defined in the EAN introduction convention for the installer branch
The messages, which are based on that in EANCOM and XML are the branch standards on which further development by the Instalnet Corporation will take place.

2 INFORMATION-STRUCTURE

2.1 ENTITY RELATION DIAGRAM (ERD)

The entities of the Installers Clasification Structure (Installatie Classificatie Structuur) are not taken into account. These entities are described in the the document “Explanation uitwisselingstructuur publicatie 10” (Clarification Exchange format publication 10).

Note 1: The entity Product is the linking pin to the “Installation Classification Structure (Installatie Classificatie Structuur)” by coupling of a product to a productclass. When a product is classified also the product technical specifications based on the Installers Classification are added.

Note 2: The coupling between Product and Trade article is optional. That means that a Trade Article is allowed to exist without the coupling to an existing product.

Static entities (marked by a grey background) are added as additional information. The Files will be centrally available and are not to be delivered by third parties. In case of an exchange of data, the File relatie.txt must contain all used (coupled or own) relations.

De header Files Hproduct.txt and Hartlev.txt are not a part of this ERD. These header Files are mainly to direct the communication.

2.2 ENTITYIES AND FILES

Entity	***Filename***	***Description***
Product header	Hproduct.txt	Header product information
Product	Product.txt	Technical description of the (base)products
Product technical Specification	ProdSpec.txt	Technical specifications of the (above mentioned) products

Trade Item header	Hartlev.txt	Header information Articles
Trade Item	ArtLev.txt	(Trade)Articles, related to the existing products as mentioned in PRODUCT. Also the prices are part of the File ArtLev.txt
Trade Item	ArtPlus.txt	Extra information belonging to the entity Trade Article
Enclosed Article	ArtIn.txt	Enclosed Article, related to the Trade Article in ARTLEV.
Article Charges / discounts	ArtToKo.txt	Enclosed Charges and discounts, related to the Trade Articles in ARTLEV.
Relation	Relatie.txt	Table with relations
Units	KL_Unit.txt	List with gebruiks-, bestel- and prijsUnits
Dimensions	KL_afmeting.txt	List with dimension Units
Weigth	KL_weight.txt	List with weight Units
Line Mutation Codes	KL_regelmutatie.txt	List with possible notificationcodes on line level
Charge- / discountcoderingen	KL_ToKo.txt	List with allowed codes for the Charges and / or discounts
Filenotificationcodes	KL_Filemutatie.txt	List with possible notificationcodes on Files Level (in the header)
Delivery times	KL_levertijd.txt	List with possible Delivery Time Units
Statuscodes	KL_statuscode.txt	List with possible statuscodes
Type of Packages	KL_verpak.txt	List with possible package codes

Note: The information from the File ArtPlus.txt are Fields which are part of the entity Trade Article.

3 BUILD-UP IMPORT/EXPORT FILES

Hereby the build-up and positioning of the records are described. The files of the classification are not described in this document, however they can also be provided. This is a necessity, because the used classification (version) can differ in relation to the last version of the Instalnet Corporation.

3.1 SIMILARITY WITH GS1 XML

As earlier mentioned these ASCII files are similar to the introduction agreement (invoeringsconventie) and the contents matches with the GS1 XML version 005, which is issued in the fall of 2005. Also the list of optionss with the possible codes are equal. Hereby an overview of the relation with the GS1 XML files:

	Productdata	**Trade article data**
GS1 XML:	PRODAT.XML	PRICAT.XML
ASCII PAB:	HProduct.txt (Obligatory) Product.txt (Obligatory) ProdSpec.txt Relatie.txt (Obligatory)	HArtLev.txt (Obligatory) ArtLev.txt (Obligatory) ArtIn.txt ArtToe.txt ArtPlus.txt Relatie.txt (Obligatory)

The file Relatie.txt is only allowed to be exchanged once in case of the exchange of product- and Article information. In the case of an exchange, it is allowed to exchange only productdata or only Articledata.

