E-WMS

DAT file documentation

1 Introduction

1.1 General

This document describes the file structure of the 'DAT' files, which can be imported or exported using E-WMS Control Centers, when using communication method 'File'.

Communication method 'file' is typically used in these scenarios:

- Scanners in the warehouse cannot connect to a wireless network and the E-WMS Control Centers on the PC in the warehouse cannot connect directly to the scanners using USB, because Exact Globe Next is started in a terminal (remote desktop) session. In this scenario an outdated version of E-WMS client ('CAB' version) needs to be installed on the scanners, and the scanner files are send by e-mail or file share to the 'main office'.

- Logistic transactions are exchanged with a logistics partner

- Production receipts are imported from a production line automation system

Exact. And it all comes together.

1.2 General file structure

The files that can be imported or exported, are 'fixed position' structure text files, with a structure of headers and (multiple) types of sublines.

All lines start with a letter code to identify the line type. Not all line types apply to all transaction types, and some line types are always optional. The letter codes and general file structure is:

- H: File header line. This line identifies the file as a 'WMS file'. Once per file.
- K: Order header or transaction header line
- R: Order line or main transaction line (per item).
- I: Instruction line linked to order line
- M: Warehouse location line
- B: Batch line
- S: Serial number line
- Z: Transaction closing line

General rules

- Numeric fields like quantities and line numbers are always aligned right
- Quantities can be supplied using 3 decimals
- Quantities are always specified in standard sales units
- All fields are fixed length, and need to be filled with spaces to reach that length
- In general all fields are mandatory. There are exceptions, these are documented where applicable.
- 'Location' can be empty (10 spaces) when warehouse locations are not used
- 'B' and 'S' (Batch/serial) type of lines are only exported when WMS Route Optimizing ('picking advice') is enabled.
- 'Scan code' refers to the scan code saved in Exact Globe Next item maintenance, 'WMS' button. In export files, scan codes can appear twice, once with 20 characters, and again with 30 characters. The second 'scan code' with full length, was added later to the file definition.

SKU Management

- SKU-specific fields are not mandatory in the file structure, not even to fill up with spaces

- An exported SKU picking advice contains a 'Scan unit' indication:
    - O = Outer: pick full Outer SKU
    - I   = Inner: pick full Inner SKU
    - S = Sales unit: pick sales units *from* a SKU

- Imported 'SKU types' must exist as E-WMS master data in menu WMS, Setup, SKU, SKU types and must also be linked to the item in WMS, Setup, SKU, SKU per item.

- The SKU type is not mandatory when receiving a SKU number. If empty or omitted, the item default or first available SKU type for the item will be applied.

- The placement of the SKU data depends on the item type:
    - Standard items (non-serial/batch items): in the M-type lines
    - Batch items
        - When specific batch to pick: in the B-type line
        - With empty batch number in advice: in the M-type line
    - Serial numbers items
        - When specific serial number to pick: in the S-type line
        - With empty serial number in advice: in the M-type line

    B or S-type lines are only exported when the advice contains a serial/batch number. When there is no specific S/B number to pick, then only the M-type line is exported.

- When you receive only an Outer SKU, then the Inner SKU fields are not mandatory

- When you receive only an Inner SKU, then the Outer SKU fields need to be filled with spaces

- When you receive two-layer SKUs, then both outer- and inner SKU data needs to be filled

- When issuing two-layer SKUs in full, it suffices to offer only the outer SKU number

1.3 Change history

- Version 1.3, 09/2016: correction of 'position' in §2.9, minor textual changes
- Version 1.2, 01/2016: some corrections of 'position' in §2.1
- Version 1.1, 12/2015: situation as per release 411 (support of SKU numbers)
- Version 1.0, situation as per release 410

2 File descriptions

2.1 Sales order fulfillment

Export of orders to be picked

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, once per file
- K: Order header line, one per order
- R: Order item line(s) – one or more per 'K' line
- I: Instruction line (optional) – one per 'R' line
- M: Warehouse location line, one or more per 'R' line
- B: Batch item line, one or several for each warehouse location line; only when 'picking advice' was enabled and specific batches were advised
- S: Serial item line, one or several for each warehouse location line; only when 'picking advice' was enabled and specific serial numbers were advised
- Z: Closing line, one for each 'K' line

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Order header

Description	Position	Length	Value
Record type	1	1	"K"
Sales order no.	2	8	Order number, or WMS collected order no.
Reference	10	20	Order 'description' field, or "Collective order"
Debtor name	30	50	Order debtor name
Urgent	80	1	N or J, based on the order selection code and WMS setting
Partial delivery	81	1	J or N, based on the order setting
Warehouse code	82	4	Warehouse from order header
Debtor name	86	60	Delivery debtor name
Contact	146	40	Name of contact person of the delivery debtor
Address line 1	186	60	Address line 1 of the delivery debtor
Address line 2	246	60	Address line 2 of the delivery debtor
ZIP code	306	15	ZIP code of the delivery debtor
City	321	40	City of the delivery debtor
Country	361	40	Country name of the delivery debtor
Debtor code	401	20	Debtor code of the order debtor

Order line

Description	Position	Length	Value
Record type	1	1	"R"
Sales order no.	2	8	Order number, or WMS collected order no.
Line number	10	4	Order line in sales order, or in WMS collected order
Scan code	14	20	E-WMS scan code, or else item code. Also see pos. 308
Item code	34	30	Item code
Quantity	54	12 (8,3)	Ordered or advised quantity (align right), in sales units
Quantity picked	76	12 (8,3)	"0" (align right)
Ready	88	1	"N"
Item type	89	1	G (standard), B (batch) or S (Serial number) item
Pick more?	90	1	J or N: based on WMS setting 'Pick more than ordered'
Order picker	91	8	n/a, 8 spaces
Warehouse code	99	4	Warehouse code from order line
Item description	103	60	Item description (from items table)
Scanner ID	163	15	n/a, 15 spaces
Sales order no.	178	8	Globe sales order no. (even when collected)
Line number	186	4	Globe order line no. (even when collected), right aligned
Line ID	190	10	Order line ID (Orsrg.ID), right aligned
Recipe ID	200	10	Allocated by E-WMS for 'explode' items, right aligned
Reference	210	20	Order line reference (?)
Debtor name	230	50	Name of the order debtor
Sales unit	280	8	Sales unit code (from items table)
Debtor code	288	20	Debtor code of the order debtor
Scan code	308	30	E-WMS item scan code, now full 30 characters
Divisible	338	1	J or N: item is divisible

Instruction line (optional)

Description	Position	Length	Value
Record type	1	1	"I"
Sales order no.	2	8	Order number, or WMS collected order no.
Line number	10	4	Order line in sales order, or in WMS collected order
Instruction	14	160	Instruction text from sales order line

