Barcoding & Data Collection Systems Pty Ltd.
ABN: 81 003 530 881
109 Ashley Street,
ROSEVILLE NSW 2069
AUSTRALIA.
PO Box 248, ROSEVILLE NSW 2069
Tel: 1300 369 513
Tel: +61 2 9419 6011
Fax: +61 2 9413 4261
sales@barcoding.com.au
www.barcoding.com.au

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Legacy System – WAREHOUSE*MINDER™ Data File Interfacing Options.

This document details the available fields to enable data transfers using Comma Separated Variable (CSV) Field Format Files between Warehouse*Minder™ (Minder) and Legacy Financial Systems.
Each .CSV that is to be imported into Minder Database must include the Minder Field names separated by commas and are aligned as Headers of the Data columns, as the first record.
This enables addition of columns at any future time so long as there is an existing Minder field.
The Order of the data must match the order in the first row of Field names.

We are able to provide a header record with exported data files if specified and required by Legacy Systems.

Mandatory columns are prefixed with '*****' e.g. ***H_PICK_ORDER_TYPE**.

The following four pages summarise these Data files:

- **SALES ORDER IMPORTING** (from Legacy System)
- **FULFILLMENT EXPORTING** (from Minder to Legacy System)
- **PURCHASE ORDER IMPORTING** (from Legacy System)
- **PO RECEIPTS EXPORTING** (from Minder to Legacy System)
- **PRODUCTS PROFILE IMPORTING** (from Legacy System)

Date Formats. In general we prefer the following TIMESTAMP (Date) format:

YYYY-MM-DD HH:MM:SS

However, we can change this on a site by site basis.

SALES ORDER IMPORTING

The following is the minimum required columns for importing Picking Orders:

Field Name	Field Type & Size	Field Notes
***H_ORDER_TYPE**	CHAR(2),	/* e.g. '**SO**' = Sales(Pick) Order, '**WO**' = Work Order, '**TO**' = Transfer Order (used for Loans) or Inter Branch Inventory Transfers, (versus '**PO**' = Purchase Order) */
***H_ORDER_NO**	VARCHAR(15) NOT NULL,	/* Mandatory Order Number */
***H_PERSON_ID**	VARCHAR(10),	/* Customer Internal ID can be generated by Minder using 1st m chars of P_FIRST_NAME + next number, padded with leading zeros to length n. e.g. 'ACME0001', 'ACME0002' */
***H_COMPANY_ID**	VARCHAR(20),	/* Inventory Owner ID, Minder supports multiple Inventory Owners. Default = CONTROL.COMPANY_ID Please limit to VARCHAR(10) */
***H_ORDER_DUE_DATE**	TIMESTAMP,	/* Mandatory for Picking Allocation. Used with H_PICK_PRIORITY */
***P_FIRST_NAME**	VARCHAR(50),	/* Customer Name or Individual First name Used for Deliver To Addressing */
P_ADDRESS_LINE1	VARCHAR(100),	/* Customer Deliver To Address */
P_CITY	VARCHAR(25),	/* Customer City/Suburb Address */
P_STATE	VARCHAR(15),	/* Customer State Address */
P_POST_CODE	VARCHAR(10),	/* Customer Post Code Address */
***L_ORDER_LINE_NO**	CHAR(4) NOT NULL,	/* Legacy System must not reuse Sales Order Line number for another Product in revised Sales Orders */
***L_PROD_ID**	VARCHAR(30),	/* Product Code/Part No/Catalogue No Please Note Minder must have current Product Profile with Short Description */
***L_ORDER_QTY**	INTEGER,	/* Mandatory Order Qty UoM as per Product Profile ISSUE_UOM */

FULFILLMENT EXPORTING

The following is the suggested minimum used for exporting Fulfillment from Minder to Financial System.
Minder Client's must specify as part of Scope & Gap any above additional Minder fields they require in the exported Fulfillment.
Please note only one record per Despatch is created unless multiple USE_BY_DATE or LOT BATCH no's are shipped.
But we further suggest that multiple records of Use By Dates and Lot/Batch numbers are not uploaded into Financial systems as they rarely able to handle these.

Field Name	Field Type & Size	Field Notes
***ORDER_TYPE**	CHAR(2),	/* e.g. '**SO**' = Sales(Pick) Order, '**WO**' = Work Order, '**TO**' = Transfer Order (used for Loans) or Inter Branch Inventory Transfers, (versus '**PO**' = Purchase Order) */
***DESPATCH_ID**	INTEGER NOT NULL,	/* Related to Consignment No and enables checking if duplicated */
***ORDER_NO**	VARCHAR(15) NOT NULL,	/* Used to join PICK_ORDER (Header Table) */
***ORDER_LINE_NO**	CHAR(4),	/* If not imported then Minder generates */
***AWB_CONSIGNMENT_NO**	VARCHAR(20),	/* Carrier Connote No. */
PICKD_CARRIER_ID	VARCHAR(10),	/* Minder Carrier ID e.g. AUSTPOST */
PICKD_SERVICE_TYPE	VARCHAR(4),	/* Carrier Service Code e.g. GEN */
PICKD_EXIT	TIMESTAMP,	/* Date Despatch Exit Warehouse */
PICKD_PALLET_QTY	INTEGER,	/* Total pallets shipped */
PICKD_CARTON_QTY	INTEGER,	/* Total Cartons Shipped */
PICKD_SATCHEL_QTY	INTEGER,	/* Total Satchels Shipped */
PICKD_WT_ACTUAL	INTEGER,	/* Actual Weight Shipped */
PICKD_VOL_ACTUAL	INTEGER,	/* Actual Volume Shipped */
***PROD_ID**	VARCHAR(30)	/* Product Code/Part No/Catalogue No Please Note Minder must have current Product Profile with Short Description */
***QTY_PICKED**	INTEGER,	/* Quantity being shipped */
Optional		
SSN_ID	VARCHAR(20),	/* Optional - Inventory Stock Serial No. Can be used if Financial System holds Product details and requires details to Consume */
USE_BY_DATE	VARCHAR(20),	/* Date formats vary so uses string But requires Users to record which Pack ID Implies multiple records- 1/Use By Date */
LOT_BATCH_NO	VARCHAR(30),	/* Lot or Batch Number But requires Users to record which Pack ID Implies multiple records- 1/Lot_Batch# */

PURCHASE ORDER IMPORTING

The following is the minimum required columns for importing Purchase Orders.
Minder Client's must specify as part of Scope & Gap Analysis Minder fields they require in the imported Purchase Order details.

Field Name	Field Type & Size	Field Notes
***H_ORDER_TYPE**	CHAR(2),	/* e.g**. 'PO'** = Purchase Order, '**WO**' = Work Order (Inwards) */
***H_ORDER_NO**	VARCHAR(10) NOT NULL,	/* Mandatory P Order Number */
***H_PERSON_ID**	VARCHAR(10),	/* Supplier Internal ID */
***H_COMPANY_ID**	VARCHAR(20),	/* Inventory Owner ID, Minder supports multiple Inventory Owners. Default = CONTROL.COMPANY_ID Please note: Limit to VARCHAR(10) */
WH_ID	CHAR(2)	/* Minder Warehouse Code, if multiple Whses */
***H_ORDER_DUE_DATE**	TIMESTAMP,	
***L_ORDER_LINE_NO**	CHAR(4) NOT NULL,	/* Legacy System must not reuse PO Line number for another Product in revised Purchase Orders */
***L_PROD_ID**	VARCHAR(30),	/* Will be inserted if not listed in Minder's Product Profile table */
***L_ORDER_QTY**	DOUBLE PRECISION,	/* Mandatory for Products UoM as per Product Profile ORDER_UOM */

PO RECEIPTS EXPORTING

The following is the suggested minimum used for exporting Purchase Order Receipts from Minder to Financial System.
Minder Client's must specify as part of Scope & Gap any above additional Minder fields they require in the exported Receipts.
Please note only one record per PO Receipt Line is created unless multiple USE_BY_DATE or LOT BATCH no's are received.
But we further suggest that multiple records of Use By Dates and Lot/Batch numbers are not uploaded into Financial systems unless they need to handle these.