The full description of the fields is available in the “invoeringsconventie” of GS1.

3.2 FORMAT DEFINITIONS

In this chapter the format of the textfiles are described. Per file the following definitions are given:

Column	Number from de column. This number is only defined to make communication about this format easier
FieldName	Name for the identification of the Field A **bold** printed Fieldname indicates a keyfield.
Length	De Length of the Field
Format	The format from the Field • A = Alphanumerical, • N = integer, • Z = integer with geheel getal with forerunnerzeros, • D = decimal, D 6.4 means max. 6 digits before the comma and maximal 4 after the comma. Maximal value in this case: “999999.9999” The length of this digit including the decimalsymbol is 11. It is not necessary tofil out with zeros in this file. A value of “5.3” or “6” is also allowed. The Decimalsymbol is “.” (dot) A thousand-separator is not allowed
V/O	(V) Mandatory or (O) optional
Start	The startpostion of the Field
End	The endposition of the Field. (Up-to-and-including this position)
Explanation	Short explanation of the field. If in this fField a standard is indicated,, it does not mean that the field is allowed to stay empty (if a standard value is appropriate in that case)!

3.3 GENERAL NOTES

Note 1: If no Articlecode of the supplier is available, the GTIN must be added.
Note 2: If no productcode manufacturer is known the GTIN product must be added

3.4 PRODUCT HEADER (HPRODUCT.TXT)

The product header contains general information regarding the communicated product lines in the file Product.txt

Column	FieldName	Length	Format	V/O	Start	End	Explanation
1	Message Version	3	A	V	1	3	Mandatory: 002
2	Notification Code	1	N	V	4	4	See List of options F
3	Message Number	17	A	V	5	21	
4	Message Date	8	N	V	22	29	Format: EEJJMMDD
5	GLN supplier	13	N	O	30	42	
6	GLN client	13	N	O	43	55	See note 1
7	GLN central product database	13	N	O	56	68	
8	Not applicable	2	A	V	69	70	Mandatory: CR/LF

Note1: Always two of the three fields must be specified, namely the GLNof the company from which the message originates and the the GLN of the company towards the message is intended to go.

3.5 PRODUCT (PRODUCT.TXT)

In the File Product.txt the productdata is communicated. Thereby it is possible to relate the products to the Instalnet Classification by the Fields Code productgroep, Serialnumber, Version normsheet and Status normsheet.

Column	FieldName	Length	Format	V/O	Start	End	Explanation
1	Notification Code	1	N	V	1	1	See List of options D
2	**Productcode manufacturer**	20	A	V	2	21	See general note 2
3	**GLN manufacturer**	13	N	V	22	34	
4	GTIN product	14	N	O	35	48	
5	Startdate	8	N	O	49	56	
6	Productdescription	70	A	O	57	126	
7	Statuscode	3	A	O	127	129	See List of options H
8	GTIN product successor	14	N	O	130	143	
9	Productcode successor	20	A	O	144	163	
10	GTIN product predecessor	14	N	O	164	177	
11	Productcode predecessor	20	A	O	178	197	
12	Net weight	19	D 15.3	V	198	216	
13	Unit weight	3	A	V	217	219	See List of options C
14	Trade mark	35	A	O	220	254	
15	Productseries	35	A	O	255	289	
16	Producttype	35	A	O	290	324	
17	Code productgroup	4	Z	O	325	328	
18	Serialnumber productclass	3	Z	O	329	331	
19	Version normsheet	2	Z	O	332	333	
20	Status normsheet	1	N	O	334	334	
21	Deeplink	512	A	O	335	846	
22	Not applicable	2	A	V	847	848	Mandatory: CR/LF

3.6 PRODUCTTECHNICAL SPECIFICATION (PRODSPEC.TXT)

The optional File ProdSpec.txt is an appendix to Product.txt and is separetely been communicated. This File contains the featurevalue belonging to the features according the class in which the product is classified.