Warehouse location line

Description	Position	Length	Value
Record type	1	1	"M"
Sales order no.	2	8	Order number, or WMS collected order no.
Line number	10	4	Order line in sales order, or in WMS collected order
Wrh. Location	14	10	Warehouse location, or empty
Quantity	24	12 (8,3)	Quantity ordered
Quantity picked	36	12 (8,3)	"0", right aligned
Sequence number	48	8	Picking sequence number, determined by E-WMS
Outer SKU no. [1]	56	18	Outer SKU number
Inner SKU no. [1]	74	18	Inner SKU number
Scan unit [1]	92	1	Scan unit: (O)uter, (I)nner or (S)ales unit
[1] These fields are not present for a picking advice without SKU numbers			

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
Sales order no.	2	8	Order number, or WMS collected order no.
Line number	10	4	Order line in sales order, or in WMS collected order
Wrh. Location	14	10	Warehouse location, or empty
Batch number	24	20	Batch number to pick
Quantity	44	12 (8,3)	Quantity to pick for this batch
Outer SKU no. [1]	56	18	Outer SKU number
Inner SKU no. [1]	74	18	Inner SKU number
Scan unit [1]	92	1	Scan unit: (O)uter, (I)nner or (S)ales unit
[1] These fields are not present for a picking advice without SKU numbers			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
Sales order no.	2	8	Order number, or WMS collected order no.
Line number	10	4	Order line in sales order, or in WMS collected order
Wrh. Location	14	10	Warehouse location, or empty
Serial number	24	20	Serial number to pick
Outer SKU no. [1]	44	18	Outer SKU number
Inner SKU no. [1]	62	18	Inner SKU number
Scan unit [1]	80	1	Scan unit: (O)uter, (I)nner or (S)ales unit
[1] These fields are not present for a picking advice without SKU numbers			

Order closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Sales order no.	2	8	Order number, or WMS collected order no.

Import of fulfilled orders

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, once per file
- K: Order header line, one per order
- R: Order item line(s) – one or more per 'K' line
- I: Instruction line (optional) – one per 'R' line
- M: Warehouse location line, one or more per 'R' line
- B: Batch item line, one or more per 'M' line. Mandatory for batch items.
- S: Serial item line, one or more per 'M' line. Mandatory for serial number items.
- Z: Closing line, one for each 'K' line

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Order header

Description	Position	Length	Value
Record type	1	1	"K"
Sales order no.	2	8	Order number, or WMS collected order no.
Reference	10	20	Order 'description' field, or "Collective order"
Debtor name	30	50	Order debtor name
Urgent	80	1	N or J, based on the order selection code and WMS setting
Partial delivery	81	1	J or N, based on the order setting
Packages [1]	82	5	Number of packages for order in total, align right
Gross weight [1]	87	12 (8,3)	Gross weight for this order shipment
Net weight [1]	99	12 (8,3)	Net weight for this order shipment
[1] Not mandatory, even not filled with spaces			

Order line

Description	Position	Length	Value
Record type	1	1	"R"
Sales order no.	2	8	Order number, or WMS collected order no.
Line number	10	4	Order line in sales order, or in WMS collected order
Scan code	14	20	E-WMS scan code, or else item code. Also see pos. 308
Item code	34	30	Item code
Quantity	54	12 (8,3)	0, not used
Quantity picked	76	12 (8,3)	Picked quantity, in sales units
Ready	88	1	"J"
Item type	89	1	G (standard), B (batch) or S (Serial number) item
Pick more?	90	1	"J", not used
Order picker	91	8	Resource number (res_id) of the order picker, or 8 spaces
Warehouse code	99	4	Warehouse code from order line
Item description	103	60	Item description, not used
Scanner ID	163	15	The scanner ID, or 15 spaces
Sales order no.	178	8	Globe sales order no. (even when collected)
Line number	186	4	Globe order line no. (even when collected), right aligned
Line ID	190	10	Order line ID (Orsrg.ID), right aligned
Recipe ID	200	10	Allocated by E-WMS for 'explode' items, right aligned
User ID *1	210	20	The user ID (usr_id) of the orderpicker
*1 Not mandatory, even not filled with spaces			

Warehouse location line

Description	Position	Length	Value
Record type	1	1	"M"
Sales order no.	2	8	Order number, or WMS collected order no.
Line number	10	4	Order line in sales order, or in WMS collected order
Wrh. Location	14	10	Scanned location
Quantity	24	12 (8,3)	0, not used
Quantity picked	36	12 (8,3)	Quantity picked
Sequence number	48	8	8 spaces, not used
SSCC number *1	56	20	SSCC number (pallet number)
Outer SKU no. *1	76	18	Outer SKU number
Inner SKU no. *1	94	18	Inner SKU number
*1 Not mandatory, even not filled with spaces			

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
Sales order no.	2	8	Order number, or WMS collected order no.
Line number	10	4	Order line in sales order, or in WMS collected order
Wrh. Location	14	10	Issue warehouse location
Batch number	24	20	The issued batch number
Quantity	44	12 (8,3)	Quantity picked for this batch
SSCC number [1]	56	20	SSCC number (pallet number)
Outer SKU no. [1]	76	18	Outer SKU number
Inner SKU no. [1]	94	18	Inner SKU number
[1] Not mandatory, even not filled with spaces			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
Sales order no.	2	8	Order number, or WMS collected order no.
Line number	10	4	Order line in sales order, or in WMS collected order
Wrh. Location	14	10	Issue warehouse location
Serial number	24	20	The picked serial number
SSCC number [1]	44	20	SSCC number (pallet number)
Outer SKU no. [1]	64	18	Outer SKU number
Inner SKU no. [1]	82	18	Inner SKU number
[1] Not mandatory, even not filled with spaces			

Order closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Sales order no.	2	8	Order number, or WMS collected order no.

2.2 Receipts

Export of purchase orders to be received

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, one line for each file
- K: Purchase order header line, one line for each order
- R: Purchase order item line(s)
- M: Warehouse location line, one for each order item line.
- Z: Closing line, one line for each purchase order

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Order header

Description	Position	Length	Value
Record type	1	1	"K"
PO number	2	8	Purchase order number
Reference	10	20	Purchase order 'description' field
Supplier name	30	50	Name of the supplier
Urgent?	80	1	"N" or "J", depending selection code used in the PO
Extra	81	1	"N" – currently not used
Warehouse code	82	4	Warehouse code used in the PO

Order line

Description	Position	Length	Value
Record type	1	1	"R"
PO number	2	8	Purchase order number
Line number	10	4	Order line
Scan code	14	20	Item scan code, or item code (also see below)
Item code	34	30	Item code
Quantity	64	12 (8,3)	Quantity to receive, in sales units
Received	76	12 (8,3)	Quantity received (always 0)
Ready?	88	1	"N"
Item type	89	1	"G" (none), "B"(atch) or "S"(erial)
Receive more?	90	1	More receipts allowed, "J" or "N"
Order picker	91	8	Not used (8 spaces)
Warehouse code	99	4	Warehouse
Item description	103	60	Item description
Scanner ID	163	15	Not used (15 spaces)
Line ID	178	10	Record ID of the order line (orsrg.ID)
Sales unit	188	8	Sales unit code (item master data)
Scan code (2)	196	30	Item scan code (now 30 characters)
Divisible?	226	1	"J" or "N": item is divisble