Field Name	**Field Type & Size**	**Field Notes**
***GRN_TYPE**	CHAR(2),	/* '**PO**'=Purchase Order, '**WO**' = Work Order, '**LD**' = Load SSN's, '**LP**' = Load Product. */
***GRN**	VARCHAR(10) NOT NULL,	/* Unique instance of an Inventory Receipt. Generated by Minder */
***GRN_DATE**	TIMESTAMP,	/* GRN created Date YYYY-MM-DD HH:MM:SS */
WH_ID	CHAR(2),	/* Minder Warehouse Code, if multiple Whses */
AWB_CONSIGNMENT_NO	VARCHAR(20),	/* Carrier Connote or AWB # */
COMMENTS	VARCHAR(512),	/* Receiving User's Comments */
***ORDER_NO**	VARCHAR(10) NOT NULL,	/* PO # or Minder generated Load Number if Type = 'L*' or Work Order # if type = 'WO' */
***PO_LINE**	CHAR(4),	
***PROD_ID**	VARCHAR(30),	
*PO_LINE_QTY	DOUBLE PRECISION,	/* Mandatory for Products */
PSL_RECEIVED_QTY	INTEGER,	/* Signed Connote quantity */
PSL_RECEIVE_UOM	CHAR(2),	/* e.g. 'PC' = Pieces, 'CL'= Coil */

Either

/* The following is suggested for Independent Steel Tube, VIC */		
PSL_OTHER1	VARCHAR(50),	/* Steel Coil Barcode Number */
PSL_OTHER2	VARCHAR(50),	/* Spare, defined for each Supplier */
PSL_ SUPPLIER_SPEC_NO	VARCHAR(75),	/* Supplier's Specifications */
PSL_DIMENSION_X	NUMERIC(9,3),	/* Width */
PSL_DIMENSION_Y	NUMERIC(9,3),	/* Depth */
PSL_DIMENSION_Z	NUMERIC(9,3),	/* Thickness/Height */
PSL_DIMENSION_UOM	CHAR(2),	/* e.g. 'MM' */
PSL_WEIGHT	NUMERIC(9,3),	/* Weight */
PSL_WEIGHT_UOM	CHAR(2),	/* e.g. 'KG' */

or

/* The following is suggested for Fresh Produce type clients */		
PSL_OTHER1	VARCHAR(50),	/* to be defined for each Supplier e.g. Lot/Batch No */
PSL_OTHER2	VARCHAR(50),	/* Spare, to be defined for each Supplier */
PSL_OTHER_DATE3	TIMESTAMP,	/* Use_By_Date. Can be another date */
PSL_OTHER_DATE4	TIMESTAMP,	/* Packed Date. Can be another date */

PRODUCTS PROFILE IMPORTING

The following is the suggested minimum used for importing Product Profile details into Minder.

Client's must specify as part of Scope & Gap any above additional Minder fields they require in the imported Receipts.

Field Name	Field Type & Size	Field Notes
***PROD_ID**	VARCHAR(30) NOT NULL,	/* Product Code */
***SHORT_DESC**	VARCHAR(255) NOT NULL,	/* If empty will = PROD_ID */
***UOM**	VARCHAR(2),	/* UoM – Sales Order Picking Unit */
STOCK_ON_HAND	INTEGER,	/* Used by Minder to Report Variances */

The following pages detail Minder tables used for importing and exporting, these will enable use of a wider range of data fields to be exchanged if required..

TABLE PICK_ORDER_ITEM_TEMP :

This table is used as a temporary repository to enable updating of Minder's PICK_ORDER (Header) Table and Minder's PICK_ITEM (Lines) Table.
SQL triggers ensure that both these tables are updated from records inserted into the PICK_ORDER_ITEM_TEMP table.
The Minder system currently uses scheduled Python scripting to perform record insertion if it finds CSV data file/s in a nominated Folder. It will rename each import CSV to avoid duplication.

Minder updates existing Orders if imported again. If Order is fully or partly Cancelled Minder will change Order Status to Cancelled except where Order and/or Order Line Status is already 'DC' = Consignment Note completed or 'DX' = Order has Exited the Warehouse.

In general, the following field names have prefixes where:
'**H**_' indicates data is stored in the Order Header record,
'**L**_' indicates data is stored in the Order Line record,
'**P**_' indicates data is stored in the PERSON table (optional) and is used for Label Addressing.

Field Name	Field Type & Size	Field Notes
***H_PICK_ORDER_TYPE**	CHAR(2),	/* e.g. '**SO**' = Sales(Pick) Order, '**WO**' = Work Order, '**TO**' = Transfer Order (used for Loans) or Inter Branch Inventory Transfers., (versus '**PO**' = Purchase Order) */
***H_PICK_ORDER**	VARCHAR(15) NOT NULL,	/* Mandatory Order Number */
***H_PERSON_ID**	VARCHAR(10),	/* Customer Internal ID can be generated by Minder using 1st m chars of P_FIRST_NAME + next number, padded with leading zeros to length n. e.g. 'ACME0001', 'ACME0002' */
***H_COMPANY_ID**	VARCHAR(20),	/* Inventory Owner ID, Minder supports multiple Inventory Owners. Default = CONTROL.COMPANY_ID Please note: Limit to VARCHAR(10) */
H_DIVISION_ID	VARCHAR(20),	/* Not currently used */
***H_PICK_DUE_DATE**	TIMESTAMP,	/* Mandatory for Picking Allocation. Used with H_PICK_PRIORITY */
H_PICK_PRIORITY	SMALLINT,	/* -128 to +128 - Lowest value picked first Default = 5 */
H_PICK_STATUS	CHAR(2),	/* 'UC' = UnConfirmed Order, 'CF' =Confirmed, 'OP' = Open for Picking, 'DA'=Approved Despatch, 'CN' = Cancelled Order, 'HD' = On Hold, 'UP' = UnPick Order . Default ='DA' */
H_PARTIAL_PICK_ALLOWED	CHAR(1),	/* 'T' or 'F' – applies to whole Order except where L_PARTIAL_PICK_ALLOWED is populated Default = 'F' – Must ship complete May need to change Default */
H_CUSTOMER_PO_WO	VARCHAR(20),	/* Customer's Reference */
H_DELIVERY_RUN_NO	VARCHAR(10),	/* Used to sort and group Despatches */
H_SPECIAL_INSTRUCTIONS1	VARCHAR(8192),	/* Used External Documents e.g. Gift Card Enclosure Messages, Carrier Instructions */
H_SPECIAL_INSTRUCTIONS2	VARCHAR(255),	/* Used for Internal Picking instructions */
H_INV_WITH_GOODS	CHAR(1),	/* 'T' = Must include Invoice with Despatch. Default = 'F' = No invoice */