Column	*FieldName*	*Length*	*Format*	*V/O*	*Start*	*End*	*Explanation*
1	**Productcode manufacturer**	20	A	V	1	20	See general note 2
2	**GLN manufacturer**	13	N	V	21	33	
3	**Code feature**	8	Z	V	34	41	
4	Code waarde	8	A	O	42	49	
5	Technical specificatie	70	A	O	50	119	
6	Numerical waarde	20	D 15.3	O	120	139	
7	Logische waarde	3	A	O	140	142	Choice: NO, YES
8	Feature lowest value	20	D 15.3	O	143	162	
9	Feature highest value	20	D 15.3	O	163	182	
10	Not applicable	2	A	V	183	184	Mandatory: CR/LF

3.7 TRADE ARTICLE HEADER (HARTLEV.TXT)

De (trade)Article header contains general data about the communicated Article lines in the File ArtLev.txt.

Column	*FieldName*	*Length*	*Format*	*V/O*	*Start*	*End*	*Explanation*
1	Message Version	3	A	V	1	3	Mandatory: 002
2	Type of message	3	A	V	4	6	See note 1
3	Articlemessagenumber	17	A	V	7	23	
4	Messagedate	8	N	V	24	31	Format: EEJJMMDD
5	Notification Code	1	N	V	32	32	See List of options F
6	Indication pricechange	3	A	V	33	35	Choice: YES, NO
7	GLN supplier	13	N	O	36	48	See note 2
8	GLN customer	13	N	O	49	61	See note 2
9	GLN central ArticleFile	13	N	O	62	74	See note 2
10	Not applicable	2	A	V	75	76	Mandatory: CR/LF

Note 1: Code 9 = Technical conditions; Code 25E = Commercial conditions
Note 2: Always two of the three fields must be specified, namely the GLN of the company from which the message originates and the the GLN of the company towards the message is intended to go.

3.8 TRADE ARTICLE (ARTLEV.TXT)

The File ArtLev.txt contains the Trade Articleinformation. Some repeating parts per Article are put in separate Files. (ArtIn, ArtToKo and ArtPlus).

Column	*FieldName*	*Length*	*Format*	*V/O*	*Start*	*End*	*Explanation*
1	Notification Code	1	N	V	1	1	See List of options D
2	**Articlecode supplier**	20	A	V	2	21	See general note 1
3	**GLN supplier**	13	N	V	22	34	
4	GTIN	14	N	O	35	48	Format: EEJJMMDD
5	Startdate priceneutral data	8	N	O	49	56	
6	Code orderability	3	A	V	57	59	Choice: YES, NO
7	Code processable	3	A	V	60	62	Choice: YES, NO
8	Statuscode	3	A	O	63	65	See List of options H
9	GTIN successor	14	N	O	66	79	
10	Articlecode successor	20	A	O	80	99	
11	GTIN predecessor	14	N	O	100	113	
12	Articlecode predecessor	20	A	O	114	133	
13	Amount of Utilizationunits	16	D 12.3	V	134	149	Standard: 1
14	Utilizationunit	3	A	V	150	152	See List of options A
15	GLN manufacturer	13	N	O	153	165	See note 1
16	Productcode manufacturer	20	A	O	166	185	See general note 2 and note 1
17	GTIN product	14	N	O	186	199	See note 1
18	Articlecode manufacturer Article	20	A	O	200	219	See general note 1 and note 1
19	GTIN manufacturer Article	13	N	O	220	233	See note 1
20	Supplier Product group code	17	A	O	234	250	
21	National Product Group code	17	A	O	251	267	
22	Articledescription	70	A	O	268	337	
23	Code verpakkingsvorm	3	A	O	338	340	See List of options I
24	Bruto weight	19	D 15.3	O	341	359	
25	Measure Unit QulifierWeight	3	A	O	360	362	See List of options C
26	Heigth package	19	D 15.3	O	363	381	
27	Length package	19	D 15.3	O	382	400	
28	Width package	19	D 15.3	O	401	419	
29	Order Measure Unit Qualifier	3	A	O	420	422	See List of options B
30	Order Measure Unit Qualifier Quantity	3	A	O	423	425	See List of options A
31	Minimum Ordering Quantity	16	D 12.3	O	426	441	
32	Incremental Order Quantity	16	D 12.3	O	442	457	
33	Leadtime	15	N	O	458	472	
34	Measure Unit Qualifier L:eadtime	6	A	O	473	478	See List of options G
35	Startdate priceinformation	8	N	O	479	486	EEJJMMDD
36	Tax Category Code	1	A	O	487	487	E=not madatory, S=standard
37	Tax Rate	18	D 13.4	O	488	505	
38	Follow Manufacturere Price	3	A	O	506	508	Choice: YES, NO
39	Gross Price Handling Charge	16	D 11.4	O	509	524	
40	Discount Group	35	A	O	525	559	
41	Gross Unit Price	16	D 11.4	O	560	575	
42	Amount of prijsbasis	10	D 6.3	O	576	585	
43	Price Unit	3	A	O	586	588	See List of options A
44	Net Unit Price	16	D 11.4	O	589	604	
45	Price Mutiplier Rate	16	D 12.3	O	605	620	Mandatory if orderable Article
46	Currencycode	3	A	O	621	623	Standard: EUR (ISO 4217)
47	Not applicable	2	A	V	624	625	Mandatory: CR/LF