Instruction line (optional)

Description	Position	Length	Value
Record type	1	1	"I"
PO number	2	8	Purchase order number
Line number	10	4	Order line number
Instruction	14	160	Instruction text from purchase order line

Warehouse location line

Description	Position	Length	Value
Record type	1	1	"M"
PO number	2	8	Purchase order number
Line number	10	4	Order line number
Wrh. Location	14	10	Main location of the item, or empty
Quantity	24	12 (8,3)	Quantity to be received, in sales units
Quantity picked	36	12 (8,3)	"0", not used

Order closing line

Description	Position	Length	Value
Record type	1	1	"Z"
PO number	2	8	Purchase order number

Import purchase order receipts

Each file is composed of several sections, for this file the next sections are relevant:

- H: Header, one line for each file
- K: Purchase order header line, one line for each order
- R: Purchase order item line(s)
- M: Warehouse location line, one for each order item line
- B: Batch item line, one or several for each warehouse location line (if relevant)
- S: Serial item line, one or several for each warehouse location line (if relevant)
- Z: Closing line, one line for each purchase order

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Order header

Description	Position	Length	Value
Record type	1	1	"K"
PO number	2	8	Purchase order number
Reference	10	20	Purchase order 'description' field
Supplier name	30	50	Name of the supplier
Urgent?	80	1	"N" or "J", depending selection code used in the PO
Extra	81	1	"N" – not used
PO number	82	8	Purchase order number
Free Receipt?	90	1	"N"

Order line

Description	Position	Length	Value
Record type	1	1	"R"
PO number	2	8	Purchase order number
Line number	10	4	Order line
Scan code	14	20	Item scan code, or item code (also see below)
Item code	34	30	Item code
Quantity	64	12 (8,3)	Quantity to receive, in sales units
Quantity received	76	12 (8,3)	Quantity received, in sales units
Ready?	88	1	"J"
Item type	89	1	"G" (none), "B"(atch) or "S"(erial)
Receive more?	90	1	More receipts allowed, "J" or "N"
Order picker	91	8	Warehouse employee resource ID
Warehouse code	99	4	Warehouse
Item description	103	60	Item description or empty, not used
Scanner ID	163	15	Scanner ID
Line ID	178	10	Record ID of the order line (orsrg.ID)
User ID	188	20	The user ID (usr_id) of the warehouse employee

Warehouse location line

Description	Position	Length	Value
Record type	1	1	"M"
PO number	2	8	Purchase order number
Line number	10	4	Order line number
Wrh. Location	14	10	Receipt location
Quantity	24	12 (8,3)	Quantity ordered, in sales units
Quantity picked	36	12 (8,3)	Quantity received, in sales units
Outer SKU no. [1]	48	18	Outer SKU number (or empty)
Outer SKU type [1]	66	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. [1]	76	18	Inner SKU number (or empty)
Inner SKU type [1]	94	10	Inner SKU type (or empty to apply default SKU type)
[1] This field applies to a non-S/B SKU item only, is not mandatory and can be omitted from the file. See chapter 'General file structure'.			

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
PO number	2	8	Purchase order number
Line number	10	4	Order line number
Wrh. Location	14	10	Receipt location
Batch number	24	20	The received batch number
Quantity	44	12 (8,3)	Quantity received for this batch, in sales units
End date	56	8	Batch end date, format YYYYMMDD; or 8 spaces
Outer SKU no. [1]	64	18	Outer SKU number (or empty)
Outer SKU type [1]	82	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. [1]	92	18	Inner SKU number (or empty)
Inner SKU type [1]	110	10	Inner SKU type (or empty to apply default SKU type)
[1] This field is not mandatory and can be omitted from the file. See chapter 'General file structure'.			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
PO number	2	8	Purchase order number
Line number	10	4	Order line number
Wrh. Location	14	10	Receipt location
Serial number	24	20	The received serial number
End date	44	8	Serial number end date, format YYYYMMDD; or 8 spaces
Outer SKU no. [1]	52	18	Outer SKU number (or empty)
Outer SKU type [1]	70	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. [1]	80	18	Inner SKU number (or empty)
Inner SKU type [1]	98	10	Inner SKU type (or empty to apply default SKU type)
[1] This field is not mandatory and can be omitted from the file. See chapter 'General file structure'.			

Order closing line

Description	Position	Length	Value
Record type	1	1	"Z"
PO number	2	8	Purchase order number

Import of free receipts

Each file is composed of several sections, for this file the next sections are relevant:

- H: Header, one line for each file
- K: Purchase order header line, one line for each order
- R: Purchase order item line(s)
- M: Warehouse location line, one for each order item line
- B: Batch item line, one or several for each warehouse location line (if relevant)
- S: Serial item line, one or several for each warehouse location line (if relevant)
- Z: Closing line, one line for each purchase order

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Order header

Description	Position	Length	Value
Record type	1	1	"K"
PO number	2	8	Purchase order number, or unique number also used in linked lines
Reference	10	20	Purchase order 'description' field
Supplier code	30	50	Supplier (creditor) number
Urgent?	80	1	"N" – not used
Extra	81	1	"N" – not used
PO number	82	8	Purchase order number, or empty (8 spaces) if unknown
Free Receipt?	90	1	"J"

Order line

Description	Position	Length	Value
Record type	1	1	"R"
PO number	2	8	Purchase order number or same unique no. as in header
Line number	10	4	Sequence number, starting with 1
Scan code	14	20	Not used (20 spaces)
Item code	34	30	Item code
Quantity	64	12 (8,3)	"0", not used
Quantity received	76	12 (8,3)	Quantity received, in sales units
Ready?	88	1	"J"
Item type	89	1	"G" (none), "B"(atch) or "S"(erial)
Receive more?	90	1	"J"
Order picker	91	8	Warehouse employee resource ID, or 8 spaces
Warehouse code	99	4	Warehouse code
Item description	103	60	Item description or empty (60 spaces)
Scanner ID	163	15	Scanner ID or empty (15 spaces)
Line ID	178	10	"0" (right aligned)
User ID	188	20	The user ID (usr_id) of the warehouse employee, or empty

Warehouse location line

Description	Position	Length	Value
Record type	1	1	"M"
PO number	2	8	Purchase order number or same unique nr. as in header
Line number	10	4	Same line number as in linked "R"-line
Wrh. Location	14	10	Location where the item was received (or 10 spaces if not used)
Quantity ordered	24	12 (8,3)	"0", not used
Quantity received	36	12 (8,3)	Quantity received, in sales units
Outer SKU no. [1]	48	18	Outer SKU number (or empty)
Outer SKU type [1]	66	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. [1]	76	18	Inner SKU number (or empty)
Inner SKU type [1]	94	10	Inner SKU type (or empty to apply default SKU type)
[1] This field applies to a non-S/B SKU item only, is not mandatory and can be omitted from the file. See chapter 'General file structure'.			