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 H_SHIP_VIA                VARCHAR(10),   /* Internal Carrier ID e.g. 'FASTWAY', 'TOLL'
                                             Default = Minder's Default Carrier ID */
 H_WH_ID                   CHAR(2),       /* Pick Order From Warehouse ID
                                             Operates multiple warehouses.
                                             Default = Minder's Default WH_ID */
 H_DESPATCH_LOCATION       VARCHAR(10),  / * Used to Consolidate Orders at Despatch */
 H_CREATE_DATE             TIMESTAMP,     /* useful for some KPI's */
 H_CREATED_BY              VARCHAR(10),   /* Internal USER_ID */
 H_PICK_STARTED            TIMESTAMP,     /* do not use – Used for KPI's */
 H_RETURN_DATE             TIMESTAMP,     /* Used where Order_Type = 'TO'. Holds
                                             Return by Date for Order */
 H_OTHER1                  VARCHAR(50)    /* Spare, Pinpoint use for their Client Code */
 H_OTHER2                  VARCHAR(50)    /* Spare, suggest use for Currency   */
 H_OTHER3                  VARCHAR(50)    /* Spare field used for Shipping Docs */
 H_OTHER4                  VARCHAR(50)    /* Spare field used for Shipping Docs */
 H_OTHER5                  VARCHAR(50)    /* Spare field used for Shipping Docs */
 H_OTHER6                  VARCHAR(50)    /* Spare field used for Shipping Docs */
 H_OTHER7                  VARCHAR(50)    /* Spare field used for Shipping Docs */
 H_OTHER8                  VARCHAR(50)    /* Spare field used for Shipping Docs */
 H_OTHER9                  VARCHAR(50)    /* Spare field used for Shipping Docs */
 H_REMARKS1                VARCHAR(75)    /* Spare field used for Shipping Docs */
 H_REMARKS2                VARCHAR(75)    /* Spare field used for Shipping Docs */
 H_REMARKS3                VARCHAR(75)    /* Spare field used for Shipping Docs */
 H_REMARKS4                VARCHAR(75)    /* Spare field used for Shipping Docs */
 H_REMARKS5                VARCHAR(75)    /* Spare field used for Shipping Docs */
 H_REMARKS6                VARCHAR(75)    /* Spare field used for Shipping Docs */
 H_FOOTER1                 VARCHAR(75)    /* Spare field used for Shipping Docs */
 H_FOOTER2                 VARCHAR(75)    /* Spare field used for Shipping Docs */
 H_FOOTER3                 VARCHAR(75)    /* Spare field used for Shipping Docs */
 H_FOOTER4                 VARCHAR(75)    /* Spare field used for Shipping Docs */
 H_FOOTER5                 VARCHAR(75)    /* Spare field used for Shipping Docs */
 H_FREIGHT                 NUMERIC(9,2),  /* Used if Minder prepares Inv. */
 H_OTHER_NUM1              DOUBLE PRECISION /* Spare, used if Minder prepares Inv. */
 H_OTHER_NUM2              DOUBLE PRECISION /* Spare, used if Minder prepares Inv. */
 H_CONTACT_NAME            VARCHAR(50),  /* Used on Despatch Address labels */
 P_NO_PERSON_UPD           CHAR(1)    /* 'T' = Adds or updates Minder's PERSON  record */
 P_PERSON_TYPE             CHAR(2),   /* e.g. 'CU' = Corporate Customer, 'IC' = Individual
                                         Customer.  Used to format Addresses
                                             Default = 'CU'    */
*P_FIRST_NAME              VARCHAR(50),  /* Customer Name or Individual First name
                                             Used for Deliver To Addressing */
 P_LAST_NAME               VARCHAR(50),  /* If PERSON_TYPE= 'I*' then Last Name also
                                             used for Deliver To Addressing*/
 P_ADDRESS_LINE1           VARCHAR(100),  /* Customer Deliver To Address */
 P_ADDRESS_LINE2           VARCHAR(50),   /* Customer Deliver To Address */
 P_CITY                    VARCHAR(25),   /* Customer City/Suburb Address */
 P_STATE                   VARCHAR(15),   /* Customer State Address */
 P_POST_CODE               VARCHAR(10),   /* Customer Post Code Address */
 P_COUNTRY                 VARCHAR(25),   /* Customer Country Address
                                             Defaults =  'AUSTRALIA'  */
 P_AUST_POST_4STATE_ID     VARCHAR(255),  /* Customer Aust. Post 4State Barcode No */
 P_ADDRESS_LINE3           VARCHAR(50)    /* Spare Label Address fields e.g. Telephone */
 P_ADDRESS_LINE4           VARCHAR(50)    /* Spare Label Address fields */
 P_ADDRESS_LINE5           VARCHAR(50)    /* Spare Label Address fields */
```