Note 1: A relation can be made to the Article and / or the product of the manufacturer through the GTIN key and / or de combination of GLN and Article- or productcode.

3.9 ENCLOSED ARTICLE (ARTIN.TXT)

The optional File ArtIn.txt is an appendix to ArtLev.txt and is not being communicated separtely. This File contains a hierarchy from enclosed Articles.

Column	*FieldName*	*Length*	*Format*	*V/O*	*Start*	*End*	*Explanation*
1	**Articlecode supplier**	20	A	V	1	20	See general note 1
2	**GLN supplier**	13	N	V	21	33	
3	**SUB GLN supplier**	13	N	V	34	46	
4	**SUB Articlecode supplier**	20	A	V	47	66	
5	Amount of enclosed Articles	10	D 5.4	V	67	76	
6	Sublinenumber	3	A	V	77	82	
7	Not applicable	2	A	V	83	84	Mandatory: CR/LF

3.10 ARTICLE CHARGES AND/OR DISCOUNTS (ARTTOKO.TXT)

The optional File ArtToKo.txt is an appendix to ArtLev.txt an can not communicated separately. In this File several Charges and / or discounts are defined.

Column	*FieldName*	*Length*	*Format*	*V/O*	*Start*	*End*	*Explanation*
1	**Articlecode supplier**	20	A	V	1	20	See general note 1
2	**GLN supplier**	13	N	V	21	33	
3	**Soort Charge / discount**	3	A	V	34	36	See List of options E
4	**Startdate Charge / discount**	8	N	V	37	44	
5	Calculation Sequence Indicator	2	N	O	45	46	
6	Charge- / discountcode	1	A	V	47	47	Choice: A = Discount, C = Charge
7	Description other Charge / discount	35	A	O	48	82	
8	TLanguage Code description	2	A	O	83	84	Standard: NL (ISO 632)
9	Charge- / discountpercentage	11	D 6.4	O	85	95	
10	Charge- / discountbedrag	16	D 11.4	O	96	111	
11	Valutacode	3	A	O	112	114	Standard: EUR (ISO 4217)
12	Range minimum	19	D 15.3	O	115	133	See list of options A
13	Unit Range minimum	3	A	O	134	136	
14	Not applicable	2	A	V	137	138	Mandatory: CR/LF

3.11 EXTRA ARTICLE FIELDS (ARTPLUS.TXT)

The optional File ArtPlus.txt is an appendix to ArtLev.txt and kan not separtely be communicated. These Fields can be taken into the entity Trade Article. Becausethese fields consume a large amount of space, and care clearly optional this structure has been chosen.