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
PO number	2	8	Purchase order number or same unique nr. as in header
Line number	10	4	Same line number as in linked "R"-line
Wrh. Location	14	10	Location where the item was received (or 10 spaces if not used)
Batch number	24	20	The received batch number
Quantity	44	12 (8,3)	Quantity received for this batch, in sales units
End date	56	8	Batch end date, format YYYYMMDD; or 8 spaces
Outer SKU no. [1]	64	18	Outer SKU number (or empty)
Outer SKU type [1]	82	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. [1]	92	18	Inner SKU number (or empty)
Inner SKU type [1]	110	10	Inner SKU type (or empty to apply default SKU type)
[1] This field is not mandatory and can be omitted from the file. See chapter 'General file structure'.			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
PO number	2	8	Purchase order number or same unique nr. as in header
Line number	10	4	Same line number as in linked "R"-line
Wrh. Location	14	10	Location where the item was received (or 10 spaces if not used)
Serial number	24	20	The picked serial number
End date	44	8	Serial number end date, format YYYYMMDD; or 8 spaces
Outer SKU no. [1]	52	18	Outer SKU number (or empty)
Outer SKU type [1]	70	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. [1]	80	18	Inner SKU number (or empty)
Inner SKU type [1]	98	10	Inner SKU type (or empty to apply default SKU type)
[1] This field is not mandatory and can be omitted from the file. See chapter 'General file structure'.			

Order closing line

Description	Position	Length	Value
Record type	1	1	"Z"
PO number	2	8	Purchase order number

Exact. And it all comes together.

2.3 Transfers

Import stock transfers

Each file is composed of several sections, for this file the next sections are relevant:

- H: Header, one line for each file
- R: Stock transfer line, one line for each transfer
- B: Batch item line, one or several for each stock transfer (if relevant)
  Only 1 SKU can be transferred per R-line.
- S: Serial item line, one or several for each stock transfer (if relevant)
  Only 1 SKU can be transferred per R-line.
- Z: Closing line, one line for each transfer line

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Transfer line

Description	Position	Length	Value
Record type	1	1	"R"
Source warehouse	2	4	Code of source warehouse
Target warehouse	6	4	Code of target warehouse
Scan code	10	20	Item scan code, or item code
Item code	30	30	Item code
Source location	60	10	Source location, or 10 spaces when no locations used
Target location	70	10	Target location, or 10 spaces when no locations used
Item type	80	1	"G" (none), "B"(atch) or "S"(erial)
Quantity	81	12 (8,3)	Quantity transferred, in sales units
Order picker	93	8	Warehouse employee resource ID
Scanner ID	101	15	Scanner ID
User ID	116	20	The user ID (usr_id) of the warehouse employee
Reference	136	20	Reference for the transfer
Outer SKU no. [1]	156	18	Outer SKU number (or empty), only non-S/B items
Inner SKU no. [1]	174	18	Inner SKU number (or empty) , only non-S/B items
Scan unit [1]	192	1	Scan unit: (O)uter SKU, (I)nner SKU or (S)ales unit; mandatory when a SKU number was provided. O = Outer SKU number remains with target stock (target SKU is equal to source SKU) I = Inner SKU number remains with target stock (target SKU is equal to source SKU) S = SKU number is removed from target stock (target SKU is empty, sales units)

[1] SKU fields are not mandatory for non-SKU stock. SKU data is only to be provided in this line for non-S/B items.

Only 1 SKU can be transferred per R-line. When transferring multiple SKUs, create multiple R-lines.

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
Source warehouse	2	4	Code of source warehouse
Target warehouse	6	4	Code of target warehouse
Scan code	10	20	Item scan code, or item code
Item code	30	30	Item code
Source location	60	10	Source location, or 10 spaces when no locations used
Target location	70	10	Target location, or 10 spaces when no locations used
Batch number	80	20	The transferred batch number
Quantity	100	12 (8,3)	Quantity transferred of this batch, in sales units
Outer SKU no. [*1]	112	18	Outer SKU number (or empty)
Inner SKU no. [*1]	130	18	Inner SKU number (or empty)
Scan unit [*1]	148	1	Scan unit: (O)uter SKU, (I)nner SKU or (S)ales unit; mandatory when a SKU number was provided. When not provided, 'S' is assumed. O = Outer SKU number remains with target stock (target SKU is equal to source SKU) I = Inner SKU number remains with target stock (target SKU is equal to source SKU) S = SKU number is removed from target stock (target SKU is empty, sales units)
[*1] SKU fields are not mandatory for non-SKU stock Only 1 SKU can be transferred per parent R-line. When transferring multiple SKUs, create multiple R/B-lines			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
Source warehouse	2	4	Code of source warehouse
Target warehouse	6	4	Code of target warehouse
Scan code	10	20	Item scan code, or item code
Item code	30	30	Item code
Source location	60	10	Source location, or 10 spaces when no locations used
Target location	70	10	Target location, or 10 spaces when no locations used
Serial number	80	20	The transferred serial number
Outer SKU no. [1]	100	18	Outer SKU number (or empty)
Inner SKU no. [1]	118	18	Inner SKU number (or empty)
Scan unit [1]	136	1	Scan unit: (O)uter SKU, (I)nner SKU or (S)ales unit, mandatory when a SKU number was provided. When not provided, 'S' is assumed. O = Outer SKU number remains with target stock (target SKU is equal to source SKU) I = Inner SKU number remains with target stock (target SKU is equal to source SKU) S = SKU number is removed from target stock (target SKU is empty, sales units)
[1] SKU fields are not mandatory for non-SKU stock. Only 1 SKU can be transferred per parent R-line. When transferring multiple SKUs, create multiple R/S-lines			

Closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Source warehouse	2	4	Code of source warehouse
Target warehouse	6	4	Code of target warehouse
Scan code	10	20	Item scan code, or item code
Item code	30	30	Item code
Source location	60	10	Source location, or 10 spaces when no locations used
Target location	70	10	Target location, or 10 spaces when no locations used

2.4 Counts

Import counts

Each file is composed of several sections, for this file the next sections are relevant:

- H: Header, one line for each file
- R: Count item line, one line for each count
- B: Batch item line, one or several for each count item line (if relevant)
- S: Serial item line, one or several for each count item line (if relevant)
- Z: Closing line, one line for each count item line

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Count line

Description	Position	Length	Value
Record type	1	1	"R"
Warehouse code	2	4	Warehouse code
Scan code	6	20	Item scan code, or item code
Item code	26	30	Item code
Wrh. location	56	10	Warehouse location, or 10 spaces if not used
Item type	66	1	"G" (none), "B"(atch) or "S"(erial)
Quantity	67	12 (8,3)	Quantity counted, in sales units
Order picker	79	8	Warehouse employee resource ID
Scanner ID	87	15	Scanner ID
User ID	102	20	The user ID (usr_id) of the warehouse employee
Outer SKU no. [1]	122	18	Outer SKU number (or empty)
Outer SKU type [1]	140	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. [1]	150	18	Inner SKU number (or empty)
Inner SKU type [1]	168	10	Inner SKU type (or empty to apply default SKU type)
[1] This field is not mandatory and can be omitted from the file. See chapter 'General file structure'. SKU data in this line is only to be provided for non-serial/batch items.			