```
 L_PICK_ORDER              VARCHAR(15),  /* Must be same as H_PICK_ORDER or empty */
 L_PICK_ORDER_LINE_NO      CHAR(4),      /* e.g. '1' or '0001'
                                            Default = Minder will calculate */
 L_CONTACT_NAME            VARCHAR(50),  /* Used on Despatch labels for this Line only */
*L_PROD_ID                 VARCHAR(30),  /* Product Code/Part No/Catalogue No
                                            Please Note Minder must have current
                                            Product Profile with Short Description */
 L_SSN_ID                  VARCHAR(20),  /* Inventory Stock Serial No. Only Used if
                                             specified to be picked and shipped.
                                            MUST not populate L_PROD_ID if used */
 L_WARRANTY_TERM           VARCHAR(50),   /* e.g. 'RTB90DAY'  */
 L_PICK_LABEL_DATE         TIMESTAMP      /* not required */
 L_SPECIAL_INSTRUCTIONS1   VARCHAR(8192), /* Used External Documents e.g. Gift Cards
                                            Messages -  this line only */
 L_SPECIAL_INSTRUCTIONS2   VARCHAR(255),  /* Used for Internal Picking instructions
                                            This Line only */,
 L_SHIP_VIA                VARCHAR(10),   /* Internal Carrier ID for this Line only */
*L_PICK_ORDER_QTY          INTEGER,       /* Mandatory Order Qty
                                            UoM as per Product Profile ISSUE_UOM  */
 L_PICK_ALLOCATED_QTY      INTEGER,       /* do not use */
 L_PICKED_QTY              INTERGER,      /* do not use holds total partial shipments */
 L_PICK_LINE_DUE_DATE      TIMESTAMP,     /* Used if different to H_PICK_DUE_DATE */
 L_PICK_STARTED            TIMESTAMP,     /* Do not use, Updated by Minder for KPI's */
 L_DESPATCH_TS             TIMESTAMP,     /* hold timestamp of line despatched */
 L_DESPATCH_LOCATION       VARCHAR(10),   /* Used to Consolidate Line at Despatch */
 L_CREATE_DATE             TIMESTAMP,     /* do not use, except on Reports, Invoices */
 L_USER_ID                 VARCHAR(10),   /* Internal USER_ID for this Line */
 L_DEVICE_ID               CHAR(2)        /* do not use, Minder updates during WIP */
 L_CHECKIN_START           TIMESTAMP,     /* do not use – used by Minder for KPI's*/
 L_CHECKIN_FINISH          TIMESTAMP,     /* do not use – used by Minder for KPI's */
 L_CHECKIN_USER_ID         VARCHAR(10),   /* Internal USER_ID for this Line */
 L_PICK_LINE_STATUS        CHAR(2),       /* 'UC' = Unconfirmed, 'CF' = Confirmed,
                                            'OP' = Open for Picking,
                                            'CN' = Cancelled Order, 'HD' = On Hold
                                                Default = 'OP'      */
 L_PARTIAL_PICK_ALLOWED    CHAR(1),       /* 'T' or 'F' – This line only */
 L_ALLOW_SSN_SUBSTITUTE    CHAR(1),       /* 'T' or 'F' – Special case where L_SSN_ID
                                            Not available but can pick substitute
                                                Default = 'F'     */
 L_RETURN_DATE             TIMESTAMP,     /* Used where Order_Type = 'TO' holds
                                            Return by Date for this line only */
 L_OTHER1                  VARCHAR(50)   /* Spare field used for Line Shipping Docs */
 L_OTHER2                  VARCHAR(50)   /* Spare field used for Line Shipping Docs */
 L_OTHER3                  VARCHAR(50)  /* Spare field used for Line Shipping Docs */
 L_OTHER4                  VARCHAR(50)  /* Spare field used for Line Shipping Docs */
 L_OTHER5                  VARCHAR(50)  /* Spare field used for Line Shipping Docs */
 L_OTHER6                  VARCHAR(50)  /* Spare field used for Line Shipping Docs */
 L_OTHER7                  VARCHAR(50)  /* Spare field used for Line Shipping Docs */
 L_OTHER8                  VARCHAR(50)  /* Spare field used for Line Shipping Docs */
 L_OTHER9                  VARCHAR(50)  /* Spare field used for Line Shipping Docs */
 L_OTHER_QTY1              INTEGER,       /* Spare for Line only */
 L_OTHER_QTY2              INTEGER,       /* Spare for Line only */
```

Pick Order Processing Tables.

As each line of PICK_ORDER_ITEM_TEMP is inserted Minder Database triggers will insert into PICK_ORDER (Order Header) and PICK_ITEM (Order Lines) tables.
The PICK_ORDER table holds the details that apply to every PICK_ITEM Line.
Orders are then Allocated for Picking (either automatically or manually selected by Users) and Picked to Despatch for Checking and Exit from Warehouse.
Pick Order Fulfillment occurs once Warehouse*Minder creates PICK_DESPATCH record (new Despatch_ID).

The following Tables and data fields are available for updating Legacy ERP/Financial Systems.
The following is not a complete list.

TABLE PICK_ORDER

This Table holds details of Order Header – i.e. Customer Invoice Address and Deliver To details.

Field Name	Field Type & Size	Field Notes
PICK_ORDER_TYPE	CHAR(2),	/* '**SO**' = Sales Order, '**TO**'=Transfer Order (used for Loans) or Inter Branch Inventory Transfers. */
PICK_ORDER	VARCHAR(15) NOT NULL,	
PERSON_ID	VARCHAR(10),	/* Customer Internal ID can be Generated by Minder using 1st n chars of P_FIRST_NAME + next number padded m. e.g. 'ACME0001', 'ACME0002' */
CONTACT_NAME	VARCHAR(50),	/* Used on Despatch Address labels */
COMPANY_ID	VARCHAR(20),	/* Inventory Owner ID, Minder supports multiple Inventory Owners. Default = CONTROL.COMPANY_ID Please note: Limit to VARCHAR(10) */
DIVISION_ID	VARCHAR(20),	/* Not currently used */
EARLIEST_DATE	TIMESTAMP,	/* Must not ship before */
PICK_DUE_DATE	TIMESTAMP,	/* Order Due. Mandatory Picking Allocation. Used with H_PICK_PRIORITY */
PICK_PRIORITY	SMALLINT,	/* -128 to +128 - Lowest value picked first Default = 5 */
PICK_STATUS	CHAR(2),	/* 'UC' = UnConfirmed Order, 'CF' =Confirmed, 'OP' = Open for Picking, 'DA'=Approved Despatch, 'CN' = Cancelled Order, 'HD' = On Hold, 'UP' = UnPick Order . Default ='DA' */
PARTIAL_PICK_ALLOWED	CHAR(1),	/* 'T' or 'F' – applies to whole Order except where L_PARTIAL_PICK_ALLOWED is used. Default = 'F' – Must ship complete, May need to change Default */
CUSTOMER_PO_WO	VARCHAR(20),	/* Customer's Reference */
DELIVERY_RUN_NO	VARCHAR(10),	/* Used to sort and group Despatches */
SPECIAL_INSTRUCTIONS1	VARCHAR(8192),	/* Used External Documents e.g. Gift Card Enclosure Messages, Carrier Instructions */
SPECIAL_INSTRUCTIONS2	VARCHAR(255),	/* Used for Internal Picking instructions */
INV_WITH_GOODS	CHAR(1),	/* 'T' = Must include Invoice or 'F'. Default = 'F' = No invoice */

```
SHIP_VIA                    VARCHAR(10),    /* Internal Carrier ID e.g. 'FASTWAY', 'TOLL'
                                               Default = Minder's Default Carrier ID */
SHIPPING_METHOD             VARCHAR(10),
WH_ID                       CHAR(2),        /* Pick Order From Warehouse ID
                                               Operates multiple warehouses.
                                               Default = Minder's Default WH_ID */
DESPATCH_LOCATION           VARCHAR(10),    / * Used to Consolidate Orders at Despatch */
CREATE_DATE                 TIMESTAMP,      /* useful for some KPI's */
CREATED_BY                  VARCHAR(10),    /* Internal USER_ID */
APPROVED_DATE               TIMESTAMP,    /* Order Approved for Picking =>'OP' Status  */
APPROVED_BY                 VARCHAR(10),
APPROVED_DESP_DATE          TIMESTAMP,      /* Order Approved for Despatch => 'DA' */
APPROVED_DESP_BY            VARCHAR(10),
ASSEMBLY_STARTED            TIMESTAMP,      /* Updated by Minder for KPI's */
LAST_UPDATE_DATE            TIMESTAMP,
ORDER_CANCELLED             TIMESTAMP,
PRINTED_DATE                TIMESTAMP,      /* Copy of Invoice */
LABEL_PRINTED_DATE          TIMESTAMP,      /* Minder updates - Labels Printed */
ADDRESS_LABEL_DATE          TIMESTAMP,      /* Minder updates - Labels Printed */
PICK_ORDER_STARTED          TIMESTAMP, /* do not use – Used for KPI's */
PICK_STARTED                TIMESTAMP,      /* do not use – Used for KPI's */
RETURN_DATE                 TIMESTAMP,      /* Used where Order_Type = 'TO'. Holds
                                               Return by Date for Order */
SHIP_SERVICE                VARCHAR(10)     /* Currently not available via Import table */
FREIGHT_LAST_UPDATE_DATE    TIMESTAMP
FREIGHT_LAST_UPDATED_BY     VARCHAR(10),
P_PERSON_ID                 VARCHAR(10),    /* Mail To Address – Internal ID */
P_ADDR_RECORD_ID            INTEGER,
P_SAME_AS_INVOICE_TO        CHAR(1),        /* 'T'= Mail To = Deliver To Address  */
P_PERSON_TYPE               CHAR(2),        /* e.g. 'CU' = Corporate Customer,
                                               'IC' = Individual Customer.  Used to format
                                               Addresses. Default = 'CU'    */
P_TITLE                     VARCHAR(10),    /* Currently not available via Import table */
P_FIRST_NAME                VARCHAR(50),    /* Customer Name or Individual First name
                                               Used for Deliver To Addressing */
P_LAST_NAME                 VARCHAR(50),    /* If PERSON_TYPE= 'I*' then Last Name also
                                               used for Deliver To Addressing */
P_LAST_NAME                 VARCHAR(50),    /* If PERSON_TYPE= 'I*' then Last Name also
                                               used for Deliver To Addressing*/
P_ADDRESS_LINE1             VARCHAR(100),   /* Customer Deliver To Address */
P_ADDRESS_LINE2             VARCHAR(50),    /* Customer Deliver To Address */
P_CITY                      VARCHAR(25),    /* Customer City/Suburb Address */
P_STATE                     VARCHAR(15),    /* Customer State Address */
P_POST_CODE                 VARCHAR(10),    /* Customer Post Code Address */
P_COUNTRY                   VARCHAR(25),    /* Customer Country Address
                                               Defaults = 'AUSTRALIA'  */
P_AUST_POST_4STATE_ID       VARCHAR(255),   /* Customer Aust. Post 4State Barcode No */
P_PHONE                     VARCHAR(3),     /* Currently not available via Import table */
P_ADDRESS_LINE3             VARCHAR(50)     /* Spare Label Address fields */
P_ADDRESS_LINE4             VARCHAR(50)     /* Spare Label Address fields */
P_ADDRESS_LINE5             VARCHAR(50)     /* Spare Label Address fields */
IMPORTED                    CHAR(1),        /* Used to Report Imported Orders */
IMPORT_ERRORS               INTEGER DEFAULT 0,
PERMANENT_TRANSFER          CHAR(1),        /* Used for Transfer Orders */
```