Column	*FieldName*	*Length*	*Format*	*V/O*	*Start*	*End*	*Explanation*
1	**Articlecode supplier**	20	A	V	1	20	See general note 1
2	**GLN supplier**	13	N	V	21	33	
3	**Code value**	20	A	V	34	53	See note 2
4	Languagecode value	2	A	V	54	55	Standard: NL
5	Value	512	A	V	56	567	See note 1
6	Not applicable	2	A	V	568	569	Mandatory: CR/LF

Note 1: The maximal allowed length of the value is in some cases shorter than 512. See the length's in the File ArtPlusD.txt at the different value codes

Note 2: For the possible value codes See the following table

Code value	*Length*	*Description*
DL1	512	Deeplink
KM01	70	Free featurevalue 1
KM02	70	Free featurevalue 2
KM03	70	Free featurevalue 3
KM04	70	Free featurevalue 4
KM05	70	Free featurevalue 5
KM06	70	Free featurevalue 6
KM07	70	Free featurevalue 7
KM08	70	Free featurevalue 8
KM09	70	Free featurevalue 9
KM10	70	Free featurevalue 10

3.12 RELATION (RELATIE.TXT)

The File Relatie.txt contains all relations which are used all Files.

Column	*FieldName*	*Length*	*Format*	*V/O*	*Start*	*End*	*Explanation*
1	**GLN**	13	N	V	1	13	
2	Name	35	A	O	14	48	
3	Street and number	35	A	O	49	83	
4	City	35	A	O	84	118	
5	Postalcode	9	A	O	119	127	
6	Country	2	A	O	128	129	Standard: NL
7	Not applicable	2	A	V	130	131	Mandatory: CR/LF

4 LIST OF OPTIONSS

Following are lists of options. The first column contains the code which has to be entered, the second column contains a short description of the code. This list of options will centrally be made available, according the definition described in Chapter 5.

4.1.1 List of options A (UtilizationUnit, Price Unit e.d.)

CMT	Centimetre
GRM	Gram
KGM	Kilogram
LTR	Litre
MMT	Millimetre
MTK	Square Metre
MTQ	Cubic wither
MTR	Metre
PCE	Piece
TNE	Ton

4.1.2 List of options B (Measure Unit Qualifier)

CMT	Centimetre
MMT	Millimetre
MTR	Metre

4.1.3 List of options C (Weight Unit)

GRM	Gram
KGM	Kilogram
TNE	Ton

4.1.4 List of options D (Notificationcode op regelniveau)

1	Addition / New
2	Remove
3	Change
4	Confirm, no change

4.1.5 List of options E (Charge / discount soorten)

ADR	Total others (Charge / discount)
CRS	Disposal contribution (Charge)
DBD	Debtor related (Charge / discount)
QD	Graduated discount (discount)
SH	Discount Handling Charge (discount)
TD	Tradediscount (discount)

4.1.6 List of options F (Notificationcode op Filesniveau)

2	New assortment
3	Expired from the total assortment
4	Change within the current assortment
5	Replacement of the total assortment