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
Warehouse code	2	4	Warehouse code
Scan code	6	20	Item scan code, or item code
Item code	26	30	Item code
Wrh. location	56	10	Warehouse location, or 10 spaces if not used
Batch number	66	20	The counted batch number
Quantity	86	12 (8,3)	Quantity counted of this batch, in sales units
End date	98	8	Batch end date, format YYYYMMDD (or 8 spaces)
Outer SKU no. [1]	106	18	Outer SKU number (or empty)
Outer SKU type [1]	124	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. [1]	134	18	Inner SKU number (or empty)
Inner SKU type [1]	152	10	Inner SKU type (or empty to apply default SKU type)
[1] This field is not mandatory and can be omitted from the file. See chapter 'General file structure'.			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
Warehouse code	2	4	Warehouse code
Scan code	6	20	Item scan code, or item code
Item code	26	30	Item code
Wrh. location	56	10	Warehouse location, or 10 spaces if not used
Serial number	66	20	The counted serial number
End date	86	8	Serial number end date, format YYYYMMDD (or 8 spaces)
Outer SKU no. [1]	94	18	Outer SKU number (or empty)
Outer SKU type [1]	112	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. [1]	122	18	Inner SKU number (or empty)
Inner SKU type [1]	140	10	Inner SKU type (or empty to apply default SKU type)
[1] This field is not mandatory and can be omitted from the file. See chapter 'General file structure'.			

Closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Warehouse code	2	4	Warehouse code
Scan code	6	20	Item scan code, or item code
Item code	26	30	Item code
Wrh. location	56	10	Warehouse location, or 10 spaces if not used

2.5 Replenishment

Export of replenishment orders to be picked

Each file is composed of several sections, for this file the next sections are relevant:

- H: Header, one line for each file
- K: Order header line, one line for each order
- R: Order item line(s)
- M: Warehouse location line, one or several for each order item line
- B: Batch item line, one or several for each warehouse location line; only when 'picking advice' was enabled and specific batches were advised
- S: Serial item line, one or several for each warehouse location line; only when 'picking advice' was enabled and specific serial numbers were advised
- Z: Closing line, one line for each order

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Replenishment order header

Description	Position	Length	Value
Record type	1	1	"K"
Replenishment ID	2	8	A unique header ID generated by E-WMS
Reference	10	20	"Replenishment"
Debtor name	30	50	"1", not used
Urgent	80	1	"N", not used
Partial delivery	81	1	"J", not used
Warehouse code	82	4	Warehouse code of source warehouse

Order line

Description	Position	Length	Value
Record type	1	1	"R"
Replenishment ID	2	8	Unique ID, refers to header ID
Line number	10	4	Sequence number, starting with 1
Scan code	14	20	Scan code or item code (also see below)
Item code	34	30	Item code
Quantity to pick	64	12 (8,3)	Quantity to pick, in sales units
Quantity picked	76	12 (8,3)	"0"
Ready?	88	1	"N"
Item type	89	1	"G" (none), "B"(atch) or "S"(erial)
Pick more?	90	1	"0" – not used
Order picker	91	8	Empty, not used
Warehouse code	99	4	Source warehouse code
Item description	103	60	Item description
Scanner ID	163	15	Empty, not used
Replenishment ID	178	8	Unique ID, refers to header ID
Line number	186	4	Sequence number, starting with 1
Item line ID	190	10	Record ID of this line (csPickitTransferlines.ID)
Recipe ID	200	10	"0", not used
Reference	210	20	Empty, not used
Instruction	230	50	Target warehouse (4) + "/" + target location
Scancode (2)	280	30	Scancode (30 characters), or item code
Divisible?	310	1	"J" / "N": item is divisible

Warehouse location line

Description	Position	Length	Value
Record type	1	1	"M"
Replenishment ID	2	8	Unique ID, refers to header ID
Line number	10	4	Line numbers, refers to line number in "R"-line
Wrh. Location	14	10	Location to pick from, or empty when no locations are used
Quantity to pick	24	12 (8,3)	Quantity to pick, in sales units
Quantity picked	36	12 (8,3)	"0"
Sequence number	48	8	Sequence order, depending on picking advice settings
Outer SKU no. [1]	56	18	Outer SKU number
Inner SKU no. [1]	74	18	Inner SKU number
Scan unit [1]	92	1	Scan unit: (O)uter, (I)nner or (S)ales unit: O = pick full outer SKU I = pick full inner SKU S = pick sales units from SKU
[1] These fields are not present for a picking advice without SKU numbers			

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
Replenishment ID	2	8	Unique ID, refers to header ID
Line number	10	4	Line numbers, refers to line number in "R"-line
Wrh. Location	14	10	Location to pick from, or empty when no locations are used
Batch number	24	20	The batch number to pick
Quantity	44	12 (8,3)	Quantity to pick from this batch
Outer SKU no. [1]	56	18	Outer SKU number
Inner SKU no. [1]	74	18	Inner SKU number
Scan unit [1]	92	1	Scan unit: (O)uter, (I)nner or (S)ales unit: O = pick full outer SKU I = pick full inner SKU S = pick sales units from SKU
[1] These fields are not present for a picking advice without SKU numbers			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
Replenishment ID	2	8	Unique ID, refers to header ID
Line number	10	4	Line numbers, refers to line number in "R"-line
Wrh. Location	14	10	Location to pick from, or empty when no locations are used
Serial number	24	20	The serial number to pick
Outer SKU no. [1]	44	18	Outer SKU number
Inner SKU no. [1]	62	18	Inner SKU number
Scan unit [1]	80	1	Scan unit: (O)uter, (I)nner or (S)ales unit: O = pick full outer SKU I = pick full inner SKU S = pick sales units from SKU
[1] These fields are not present for a picking advice without SKU numbers			

Closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Replenishment ID	2	8	Unique ID, refers to header ID

Import of picked replenishment orders

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, one line for each file
- K: Order header line, one line for each order
- S: Order item line(s)
- M: Warehouse location line(s)
- B: Batch item line(s), mandatory for batch items
- S: Serial item line(s), mandatory for serial number items
- Z: Closing line, one line for each order

