User Guide

How to understand HLZ file formats
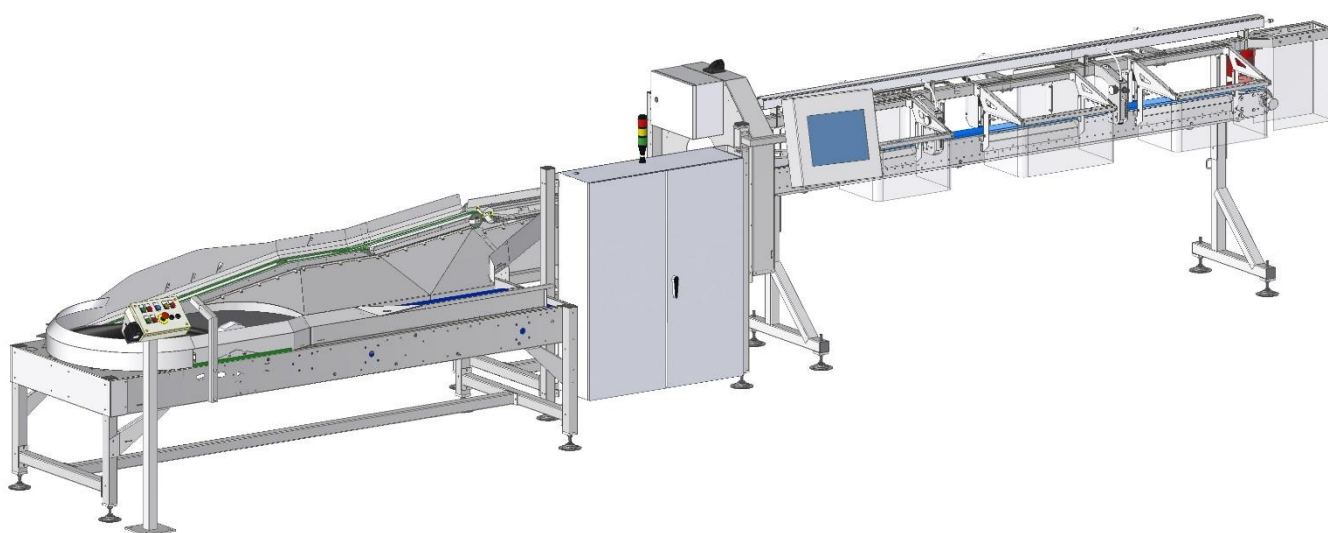
Anker Andersen A/S
Anker Andersen Vej 1
DK-7160 Tørring
Tel: +45 7033 2233

ankerandersen
shaping. intelligent. solutions

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User Guide

Anker Andersen ● Anker Andersens vej 1 ● 7160 Tørring ● Denmark

How to understand HLZ file formats

1. Introduction

The sales and non-sales reports define the counting result of a given batch.

The reports are placed in the files: Machine ID/*BatchID.sls and Machine ID/BatchID.nls* (default) as semicolon separated files. The file consists of a header and POS lines with the Machine ID, the article barcodes, the actual time stamp for detection and the batch ID.

1.1 Sales Report

The sales report (.sls file) includes all counted articles, which have been defined as refundable.

Articles are accepted, if the barcodes are defined in the the Pricat*

The file can be viewed in a text editor like PSPad, or imported as text in an Excel spreadsheet or similar (see examples on the following pages).

*) Pricat (Price/Sales Catalogue). See document *How to Create Pricat files.*

1.2 Non-sales Report

The non-sales report (.nls file) includes all counted articles, which have been defined as non-refundable.

Articles are accepted as non-refundable, if the barcodes are defined in the SortingPricat** and if the barcodes are not to be found in the Pricat* or processing is done without a Pricat*.

Articles detected without the barcodes defined in any of the Pricats are also accepted as non-refundable (unknown).

Articles detected with damaged or no barcodes are also accepted but registered with dummy codes in the non-sales report.

The file can be viewed in a text editor like PSPad, or imported as text in an Excel spreadsheet or similar (see examples on the following pages).

**) See document *How to Create Sorting Pricat files.*

1.3 Formats

The Standard is a flat ASCII with the following properties:

The semicolon (;) is the separator.
Null entries (empty fields) must also have a terminating semicolon.
Null entries at the end of a record type are terminated with a semicolon.

2. Identification

Applies to both file types.

2.1. Header

Mandatory, used by the system to identify the file type.

Field No.1:	HDR	Always (identifier for heading section)
Field No.2:	xx	Fort-running number
Field No.3:	Blank	Identifier of message type
Field No.4:	Blank	Message version number
Field No.5:	Date of creation	YYYYMMDD
Field No.6:	GLN First distributer	Dummy 0000000000000 (13 zeroes) allowed
Field No.7:	GLN Service provider	Dummy 0000000000000 (13 zeroes) allowed
Field No.8:	9	Always

Example:

HDR;033;;;20171107;0000000000000;0000000000000;9

2.2. POS lines

The POS line contains the following information:

Field No.1:	POS	Always (Identifier for record section)
Field No.2:	GLN manufacturer	Dummy 0000000000000 (13 zeroes) allowed
Field No.3:	Blank	Key ID
Field No.4:	Article number	Blank if barcode is not readable ***
Field No.5:	Date and time	YYYYMMDDHHMMSSnnn
Field No.6:	Blank	Reserved
Field No.7:	Blank	Reserved
Field No.8:	Batch number	Batch ID
Field No.9:	Camera number	Article read by Camera
Field No.10:	0	Reserved
Field No.11:	0	Reserved
Field No.12:	Ejection station No.	Actual No. depends on machine configuration
Field No.13:	0	Reserved
Field No.14:	0	Reserved
Field No.15:	0	Reserved
Field No.16:	Blank	Reserved
Field No.17:	Deposit amount	Local information
Field No.18:	Type of material	See document How to Create Pricat files.
Field No.19:	0	Material type detected
Field No.20:	Blank	Reserved
Field No.21:	Blank	Reserved
Field No.22:	Blank	Reserved

Example:
POS;5790001396978;;5740700997600;2017110704451268;;;33;0;0;0;2;0;0;0;;0;41;;;;
POS;5790001396978;;5690635100227;2017110704451309;;;33;7;0;0;3;0;0;0;;0;1;;;;
POS;5790001396978;;5740700997600;2017110704451309;;;33;0;0;0;2;0;0;0;;0;41;;;;

***) Applies to Non-sale Report (.nls) only

2.3. SUM line

 SUM line is mandatory and used by the system to detect the end of the file.

POS;5790001396978;;5690635300146;2017110704550202;;;33;3;0;0;3;0;0;0;;0;1;;;;
SUM

The SUM line is the last line.

3. Batch Report

3.1. Header

Same format and purpose as in point 2.1

3.2. POS lines

The file has only one POS line, which is a summary of all POS lines in the Sales- and Non-sale report for the actual batch:

Field No.1:	POS	Always (Identifier for record section)
Field No.2:	Batch ID	Costumer/batch label. Information from batch scanner or keyboard
Field No.3:	Reference number	Counter who is incremented with one, for every batch. Combined with machine number
Field No.4:	User	The operator, who is using the machine
Field No.5:	Batch time start	YYYYMMDDHHMMSS
Field No.6:	Number of refundable	Articles with deposit
Field No.7:	Number of refundable from No-read table	Articles, which were not read at the scanner module but were read at No-Read scanner. A subtotal of [Number of refundable].
Field No.8:	Number of non-refundable	Articles which are with deposit = 0. (out of date, closed) The total number of non-refundable from the scanner module and No-Read scanner.
Field No.9:	Number of non-refundable from No-read table	Articles that are read by the No-Read scanner, but without deposit. A subtotal of [Number of non-refundable].
Field No.10:	EAN not readable	Articles, which were not read in the scanner module and not read by the No-Read scanner. The EAN is missing. Also known as 2000000000002 articles. A subtotal of [Number of non-refundable].
Field No.11:	Unknown	Articles, which are read, but not known, not defined in any Pricat or SortingPricat.
Field No.12:	Number in batch	Articles in the batch. A total of [Number of refundable] + [Number of non-refundable] + [Unknown].
Field No.13:	Number in shift	Articles counted by the operator. A total of Articles counted during the same login.
Field No.14:	Batch time end	YYYYMMDDHHMMSS
Field No.15:	Reserved	Reserved
Field No.16:	Batch time	TT:MM.SS
Field No.17:	Key ID	Machine identification
Field No.18:	Anker Andersen ILN number	5790001396978
Field No.19:	Pricat version	YYYYMMDD
Field No.20:	Trash codes	1,2,3,4. If a trash code is scanned, the code or codes are written

Field No.21:	Blank	Reserved
Field No.22:	Blank	Reserved
Field No.23:	Blank	Reserved
Field No.24:	Total deposit amount	The total amount of deposit including VAT
Field No.25:	Reserved	False when not used

Example:

HDR;15431311;69;260;20180608;1111111111111;2222222222222;9;;
POS;8059798031224690;15431311;0000005;2018060814361170;20;0;0;0;3;4;23;27;27;2018060814400639;0;00:03:54;0;5790001396978;20180608;;0;0;0;18.57;False;
SUM

3.3. SUM line

Same format and purpose as in point 2.3

4. Ready file

Empty file that indicates all files are ready for download

5. Report imported as text using semicolon as separator

1. Open Excel.

2. Click on the **Data** tab.

3. In the Get External Data group, click **From Text**.

4. Double-click the text file, which you want to import in the Import Text File dialogue box.

5. Click **Import**. The Text Import Wizard will begin.

6. Select **Delimited** and click **Next**.

7. Uncheck Tab and select Semicolon.

8. Click **Next**.

9. Select all columns and choose Text as data format.

10. Click **Finish**.

Example (imported sls file:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	HDR	033			20171107	0000000000000	0000000000000	9										
2	POS	5790001396978		5740700997600	2017110704451268			33	0	0	0	2	0	0	0		0	41
3	POS	5790001396978		5690635100227	2017110704451309			33	7	0	0	3	0	0	0		0	1
4	POS	5790001396978		5740700997600	2017110704451309			33	0	0	0	2	0	0	0		0	41
5	POS	5790001396978		5000112545326	2017110704451313			33	7	0	0	2	0	0	0		0	41

Save and exit, if desired.