```
SUPPLIER_LIST               CHAR(1),          /* Print Enclosures to send with Order */
OTHER1                      VARCHAR(50)       /* Spare, Pinpoint use for their Client Code */
OTHER2                      VARCHAR(50)       /* Spare field used for Shipping Docs */
OTHER3                      VARCHAR(50)       /* Spare field used for Shipping Docs */
OTHER4                      VARCHAR(50)       /* Spare field used for Shipping Docs */
OTHER5                      VARCHAR(50)       /* Spare field used for Shipping Docs */
OTHER6                      VARCHAR(50)       /* Spare field used for Shipping Docs */
OTHER7                      VARCHAR(50)       /* Spare field used for Shipping Docs */
OTHER8                      VARCHAR(50)       /* Spare field used for Shipping Docs */
OTHER9                      VARCHAR(50)       /* Spare field used for Shipping Docs */
REMARKS1                    VARCHAR(75)       /* Spare field used for Shipping Docs */
REMARKS2                    VARCHAR(75)       /* Spare field used for Shipping Docs */
REMARKS3                    VARCHAR(75)       /* Spare field used for Shipping Docs */
REMARKS4                    VARCHAR(75)       /* Spare field used for Shipping Docs */
REMARKS5                    VARCHAR(75)       /* Spare field used for Shipping Docs */
REMARKS6                    VARCHAR(75)       /* Spare field used for Shipping Docs */
FOOTER1                     VARCHAR(75)       /* Spare field used for Shipping Docs */
FOOTER2                     VARCHAR(75)       /* Spare field used for Shipping Docs */
FOOTER3                     VARCHAR(75)       /* Spare field used for Shipping Docs */
FOOTER4                     VARCHAR(75)       /* Spare field used for Shipping Docs */
FOOTER5                     VARCHAR(75)       /* Spare field used for Shipping Docs */
NET_WEIGHT                  DOUBLE PRECISION,
VOLUME                      DOUBLE PRECISION,
VOLUME_UOM                  VARCHAR(10),
DESPATCH_LOCATION_GROUP     VARCHAR(10),
PALLET_BASE                 VARCHAR(30),      /* Package Size to hold Order - calculated */
OVER_SIZED                  CHAR(1),          /* 'T' = Too big for auto. wrap machines */
OVER_SIZED_REASON           VARCHAR(40),
OTHER_NUM1                  DOUBLE PRECISION, /* Spare */
OTHER_NUM2                  DOUBLE PRECISION, /* Spare */
EXPORT_CATEGORY             CHAR(1),          /* Used for flagging Customs Reporting */
D_PERSON_ID                 VARCHAR(10),      /*  Minder PERSON_ID */
D_ADDR_RECORD_ID            INTEGER,
D_TITLE                     VARCHAR(10),      /* 'D_' = Deliver To Addressing */
D_FIRST_NAME                VARCHAR(50),
D_LAST_NAME                 VARCHAR(50),
D_CITY                      VARCHAR(25),
D_STATE                     VARCHAR(15),
D_POST_CODE                 VARCHAR(10),
D_COUNTRY                   VARCHAR(35),
D_PHONE                     VARCHAR(30),
D_ADDRESS_LINE1             VARCHAR(100),
D_ADDRESS_LINE2             VARCHAR(50),
D_ADDRESS_LINE3             VARCHAR(50),
D_ADDRESS_LINE4             VARCHAR(50),
D_ADDRESS_LINE5             VARCHAR(50),
D_WH_ID                     CHAR(2),          /* Used by Transfer Orders */
S_TITLE                     VARCHAR(10),      /* 'S_'  = Supplied By.  */
S_SAME_AS_SOLD_FROM         CHAR(1),
SUPPLIER_ID                 VARCHAR(10),      /* Used for labels that require Supplied By */
S_PERSON_ID                 VARCHAR(10),      /*  Minder PERSON_ID */
S_PERSON_TYPE               CAHR(2),
S_FIRST_NAME                VARCHAR(50),
S_LAST_NAME                 VARCHAR(50),
```

```
S_CITY                      VARCHAR(25),
S_STATE                     VARCHAR(15),
S_POST_CODE                 VARCHAR(10),
S_COUNTRY                   VARCHAR(35),
S_PHONE                     VARCHAR(30),
S_ADDRESS_LINE1             VARCHAR(100),
S_ADDRESS_LINE2             VARCHAR(50),
S_ADDRESS_LINE3             VARCHAR(50),
S_ADDRESS_LINE4             VARCHAR(50),
S_ADDRESS_LINE5             VARCHAR(50),
SO_LEGACY_CONSIGNMENT       VARCHAR(50),     /* Used with Netsuite ERP */
SO_LEGACY_PROJECT           VARCHAR(50),
SO_LEGACY_INTERNAL_ID       VARCHAR(20),
SO_LEGACY_LAST_MODIFIED     TIMESTAMP,
SO_LEGACY_PICK_WH_ID        CHAR(2),
SO_LEGACY_PICK_WH_NAME      VARCHAR(50),
SO_LEGACY_MEMO              VARCHAR(1024),
SO_LEGACY_STATUS_ID         VARCHAR(2),
SO_LEGACY_STATUS            VARCHAR(50),
SO_LEGACY_CREATE_DATE       TIMESTAMP,       /* Netsuite Timestamp */
PO_MATERIAL_SAFETY_DATA     CHAR(1),
LAST_LINE_NO                INTEGER,
```

CREATE TABLE PICK_ITEM

This Table holds details of Order line and what is to be picked.