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Replenishment order header

Description	Position	Length	Value
Record type	1	1	"K"
Replenishment ID	2	8	Header ID, exists in Control Center in status 'picking'
Reference	10	20	"Replenishment"
Debtor name	30	50	"1", not used
Urgent	80	1	"N", not used
Partial delivery	81	1	"J", not used

Order line

Description	Position	Length	Value
Record type	1	1	"R"
Replenishment ID	2	8	Unique ID, refers to header ID
Line number	10	4	Sequence number, starting with 1
Scan code	14	20	Scan code or item code. Not used.
Item code	34	30	Item code
Quantity to pick	64	12 (8,3)	Quantity to pick, in sales units – or spaces. Not used
Quantity picked	76	12 (8,3)	Quantity picked, in sales units
Ready?	88	1	"J", not used
Item type	89	1	"G" (none), "B"(atch) or "S"(erial)
Pick more?	90	1	"J" , not used
Order picker	91	8	Warehouse employee resource ID
Warehouse code	99	4	Source warehouse code
Item description	103	60	Item description, or empty. Not used.
Scanner ID	163	15	Scanner ID
Replenishment ID	178	8	Unique ID, refers to header ID
Line number	186	4	"0", not used
Item line ID	190	10	Record ID of order line (csPickitTransferlines.ID)
Recipe ID	200	10	"0", not used
User ID	210	20	The user ID (usr_id) of the warehouse employee, or empty

Warehouse location line

Description	Position	Length	Value
Record type	1	1	"M"
Replenishment ID	2	8	Unique ID, refers to header ID
Line number	10	4	Line numbers, refers to line number in "R"-line
Wrh. Location	14	10	Location, or 10 spaces when locations are not used
Quantity to pick	24	12 (8,3)	12 spaces, not used
Quantity picked	36	12 (8,3)	Quantity picked, in sales units
Sequence number	48	8	8 spaces, not used
Outer SKU no. [1]	56	18	Outer SKU number (only for non-S/B items)
Inner SKU no. [1]	74	18	Inner SKU number (only for non-S/B items)
[1] Applies only to non-serial/batch items and when (part of) a SKU was issued. These fields are not mandatory for non-SKU items.			

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
Replenishment ID	2	8	Unique ID, refers to header ID
Line number	10	4	Line numbers, refers to line number in "R"-line
Wrh. Location	14	10	Location, or 10 spaces when locations are not used
Batch number	24	20	The picked batch number
Quantity	44	12 (8,3)	Quantity picked from this batch
Outer SKU no. [1]	56	18	Outer SKU number
Inner SKU no. [1]	74	18	Inner SKU number
[1] Not mandatory for non-SKU items			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
Replenishment ID	2	8	Unique ID, refers to header ID
Line number	10	4	Line numbers, refers to line number in "R"-line
Wrh. Location	14	10	Location, or 10 spaces when locations are not used
Serial number	24	20	The picked serial number
Outer SKU no. [1]	44	18	Outer SKU number
Inner SKU no. [1]	62	18	Inner SKU number
[1] Not mandatory for non-SKU items			

Closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Replenishment ID	2	8	Unique ID, refers to header ID

2.6 Stock Transactions

Import of stock transactions

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, one line for each file
- K: Transaction header line, one line for each order
- R: Transaction item line(s)
- B: Batch item line(s)
- S: Serial item line(s)
- Z: Closing line, one line for each transaction header

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Transaction header

Description	Position	Length	Value
Record type	1	1	"K"
Transaction ID	2	10	A unique header ID
Project code [1]	12	20	Project code to use for this transaction
G/L account [1]	32	9	G/L account code to use
Reference [1]	41	20	Reference
STT code [1]	61	30	Stock Transaction code
[1] Not mandatory, even not filled with spaces			

Item line

Description	Position	Length	Value
Record type	1	1	"R"
Transaction ID	2	10	Same unique ID as in header line "K"
Warehouse code	12	4	Warehouse code
Scan code	16	20	Item scan code, or item code
Item code	36	30	Item code
Wrh. Location	66	10	Warehouse location, or spaces when not used
Item type	76	1	G (standard), B (batch) or S (Serial number) item
Quantity	77	12 (8,3)	Quantity issued (-10) or received (10), in sales units
Scanner ID [1]	89	15	Scanner ID
User ID [1]	104	20	The user ID (usr_id) of the orderpicker
Outer SKU no. [1]	124	18	Outer SKU number received or issued (from)
Outer SKU type [1]	142	10	Outer SKU type (optional for SKU stock receipts)
Inner SKU no. [1]	152	18	Inner SKU number received or issued (from)
Inner SKU type [1]	170	10	Inner SKU type (optional for SKU stock receipts)
[1] Not mandatory, even not filled with spaces. SKU data applies to non-serial/batch items only.			

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
Transaction ID	2	10	Same unique ID as in item line "R"
Warehouse code	12	4	Warehouse code
Scan code	16	20	Item scan code, or item code
Item code	36	30	Item code
Wrh. Location	66	10	Warehouse location, or spaces when not used
Batch number	76	20	Batch number
Quantity	96	12 (8,3)	Quantity, in sales units
End date	108	8	Batch end date (format YYYYMMDD) or 8 spaces
Outer SKU no. [1]	116	18	Outer SKU number received or issued (from)
Outer SKU type [1]	134	10	Outer SKU type (optional for SKU stock receipts)
Inner SKU no. [1]	144	18	Inner SKU number received or issued (from)
Inner SKU type [1]	162	10	Inner SKU type (optional for SKU stock receipts)
[1] Not mandatory, even not filled with spaces.			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
Transaction ID	2	10	Same unique ID as in item line "R"
Warehouse code	12	4	Warehouse code
Scan code	16	20	Item scan code, or item code
Item code	36	30	Item code
Wrh. Location	66	10	Warehouse location, or spaces when not used
Serial number	76	20	Serial number
End date	96	8	Batch end date (format YYYYMMDD)
Outer SKU no. [1]	104	18	Outer SKU number received or issued (from)
Outer SKU type [1]	122	10	Outer SKU type (optional for SKU stock receipts)
Inner SKU no. [1]	132	18	Inner SKU number received or issued (from)
Inner SKU type [1]	150	10	Inner SKU type (optional for SKU stock receipts)
[1] Not mandatory, even not filled with spaces.			