4.1.7 List of options G (Delivery times)

HOURS	hours
DAYS	Days
WEEKS	Weeks

4.1.8 List of options H (Statuscode)

84E	Upcoming
94E	Outgoing

4.1.9 List of options I (Type of Packages)

08	One-off pallet
09	Pallet to be send back
200	Pallet ISO 0-1/2 EURO pallet, format 80 x 60 cm
201	Pallet ISO 0-1/1 EURO pallet, format 80 x 120 cm
202	Pallet ISO 2 pallet, format 100 x 120 cm
203	1/4 EURO pallet, format 60 x 40 cm
204	1/8 EURO pallet, format 40 x 30 cm
210	Wholesale dealer pallet
211	Pallet 80 x 100 cm
212	Pallet 60 x 100 cm
AE	Aerosol (pressurized)
BA	Barrel
BC	Bottle rack
BE	Bundle
BG	Bag
BGE	Bigbag
BJ	Bucket
BME	Blister
BO	Bottle, unprotected, cilindric
BU	Vessel, large (for liquids)
BX	Box,(with cover)
CA	Can, rectangular
CT	Carton Box
CX	Can, cylindric
DR	Can (for oil)
JC	Jerrycan, rectangle
JY	Jerrycan, cylindric
LEN	Length, a delivery unit existing of a single length of material with a predetermined dimensio
MPE	Multipack (more than one pieces of the same Article/product)
NE	Unpacked
OPE	Oxygen packaged
PG	Sheet
PK	Package
RG	Ring (hollow, round, material is winded around itself)
RL	Reel, (winded on a reel)
RO	Roll (round package)
STE	Set, combinationpackage (different kind of Articles in a package)
SW	Shrinkfolie
TAE	Tablet, coated tablet, pellet
TB	Tank (open, round, wood)
THE	Threepack
TRE	Rolcontainer
TTE	Standing tube,
TU	Tube (example glue, not standing)
TWE	Twopack
VY	Silo

5 STATIC FILES FOR COMMUNICATION OF THE LIST OF OPTIONS

The following are the definition of format in which optionslists will be communicated. These files will centrally made available. These files can not be communicated with normal data interchange.

5.1 UNITS, LIST OF OPTIONS A (KL_UNIT.TXT)

Column	FieldName	Length	Format	V/O	Start	End	Explanation
1	**Code**	3	A	V	1	3	See List of options A
2	not applicable	7	A	V	4	10	
3	Description	150	A	V	11	160	
4	not applicable	2	A	V	161	162	Mandatory: CR/LF

5.2 DIMENSIONS, LIST OF OPTIONS B (KL_AFWITHING.TXT)

Column	FieldName	Length	Format	V/O	Start	End	Explanation
1	**Code**	3	A	V	1	3	See List of options B
2	not applicable	7	A	V	4	10	
3	Description	150	A	V	11	160	
4	not applicable	2	A	V	161	162	Mandatory: CR/LF

5.3 WEIGTH, LIST OF OPTIONS C (KL_WEIGHT.TXT)

Column	FieldName	Length	Format	V/O	Start	End	Explanation
1	**Code**	3	A	V	1	3	See List of options C
2	not applicable	7	A	V	4	10	
3	Description	150	A	V	11	160	
4	not applicable	2	A	V	161	162	Mandatory: CR/LF

5.4 LINE MUTATION CODES, LIST OF OPTIONS D (KL_REGELMUTATIE.TXT)

Column	FieldName	Length	Format	V/O	Start	End	Explanation
1	**Code**	1	N	V	1	1	See List of options D
2	not applicable	9	A	V	2	10	
3	Description	150	A	V	11	160	
4	not applicable	2	A	V	161	162	Mandatory: CR/LF

5.5 CHARGE- / DISCOUNT CODERINGEN, LIST OF OPTIONS E (KL_TOKO.TXT)

Column	FieldName	Length	Format	V/O	Start	End	Explanation
1	**Code**	3	A	V	1	3	See List of options E
2	not applicable	7	A	V	4	10	
3	Description	150	A	V	11	160	
4	not applicable	2	A	V	161	162	Mandatory: CR/LF

5.6 FILENOTIFICATIONCODES, LIST OF OPTIONS F (KL_FILEMUTATIE.TXT)

Column	FieldName	Length	Format	V/O	Start	End	Explanation
1	**Code**	1	N	V	1	1	See List of options F
2	not applicable	9	A	V	2	10	
3	Description	150	A	V	11	160	
4	not applicable	2	A	V	161	162	Mandatory: CR/LF