```
Field Name                Field Type & Size          Field Notes
  PICK_LABEL_NO           VARCHAR(7) NOT NULL,  /* Unique Pick Line, used to
                                                   Join with PICK_ITEM_DETAIL */
  PICK_ORDER              VARCHAR(15) NOT NULL,   /* Used to join PICK_ORDER
                                                     (Header Table) */
  PICK_ORDER_LINE_NO       CHAR(4),          /* If not imported then Minder generates */
  CONTACT_NAME            VARCHAR(50),       /* Used on Despatch labels, this Line only */
  PROD_ID                 VARCHAR(30),       /* Product Code/Part No/Catalogue No
                                                Please Note Minder must have current
                                                Product Profile with Short Description */
/* Minder supports picking of specific Inventory Numbers (Barcoded ISSN ) if the following SSN
field used… */
  SSN_ID                  VARCHAR(20),       /* Inventory Stock Serial No.
                                                Only Used if specified to be picked and
                                                shipped. MUST not populate L_PROD_ID
                                                if used */
  WARRANTY_TERM           VARCHAR(50),       /* e.g. 'RTB90DAY'  */
  PICK_LABEL_DATE         TIMESTAMP          /* not required */
  SPECIAL_INSTRUCTIONS1   VARCHAR(8192),  /* Used External Documents e.g. Gift Card
                                             Enclosure Messages, Carrier Instructions */
  SPECIAL_INSTRUCTIONS2   VARCHAR(255),      /* Used for Internal Picking instructions
                                                This Line only */,
  SHIP_VIA                VARCHAR(10),       /* Internal Carrier ID for this Line only */
  PICK_ORDER_QTY          INTEGER,           /* Mandatory Order Qty. UoM as per Product
                                                Profile ISSUE_UOM  */
  PICK_ALLOCATED_QTY      INTEGER,           /* do not use */
  PICKED_QTY              INTERGER,          /* do not use holds total partial shipments */
  EARLIEST_DATE           TIMESTAMP,    /* Restrict Picking & Despatch until this Date */
  PICK_LINE_DUE_DATE      TIMESTAMP,    /* Used if different to PICK_ORDER.DUE_DATE */
  PICK_STARTED            TIMESTAMP,         /* Do not use, Updated by Minder for KPI's */
  DESPATCH_TS             TIMESTAMP,         /* hold timestamp of line despatched */
  DESPATCH_LOCATION       VARCHAR(10),       /* Used to Consolidate Line at Despatch */
  CREATE_DATE             TIMESTAMP,         /* do not use, except on Reports */
  USER_ID                 VARCHAR(10),       /* Internal USER_ID for this Line */
  DEVICE_ID               CHAR(2)            /* do not use, Minder updates during WIP */
  CHECKIN_START           TIMESTAMP,         /* do not use, Minder updates during WIP */
  CHECKIN_FINISH          TIMESTAMP,         /* do not use, Minder updates during WIP */
  CHECKIN_USER_ID         VARCHAR(10),       /* Internal USER_ID for this Line */
  PICK_LINE_STATUS        CHAR(2),           /* 'UC' = Unconfirmed, 'CF' = Confirmed,
                                                'OP' = Open for Picking,
                                                'CN' = Cancelled Order, 'HD' = On Hold
                                                Default = 'OP'       */
  PARTIAL_PICK_ALLOWED    CHAR(1),           /* 'T' or 'F' – This line only */
  DESPATCH_PALLET_NO      VARCHAR(7)         /* Do not use */
  WH_ID                   CHAR(2),           /* Pick Order From Warehouse ID as
                                                Minder operates multiple warehouses.
                                                Default = Minder's Default WH_ID */
  PICK_LOCATION           VARCHAR(10)        /* Do not use */
  REASON                  VARCHAR(50) /* Do not use, holds reason not completing pick */
  ALLOW_SUBSTITUTE        CHAR(1)            /* 'T' = Allow another ISSN.SSN_ID, 'F' */
```

```
ORIGINAL_SSN_ID             VARCHAR(20)      /* If ALLOW_SUBSTITUTE='T' then must
                                                belong to this SSN_ID */
RETURN_DATE                 TIMESTAMP        /* Used where Order_Type = 'TO' holds
                                                Return by Date for this line only */
PICK_RETRIEVE_STATUS        CHAR(1)          /* Do not use, 'T' or 'F'  */
DESPATCH_LOCATION_GROUP     VARCHAR(10)      /* Do not use */
PICK_QTY_DIFFERENCE         INTEGER,         /* Do not use */
PICK_QTY_DIFFERENCE2        INTEGER,         /* Do not use */
LAST_UPDATE_DATE            TIMESTAMP,       /* Do not use, updated by Minder */
OTHER1                      VARCHAR(50)      /* Spare field used for Line Shipping Docs */
OTHER2                      VARCHAR(50)      /* Spare field used for Line Shipping Docs */
OTHER3                      VARCHAR(50)      /* Spare field used for Line Shipping Docs */
OTHER4                      VARCHAR(50)      /* Spare field used for Line Shipping Docs */
OTHER5                      VARCHAR(50)      /* Spare field used for Line Shipping Docs */
OTHER6                      VARCHAR(50)      /* Spare field used for Line Shipping Docs */
OTHER7                      VARCHAR(50)      /* Spare field used for Line Shipping Docs */
OTHER8                      VARCHAR(50)      /* Spare field used for Line Shipping Docs */
OTHER9                      VARCHAR(50)      /* Spare field used for Line Shipping Docs */
BATCH_LINE                  INTEGER,         /* Do not use */
OVER_SIZED                  CHAR(1)          /* 'T' or 'F' Used for Uglies processing */
OTHER_QTY1                  INTEGER,         /* Spare Qty Field*/
OTHER_QTY2                  INTEGER,         /* Spare Qty Field*/
SPECIAL_INSTRUCTIONS3       VARCHAR(512)     /* Spare Notes Field*/
ALT_DESPATCH_WH_ID          CHAR(2),       /* Pick Order From Back up Warehouse ID as
                                              Operates multiple warehouses.  */
ALT_DESPATCH_LOCN_ID        VARCHAR(10)      /* Do not use */
PICK_LINE_PRIORITY          SMALLINT,        /* Used if different to H_PICK_PRIORITY
                                              and  H_PARTIAL_PICK_ALLOWED ='T'.
                                              Ranges -128 to +128 – where Lowest value
                                              picked first   Default = 5 */
PICK_PICK_FINISH            TIMESTAMP,       /* Do not use */
PICK_LOCN_SEQ               NUMERIC(9,3)     /* Do not use, calculated by Minder if
                                              shortest route picking used*/
CANCEL_METHOD               CHAR(1),         /* Do not use */
PI_LEGACY_ITEM_DESCR        BLOB,            /* Only use if Item Description is received
                                              from Legacy system with special formatting*/
PI_LEGACY_CLOSED            CHAR(1),         /* Do not use – Legacy Data */
PI_LEGACY_LINENO            INTEGER,         /* Do not use – Legacy Data */
PI_LEGACY_WH_NAME           VARCHAR(50)      /* Do not use – Legacy Data */
PI_LEGACY_FULFILLED_QTY     INTEGER,         /* Do not use – Legacy Data */
PI_LEGACY_PACKED_QTY        INTEGER,         /* Do not use – Legacy Data */
PI_LEGACY_PICKED_QTY        INTEGER,         /* Do not use – Legacy Data */
PI_LEGACY_RATE              VARCHAR(15),     /* Do not use – Legacy Data */
PI_LEGACY_PICK_UOM          CHAR(2),         /* Do not use – Legacy Data */
SO_REVISION_STATUS          CHAR(2),         /* Do not use – Legacy Data */
PI_LEGACY_WH_ID             CHAR(2),         /* Do not use – Legacy Data */
PI_LOAN_SSN_COST            FLOAT,           /* Used with Transfer Orders */
PICK_TYPE                   CHAR(2),         /* Do not use */
PICK_ID                     VARCHAR(80),     /* Do not use */
PI_LOAN_RATE                DOUBLE PRECISION,      /* Used with Transfer Orders */
ORIG_PROD_ID                VARCHAR(75)      /* Used by Minder to record original
                                                Product code if changed */
ORIG_SSN_ID                 VARCHAR(255),    /* Used by Minder to record original
                                                SSN_ID if changed */
```