Transaction closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Transaction ID	2	10	Same unique ID as in header line "K"

2.7 Sales transactions

Import sales orders

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, one line for each file
- K: Order header line, one line for each order
- R: Order item line, one or several lines for each order header line
- Z: Closing line, one line for each order header line

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Order header

Description	Position	Length	Value
Record type	1	1	"K"
Transaction type	2	9	"O"(rder) + 8 spaces
Order number	11	3	A temporary unique number, also used in linked order lines
Resource ID [1]	14	20	Resource number (res_id) of the order picker
Order debtor	34	20	Debtor code of the order debtor (mandatory)
Invoice debtor [1]	54	20	Debtor code of the invoice debtor
Delivery debtor [1]	74	20	Debtor code of the delivery debtor
Selection code [1]	94	2	Selection code
Cost center [1]	96	8	Cost center
Delivery date [1]	104	8	Delivery date, format YYYYMMDD
Project code [1]	112	20	Project code
Reference [1]	132	20	Order reference
Invoice code [1]	152	3	Invoice code
Packages [1]	155	6	Packages (numeric or empty)
Route code [1]	161	2	Route code
[1] This field is not mandatory and can be filled with spaces			

Item line

Description	Position	Length	Value
Record type	1	1	"R"
Order number	2	3	Unique temporary order number, as used in header "K"
Line number	5	4	Sequence number, from 1 and up for every new line
Warehouse	9	4	Warehouse code
Location *1	13	10	Warehouse location, if item was already issued
Item code	23	30	Item code
Scan code *1	53	20	Item scan code, or else item code
Quantity	73	12 (8,3)	Quantity ordered, in item standard sales units
Sales price	85	12 (8,3)	Sales price, use -1 to apply default price for order entry
Cost unit *1	97	8	Cost unit
Item type	105	1	G (standard), B (batch) or S (Serial number) item
Scanner ID *1	106	15	Scanner ID
Serial/Batch no. *1	121	20	Serial/batch number to be placed in sales order line
*1 This field is not mandatory and can be filled with spaces			

Transaction closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Order number	2	3	Unique temporary order number, as used in header "K"

2.8 Purchase transactions

Import purchase orders

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, one line for each file
- K: Purchase order header line, one line for each order
- R: Order item line, one or several lines for each order header line
- Z: Closing line, one line for each order header line

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Order header

Description	Position	Length	Value
Record type	1	1	"K"
Transaction type	2	9	"B"
Order number	11	3	A temporary unique number, also used in linked order lines
Resource ID [1]	14	20	Resource number (res_id) of the order picker
Warehouse	34	4	Warehouse code
Supplier code	38	20	Supplier (creditor) code
Selection code [1]	58	2	Selection code
Cost center [1]	60	8	Cost center code
Project [1]	68	20	Project code
Reference [1]	88	20	Order reference
[1] This field is not mandatory and can be filled with spaces			

Item line

Description	Position	Length	Value
Record type	1	1	"R"
Order number	2	3	Unique temporary order number, as used in header "K"
Line number	5	4	Sequence number, from 1 and up for every new line
Item code	9	30	Item code
Scan code	39	20	Item scan code, or else item code
Quantity	59	12 (8,3)	Quantity to order, in item standard sales units
Cost unit [1]	71	8	Cost unit code
Scanner ID [1]	79	15	Scanner ID
[1] This field is not mandatory and can be filled with spaces			

Transaction closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Order number	2	3	Unique temporary order number, as used in header "K"

2.9 Production order issues

Export material items to be picked

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, one line for each file
- K: Production order header line, one line for each order
- R: Issue line(s)
- M: Warehouse location line, one for each issue line
- B: Batch item line, one or several for each warehouse location line; only when 'picking advice' was enabled and specific batches were advised
- S: Serial item line, one or several for each warehouse location line; only when 'picking advice' was enabled and specific serial numbers were advised
- Z: Closing line, one line for each production order

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Production order header

Description	Position	Length	Value
Record type	1	1	"K"
Production order	2	20	Production order number
Description	22	25	Production order description
Warehouse	47	4	Warehouse code
Urgent	50	1	"N" / "J", depending selection code used in production order

Material line

Description	Position	Length	Value
Record type	1	1	"R"
Production order	2	20	Production order number
Line number	22	4	Line number, starting with 1 and increasing for each line
Scan code	26	20	Item scan code or else item code (also see below)
Item code	46	30	Item code
Quantity to pick	76	12 (8,3)	Quantity to be picked, in standard sales unit
Quantity picked	88	12 (8,3)	0
Ready?	100	1	N
Item type	101	1	G (standard), B (batch) or S (Serial number) item
Pick more?	102	1	J or N: based on WMS setting 'Allow issuing more'
Warehouse	103	4	Warehouse code
Description	107	60	Item description
Scanner ID	167	15	Scanner ID
Order line ID	182	10	ID of the planned line (Gbkmut.ID)
Unit	192	8	Unit description
Production order	200	20	Production order number
Description	220	25	Production order description
Step	245	10	Step code, or empty
Operation	255	10	Operation code, or empty
Description	265	50	Operation description, or empty
Item code	315	30	Item code of the make item
Description	345	60	Description of the make item
Parent	405	20	Parent production order, or empty
Scan code	425	30	Item scan code (30 characters)
Divisible	455	1	J / N, Item is divisible

Warehouse location line

Description	Position	Length	Value
Record type	1	1	"M"
Production order	2	20	Production order number
Line number	22	4	Line number, refers to linked "R" line
Wrh. Location	26	10	Warehouse location, or empty
Quantity	36	12 (8,3)	Quantity to pick
Quantity picked	48	12 (8,3)	"0", right aligned
Sequence number	60	8	Picking sequence number, determined by E-WMS
Outer SKU no. [1]	68	18	Outer SKU number
Inner SKU no. [1]	86	10	Inner SKU number
Scan unit [1]	103	1	Scan unit: "O", "I" or "S". Only applies to a SKU advice.
[1] These fields are not present for a picking advice without SKU numbers			

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
Production order	2	20	Production order number
Line number	22	4	Line number, refers to linked "R" line
Wrh. Location	26	10	Warehouse location, or empty
Batch number	36	20	Batch number to pick
Quantity	56	12 (8,3)	Quantity to pick for this batch
Outer SKU no. [1]	68	18	Outer SKU number
Inner SKU no. [1]	86	10	Inner SKU number
Scan unit [1]	104	1	Scan unit: "O", "I" or "S". Only applies to a SKU advice.
[1] These fields are not present for a picking advice without SKU numbers			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
Production order	2	20	Production order number
Line number	22	4	Line number, refers to linked "R" line
Wrh. Location	26	10	Warehouse location, or empty
Serial number	36	20	Serial number to pick
Outer SKU no. [1]	56	18	Outer SKU number
Inner SKU no. [1]	74	10	Inner SKU number
Scan unit [1]	92	1	Scan unit: "O", "I" or "S". Only applies to a SKU advice.
[1] These fields are not present for a picking advice without SKU numbers			

Production order closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Production order	2	20	Production order number

Import picked material items

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, one line for each file
- K: Production order header line, one line for each order
- R: Issue line(s)
- M: Warehouse location line, one for each issue line
- B: Batch item line, one or several for each warehouse location line (if relevant)
- S: Serial item line, one or several for each warehouse location line (if relevant)
- Z: Closing line, one line for each production order

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Production order header

Description	Position	Length	Value
Record type	1	1	"K"
Production order	2	20	Production order number
Warehouse	22	4	Warehouse code
Free issue?	26	1	"Y" if issue is a 'free issue', else "N"

Material issue line

Description	Position	Length	Value
Record type	1	1	"R"
Production order	2	20	Production order number
Line number	22	4	Line number, starting with 1 and increasing for each line
Scan code	26	20	Item scan code or else item code (also see below)
Item code	46	30	Item code
Quantity picked	76	12 (8,3)	Quantity picked, in standard sales unit
Item type	88	1	G (standard), B (batch) or S (Serial number) item
Order picker	89	20	Resource number (res_id) of the order picker
Warehouse	109	4	Warehouse code
Scanner ID	113	15	Scanner ID
Order line ID	128	10	ID (Gbkmut.ID) of the order line, or empty for free issue
Production order	138	20	Production order number
Step	158	10	Step code, or empty
Operation	168	10	Operation code, or empty
Ready	178	1	"Y"

Exact. And it all comes together.