5.7 DELIVERY TIMES, LIST OF OPTIONS G (KL_LEVERTIJD.TXT)

Column	FieldName	Length	Format	V/O	Start	End	Explanation
1	**Code**	6	A	V	1	6	See List of options G
2	not applicable	4	A	V	7	10	
3	Description	150	A	V	11	160	
4	not applicable	2	A	V	161	162	Mandatory: CR/LF

5.8 STATUSCODES, LIST OF OPTIONS H (KL_STATUSCODE.TXT)

Column	FieldName	Length	Format	V/O	Start	End	Explanation
1	**Code**	3	A	V	1	3	See List of options H
2	not applicable	7	A	V	4	10	
3	Description	150	A	V	11	160	
4	not applicable	2	A	V	161	162	Mandatory: CR/LF

5.9 TYPE OF PACKAGES, LIST OF OPTIONS I (KL_VERPAK.TXT)

Column	FieldName	Length	Format	V/O	Start	End	Explanation
1	**Code**	3	A	V	1	3	See List of options I
2	not applicable	7	A	V	4	10	
3	Description	150	A	V	11	160	
4	not applicable	2	A	V	161	162	Mandatory: CR/LF

6 CHANGES RELATIVE TO THE PREVIOUS FORMAT

Some small editorial changes are made in all files. These will not all separately be mentioned. A few examples are:

- "EAN-Code ..." is now called "GTIN ..."
- "EAN adrescode ..." is now defined as "GLN ..."
- "Weightunit" is now defined as "Unit of weight"

6 PRODUCT HEADER (HPRODUCT.TXT)

- New File with general information about the products as communicated in Product.txt

6.1 PRODUCT (PRODUCT.TXT)

- Notificationcode: Option 4 added zijnde 'confirm, no change'
- Productdescription: New field
- GTIN product successor: Type changed to N
- GTIN predecessor: Type changed to N
- Net weight: Length increased from 10 to 19 positions
- Brand: Name changed to "Trade mark"
- Code productgroep: Type changed from Z to A
- Volgnumber: Type changed from N to A
- Status normblad: Type changed from N to A
- Deeplink: New field
- Mutationdate: Expired

6.2 PRODUCTTECHNICAL SPECIFICATION (PRODSPEC.TXT)

- Code feature: Type changed from N to A
- Code feature: Length increased from 4 to 8 positions
- Code value: Name changed. Was: "Alfanumericalwaardecode"
- Code value: Type changed from N to A
- Code value: Length increased from 4 to 8 positions
- Technical specification: Name changed. Was: "Featuretext"
- Numerical value: Name changed. Was: "Featurevalue"
- Numerical value: Length increased from 10 to 20 positions
- Logische value: Length increased from 1 to 3
- Logische value: List of options possible values changed YES was T and NO was F
- Feature Lowest Value: Name changed. Was: "Lowest featurevalue"
- Feature Lowest Value: Length increased from 10 to 20 positions
- Feature Highest Value: Name changed. Was: "Highest featurevalue"
- Feature Highest Value: Length increased from 10 to 20 positions

6.3 TRADE ARTICLE HEADER (HARTLEV.TXT)

- New File with general information concerning the Articles as communicated in ArtLev.txt

6.4 TRADE ARTICLE (ARTLEV.TXT)

- Notificationcode: Option 4 added, being 'confirm, no shange'
- Startdate priceneutral inforamatio. Name changed. Was: "Startdate Article"
- Code orderability: Length increased from 2 to 3 positions
- Code orderability: List of options aangepast. YES was TU
- Code processable: Length increased from 2 to 3 positions
- Code processable: YES was SU, NO was NS
- Amount of Utilization: Field increased from 10 to 16 positions
- UtilizationUnit: Limited list of options (A) established