```
PREV_LINE_STATUS              CHAR(2),        /* Used by Minder to record prev Status */
PREV_PICK_ORDER_LINE_NO       CHAR(4),        /* Used by Minder to record prev Line No */
PREV_PREV_PICK_ORDER_LINE_NO  CHAR(4),        /* Used by Minder to record previous,
                                                 previous Line No */
PREV_PROD_ID                  VARCHAR(30),    /* Used by Minder to record prev PROD_ID */
PREV_PREV_PROD_ID             VARCHAR(30),    /* Used by Minder to record previous,
                                                 previous PROD_ID */
PREV_SSN_ID                   VARCHAR(20),    /* Used by Minder to record previous,
                                                 SSN_ID */
PREV_PREV_SSN_ID              VARCHAR(20),    /* Used by Minder to record previous,
                                                 previous SSN_ID */
EXPORTED_DESPATCH             CHAR(1),        /* Do not use  */
EXPORTED_DESPATCH_QTY         INTEGER,        /* Do not use  *
PARENT_LABEL_NO               VARCHAR(7)      /* Do not use – Minder uses for Kit Picking */
```

TABLE PICK_ITEM_DETAIL

This table records details of each picked ISSN (Inventory Stock Serial No – Licence Plate) used to fulfill a PICK_ITEM.
Minder System always tracks inventory via the ISSN (=Licence Plate Barcode label attached).
Sites can be setup to report by ISSN or by Product where the latter use of ISSN's are suppressed but still operates.

Enables multiple PICK_ITEM_DETAIL records (i.e. Multiple SSN_ID's) to fulfill one PICK_ITEM record.

Field Name	Field Type & Size	Field Notes
PICK_DETAIL_ID	INTEGER NOT NULL,	/* Internal Record_ID */
PICK_ORDER	VARCHAR(15),	/* used to make reporting easier */
PICK_LABEL_NO	VARCHAR(7) NOT NULL,	/* Used to join with PICK_ITEM */
SSN_ID	VARCHAR(20) NOT NULL,	/* Inventory Stock Serial No. */
DESPATCH_ID	INTEGER,	/* Related to Consignment No */
PICK_DETAIL_STATUS	CHAR(2),	/* 'DS' = Awaiting Despatch Connote, 'DC' = Despatch Connote issued, 'DX' = Consignment Exited */
QTY_PICKED	INTEGER,	/* Quantity being shipped */
DESPATCH_LOCATION	VARCHAR(10),	/* Despatch Assembly Location ID */
EAN_SSCC	VARCHAR(18),	/* Used for GS1 SSCC */
FROM_WH_ID	CHAR(2),	/* Order picked from Warehouse ID */
FROM_LOCN_ID	VARCHAR(10),	/* Picked from Storage Location ID */
PID_LEGACY_TRY	INTEGER default 0,	/* Attempts to update Legacy */
USER_ID	VARCHAR(10),	/* Despatch Operator ID */
DEVICE_ID	CHAR(2),	/* Device used for Despatching */
CREATE_DATE	TIMESTAMP,	/* use for KPI's */
LAST_UPDATE_DATE	TIMESTAMP,	

Please Note the above does not store the Product Code (PROD_ID), requires joining to the PICK_ITEM table via the PICK_LABEL_NO.

TABLE PICK_DESPATCH

This table holds Consignment Note Details created each time an Order is checked for Despatched and Consignment Labelling is generated.

A Consignment (PICK_DESPATCH record) may consist of multiple PICK_ITEM records but only for the one PICK_ORDER record provided PARTIAL_PICK_ALLOWED ='T'.

Field Name	Field Type & Size	Field Notes
DESPATCH_ID	INTEGER NOT NULL,	/* Related to Consignment No */
DESPATCH_STATUS	CHAR(2),	/* 'DS' = Awaiting Despatch, 'DC' = Connote created, 'DX' = Consignment Exited */
AWB_CONSIGNMENT_NO	VARCHAR(20),	/* Carrier Connote No. */
PICKD_CARRIER_ID	VARCHAR(10),	/* Minder Carrier ID */
PICKD_SERVICE_TYPE	VARCHAR(4),	/* Carrier Service Code */
PICKD_CHARGE_TO	CHAR(1),	/* 'R' = Freight Charge to be paid by Receiver or 'S' = Freight Charge paid by Sender */
SENDER_ACCOUNT	VARCHAR(10),	/* Sender's Carrier A/C # */
RECEIVER_ACCOUNT	VARCHAR(10),	/* Receiver's Carrier A/C # */
PICKD_POST_CODE	VARCHAR(10),	/* Often required by Carrier */
PICKD_SUBURB	VARCHAR(50),	/* Often required by Carrier */
PICKD_PALLET_QTY	INTEGER,	/* Total pallets shipped */
PICKD_CARTON_QTY	INTEGER,	/* Total Cartons Shipped */
PICKD_SATCHEL_QTY	INTEGER,	/* Total Satchels Shipped */
PICKD_WT_CALC	INTEGER,	/* Calculated Weight Shipped Requires Product Profile wts */
PICKD_WT_ACTUAL	INTEGER,	/* Actual Weight Shipped */
PICKD_VOL_ACTUAL	INTEGER,	/* Actual Volume Shipped */
PICKD_PALLET_OWNER	VARCHAR(10),	/* Owner of Pallets. eg 'CHEP' */
PICKD_ADDRESS_QTY	INTEGER,	/* Total Address labels Printed */
PICKD_LABEL_TYPE	CHAR(1),	/* 'P' =Pallet, 'C'=Carton, 'S' =Satchel Label types */
PICKD_EXIT	TIMESTAMP,	/* Despatch Exit Warehouse */
USER_ID	VARCHAR(10),	/* Despatched By */
DEVICE_ID	CHAR(2),	/* Device Id used */
CREATE_DATE	TIMESTAMP,	/* Despatch Prepared Connote */
LAST_UPDATE_DATE	TIMESTAMP,	

TABLE PACK_ID

This table holds details of each package that makes up a Consignment (PICK_DESPATCH record). Each Package has a unique PACK_ID which is used for non specific Carrier Consignment Barcoded numbers or may use CARRIER required Barcode e.g. Australia Post ePARCEL.

Field Name	Field Type & Size	Field Notes
PACK_ID	INTEGER NOT NULL,	/* Unique Package ID */
DESPATCH_ID	INTEGER NOT NULL,	/* Related to Consignment No */
DESPATCH_LABEL_NO	VARCHAR(40),	/* e.g. holds Aust Post ePARCEL #*/
PROD_ID	VARCHAR(30)	/* Not used unless Order Checking Includes option to record which Package each Product is packed into */
QTY	INTEGER,	/* see above PROD_ID */
SSN_ID	VARCHAR(30),	/* see above alternate to PROD_ID */
USE_BY_DATE	VARCHAR(20),	/* Date formats vary so uses string But requires Users to record which Pack ID */
LOT_BATCH_NO	VARCHAR(30),	/* Lot or Batch Number But requires Users to record which Pack ID */
DIMENSION_X	NUMERIC(9, 3),	/* Connote Package Width */
DIMENSION_Y	NUMERIC(9, 3),	/* Connote Package Depth */
DIMENSION_Z	NUMERIC(9, 3),	/* Connote Package Height */
DIMENSION_UOM	CHAR(2),	/* UoM e.g. ‘CM’ */
VOLUME	VOLUME,	/* Connote Package volume */
VOLUME_UOM	VARCHAR(10),	/* UoM e.g. ‘C3’=Cubic CentiMeters */
PACK_WEIGHT	DECIMAL(9,3),	/* Connote Package weight */
PACK_WEIGHT_UOM	CHAR(2),	/* UoM Package Weight e.g. ‘KG’ */
PACK_TYPE	CHAR(1),	/* e.g. ‘P’=Pallet, ’C’=Carton, ’S’=Satchel */
PACK_SEQUENCE_NO	VARCHAR(6),	/* Used in Aust Post ePARCEL */
PACK_LAST_SEQUENCE_INDICATOR	VARCHAR(2),	/* Used in Aust Post ePARCEL */
PACK_SERIAL_NO	VARCHAR(40),	/* Used in Aust Post ePARCEL */
CREATE_DATE	TIMESTAMP,	