Warehouse location line

Description	Position	Length	Value
Record type	1	1	"M"
Production order	2	20	Production order number
Line number	22	4	Line number, refers to linked "R" line
Wrh. Location	26	10	Warehouse location, or empty
Quantity picked	36	12 (8,3)	Issued quantity, in sales units, right aligned
Outer SKU no. [1]	48	18	Outer SKU number (partly) issued
Inner SKU no. [1]	66	18	Inner SKU number (partly) issued
[1] Not mandatory for issues without SKU number, even not filled with spaces			

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
Production order	2	20	Production order number
Line number	22	4	Line number, refers to linked "R" line
Wrh. Location	26	10	Warehouse location, or empty
Batch number	36	20	Batch number to pick
Quantity picked	56	12 (8,3)	Quantity issued for this batch
Outer SKU no. [1]	68	18	Outer SKU number (partly) issued
Inner SKU no. [1]	86	18	Inner SKU number (partly) issued
[1] Not mandatory for issues without SKU number, even not filled with spaces			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
Production order	2	20	Production order number
Line number	22	4	Line number, refers to linked "R" line
Wrh. Location	26	10	Warehouse location, or empty
Serial number	36	20	Serial number issued
Outer SKU no. [1]	56	18	Outer SKU number (partly) issued
Inner SKU no. [1]	74	18	Inner SKU number (partly) issued
[1] Not mandatory for issues without SKU number, even not filled with spaces			

Production order closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Production order	2	20	Production order number

2.10 Production order receipts

Import production receipts

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, one line for each file
- K: Production order header line, one line for each order
- R: Receipt line(s)
- M: Warehouse location line, one for each receipt line
- B: Batch item line, one or several for each warehouse location line (if relevant)
- S: Serial item line, one or several for each warehouse location line (if relevant)
- Z: Closing line, per production order

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Production order header

Description	Position	Length	Value
Record type	1	1	"K"
Production order	2	20	Production order number
Warehouse	22	4	Warehouse code

Receipt line

Description	Position	Length	Value
Record type	1	1	"R"
Production order	2	20	Production order number
Line number	22	4	Line number, starting with 1 and increasing for each line
Scan code	26	20	Item scan code or else item code (also see below)
Item code	46	30	Item code
Quantity	76	12 (8,3)	Quantity received
Item type	88	1	G (standard), B (batch) or S (Serial number) item
Resource ID	89	20	Resource number (res_id) of the warehouse employee
Warehouse	109	4	Warehouse code
Scanner ID	113	15	Scanner ID

Warehouse location line

Description	Position	Length	Value
Record type	1	1	"M"
Production order	2	20	Production order number
Line number	22	4	Line number, refers to linked "R" line
Wrh. Location	26	10	Warehouse location, or empty
Quantity	36	12 (8,3)	Quantity received
Outer SKU no. *1	48	18	Outer SKU number (or empty)
Outer SKU type *1	66	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. *1	76	18	Inner SKU number (or empty)
Inner SKU type *1	94	10	Inner SKU type (or empty to apply default SKU type)
*1 This fields applies to a non-serial/batch SKU item only, is not mandatory and can be omitted from the file. See chapter 'General file structure'.			

Batch number line

Description	Position	Length	Value
Record type	1	1	"B"
Production order	2	20	Production order number
Line number	22	4	Line number, refers to linked "R" line
Wrh. Location	26	10	Warehouse location, or empty
Batch number	36	20	Batch number received
Quantity	56	12 (8,3)	Quantity received for this batch
End date	68	8	Batch end date (YYYYMMDD), or empty
Outer SKU no. *1	76	18	Outer SKU number (or empty)
Outer SKU type *1	94	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. *1	104	18	Inner SKU number (or empty)
Inner SKU type *1	122	10	Inner SKU type (or empty to apply default SKU type)
*1 This field is not mandatory and can be omitted from the file. See chapter 'General file structure'.			

Serial number line

Description	Position	Length	Value
Record type	1	1	"S"
Production order	2	20	Production order number
Line number	22	4	Line number, refers to linked "R" line
Wrh. Location	26	10	Warehouse location, or empty
Serial number	36	20	Serial number received
End date	56	8	Serial number end date (YYYYMMDD), or empty
Outer SKU no. *1	64	18	Outer SKU number (or empty)
Outer SKU type *1	82	10	Outer SKU type (or empty to apply default SKU type)
Inner SKU no. *1	92	18	Inner SKU number (or empty)
Inner SKU type *1	110	10	Inner SKU type (or empty to apply default SKU type)
*1 This field is not mandatory and can be omitted from the file. See chapter 'General file structure'.			

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Production order closing line

Description	Position	Length	Value
Record type	1	1	"Z"
Production order	2	20	Production order number

2.11 Master data

Export Item data

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, one line for each file
- R: Item line

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Item line

Description	Position	Length	Value
Record type	1	1	"R"
Item code	2	30	Item code
Scan code	32	20	Item scan code, or else item code (also see below)
Item type	52	1	G (standard), B (batch) or S (Serial number) item
Description	53	60	Item description
Sales price	113	12 (8,3)	Standard sales price per sales units
Sales unit	125	8	Sales unit code
Scancode	133	30	Scan code (full length, 30 characters)
Divisible?	163	1	"J" / "N": Item is divisible

Export Supplier data

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, one line for each file
- R: Creditor line

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Creditor (supplier) line

Description	Position	Length	Value
Record type	1	1	"R"
Creditor code	2	20	Creditor code
Creditor name	22	50	Creditor name

Export Debtor data

Each file is composed of several sections, for this file the next sections are relevant:
- H: Header, one line for each file
- R: Debtor line

Header

Description	Position	Length	Value
Record type	1	1	"H"
Dummy text	2	40	"Pick-IT " + free text

Debtor line

Description	Position	Length	Value
Record type	1	1	"R"
Debtor code	2	20	Debtor code
Debtor name	22	50	Debtor name