- GTIN product: New Field
- Articlecode manufacturer article: New Field
- GTIN manufacturer article: New Field
- Supplier Product Group Code: Length increased from 10 to 17 positions
- CBS-number: Length increased from 12 to 17 positions
- Article Description: Name changed. Was “Supplierdescriptionm”
- Articledescription: Length increased from 50 to 70 positions
- Gross weight: Length increased from 10 to 19 positions
- Measure Unit Qualifier Weight: Limited List of options (C) established
- Heigth package: Length increased from 10 to 19 positions
- Length pacakage: Length increased from 10 to 19 positions
- Width package: Length increased from 10 to 19 positions
- Order Measure Unit : Limited List of options (B) established
- Minimum ordering quantity: Length increased from 10 to 16 positions
- Unit order: Field replaces besteleenheid and Unit afname
- Measure Order Unit Qualifier: Beperkte List of options (A) established
- Incremental order quantity: Length increased from 10 to 16 positions
- Lead time: Length enlarged from 10 to 15 positions
- Order Measure Unit Qualifier Leadtime: Length increased from 3 to 6
- Order Measure Unit Qualifier Leadtime: Limited List of options (G) established
- Startdate priceinformation: Field moved from ArtPr.txt
- Code Tax rate: Field moved from ArtPr.txt
- Code Tax rate: Code ‘E’ no longer possible
- Tax rate: Field moved from ArtPr.txt
- Tax rate: Length increased from 10 to 18 positions
- Indication follow manufacturerprice: Field moved from ArtPr.txt
- Indication follow manufacturerprice: Length increased from 2 to 3 positions
- Indication follow manufacturerprice: List of options changed: YES was MF. NO is added
- Gross price handling charge: Field moved from ArtPr.txt
- Gross price handling charge: Length increased from 10 to 16 positions
- Discount group: Field enlarged from 20 to 35 positions
- Gross price: Field overgeplaatst uit ArtPr.txt
- Gross price: Length increased from 10 to 16 positions
- Amount Pricebase: Field moved from ArtPr.txt. Was: Amount of prijsUnits per prijs
- Price Unit: Field overgeplaatst uit ArtPr.txt.
- Price Unit: List of options (A) vastgesteld
- Net Unit Price: Field moved from ArtPr.txt
- Net Unit Price: Length increased from 10 to 16 positions
- Price Multplier rate: Field increased from 10 to 16 positions
- Currencycode: Field moved from ArtPr.txt
- Mutation date: Field Expired (also expired mutatiedatum from ArtPr.txt)

6.5 PRICE DEVELOPMENT (ARTPR.TXT)

- This file is removed, most Fields are (sometimes changed) added in ArtLev.txt

6.6 ENCOLSED ARTICLE (ARTIN.TXT)

- New File

6.7 ARTICLE CHARGES (ARTTOE.TXT)

- New File

6.8 EXTRA ARTICLE FIELDEN (ARTPLUS.TXT)

- New File

6.9 RELATION (RELATIE.TXT)

- GLN: Type changed from A to N
- Street and and number: New Field
- City: New Field
- Mail Code: New Field
- Country: New Field

6.10 MERK (MERK.TXT)

- File is removed

6.11 VERSION (VERSIE.TXT)

- File is removed

6.12 UNITS (KL_UNIT.TXT)

- New File

6.13 DIMENSIONS (KL_AFMETING.TXT)

- New File

6.14 WEIGTH (KL_WEIGHT.TXT)

- New File

6.15 LINE MUTATION CODES (KL_REGELMUTATIE.TXT)

- New File

6.16 CHARGE- / DISCOUNTCODERINGEN (KL_TOKO.TXT)

- New File

6.17 FILE MUTATION CODES (KL_FILEMUTATIE.TXT)

- New file

6.18 DELIVERY TIMES (KL_LEVERTIJD.TXT)

- New file

6.19 STATUSCODES (KL_STATUSCODE.TXT)

- New file

6.20 TYPE OF PACKAGE (KL_VERPAK.TXT)

- Filename changed from verpak.txt to KL_verpak.txt
- Space of 7 characters added to become consistent with the other list of options file definitions
- Description: Length increased from 30 to 150 positions