LABEL_PRINTED_DATE	TIMESTAMP,	
LAST_UPDATE_DATE	TIMESTAMP,	

Inventory Receipts.

Warehouse*Minder is capable of Receipting Inventory from a number of sources including:

- Purchase Orders and which details must be held by the Minder database prior to receipting,
- Other Order types e.g. Work Orders used to manufacture Inventory and which details must be held by the Minder database prior to receipting,
- Non-Order based receipting – This involves creating inventory which has 'arrived' at Receiving Dock or is in-transit. This include 'on-consignment' inventory.
  They are 2 type of Non-Order based Receipting – Product and Non-Product or SSN Objects.
  Products are items which have a Product Profile and Product Code held by Minder database. There must be one central repository for Products and if not available in the ERP/Financial System then this can be held in the Minder Database.
  SSN Objects are simply non-products e.g. Museum Objects, Works of Art, Equipment for refurbishment.
- Transferred Inventory from another Warehouse*Minder warehouse – Only requires it's ISSN Barcode to be scanned to generate Receipt Transfer.

Typically all Financial systems can provide Purchase Order and Other Order Types details for use by Warehouse*Minder but to date we have found no Financial systems can provide details of Non-Order Based Inventory.
The receipting of Non-Order based Inventory has major financial management implications (and Insurance as one client thanked us for after their warehouse caught fire).
To handle these we provide for PURCHASE_PRICE field in the SSN table to enable Users to allocate an Inventory Cost for use in Cost of Sales (and perhaps their Salespersons commission).
This also implies Warehouse*Minder must periodically provide Inventory and Cost of Sales Journals.

This document will only detail Order based receipting. If Non-Order based receipting is required then B&DCS can provide details upon request.

TABLE PURCHASE_ORDER_LINE_TEMP

This table is used as a temporary repository to enable updating of Minder's PURCHASE_ORDER (Header) Table and Minder's PURCHASE_ORDER_LINE (Lines) Table.
(Similar to PICK_ORDER_ITEM_TEMP).
SQL triggers ensure that both these tables are updated from records inserted into the PURCHASE_ORDER_LINE_TEMP table.
A separate Import process is available where Supplier is able to provide an electronic Advanced Shipment Notice (ASN) and in which includes the Barcoded numbers attached to each unit or line of supplied inventory.
Minder Client's must specify as part of Scope & Gap any requirements for ASN importing.

The Minder system currently uses scheduled Python scripting to perform record insertion if it finds CSV data file/s in a nominated Folder. It will rename each import CSV to avoid duplication.

Purchase Orders can be Cancelled after importing into Minder but be aware that any Inventory Receipts completed before receiving Cancellation will not be reversed.

Field Name	Field Type & Size	Field Notes
***H_PURCHASE_ORDER_TYPE**	CHAR(2),	/* e.g. '**PO**' = Purchase Order */
***H_PURCHASE_ORDER**	VARCHAR(10) NOT NULL,	/* Mandatory P Order Number */
***H_PERSON_ID**	VARCHAR(10),	/* Supplier Internal ID */
***H_COMPANY_ID**	VARCHAR(20),	/* Inventory Owner ID, Minder supports multiple Inventory Owners. Default = CONTROL.COMPANY_ID Please note: Limit to VARCHAR(10) */
H_REQUISITION_NO	VARCHAR(10),	
H_PO_DATE	TIMESTAMP,	/* Date created/inserted in Minder */
H_PO_REVISION_NO	CHAR(2),	
H_PO_STATUS	CHAR(2),	/* 'OP'=Open, 'CL' = Closed, 'CN' = Cancelled, Default = 'OP'. Updated by Minder User or when All PO lines are Closed */
H_COMMENTS	VARCHAR(512),	/* External Notes sent to Supplier */
H_PO_PRINTED	TIMESTAMP,	
H_USER_ID	VARCHAR(10),	/* Internal USER_ID */
H_PO_RECEIVE_WH_ID	CHAR(2),	/* Receipting Warehouse ID Operates multiple warehouses. Default = Minder's Default WH_ID */
H_PO_LEGACY_MEMO	VARCHAR(1024),	/* Additional/Internal Notes */
H_PO_LEGACY_DATE	TIMESTAMP,	/* Legacy Order Entry Created Date */
***H_PO_DUE_DATE**	TIMESTAMP,	
***L_PO_LINE**	CHAR(4) NOT NULL,	/* Legacy System must not reuse PO Line number for another Product in revised Purchase Orders */
L_REQUISITION_NO	VARCHAR(10),	
***L_PROD_ID**	VARCHAR(30),	/* Will be inserted if not listed in Minder's Product Profile table */
/* See **PURCHASE_SUB_LINE** table for handling Advanced Shipment Notice (ASN) which Supplier sends electronically with list of Inventory Barcoded Line numbers */		
PP_SHORT_DESC	VARCHAR(512),	/* Used to update Minder's Product Profile SHORT_DESC*/
***L_PO_LINE_QTY**	DOUBLE PRECISION,	/* Mandatory for Products */
L_UOM_ORDER	CHAR(2),	/* Updates Product Profile */
L_PO_LINE_DUE_DATE	TIMESTAMP,	
L_PO_LINE_STATUS	CHAR(2),	/* 'OP'=Open, 'CL' = Closed, 'CN' = Cancelled, Default = 'OP'. equals ORIGINAL_QTY */
L_COMMENTS	VARCHAR(512),	/* External Notes sent to Supplier */
P_PERSON_TYPE	CHAR(2),	/* e.g. 'CS' = Supplier, 'IS' = Individual Supplier. Format Addresses. Default = 'CS' */
P_FIRST_NAME	VARCHAR(50),	/* Supplier Name – Helps Users identify Orders if PO # not displayed*/
P_LAST_NAME	VARCHAR(50),	/* Individual Supplier's last name */
P_ADDRESS_LINE1	VARCHAR(100),	
P_ADDRESS_LINE2	VARCHAR(50),	
P_CITY	VARCHAR(50),	
P_STATE	VARCHAR(15),	
P_POST_CODE	VARCHAR(10),	
P_COUNTRY	VARCHAR(25)	

TABLE PURCHASE_SUB_LINE

This table is used to record Supplier's uniquely Barcoded Inventory.
Please Note – we have found very few Financial systems that are designed to handle this type of Data.

This table is usually updated after receiving details electronically in an Advanced Shipment Notice (ASN) from Supplier and before PO Receipt i.e. In-Transit Status is used for Inventory.

This table can be used to hold Bluescope Steel Coil Numbers which speeds up receipting as the Coil numbers only need to be scanned to complete receipt subject to B&DCS receipt of Bluescope details.

Field Name	Field Type & Size	Field Notes
RECORD_ID	INTEGER NOT NULL,	/* Minder generated */
PURCHASE_ORDER	VARCHAR(10) NOT NULL,	
PO_LINE	CHAR(4) NOT NULL,	
SSN_ID	VARCHAR(30),	/* Populated by Minder at Receipt time*/
PSL_SUPPLIER_PROD_ID	VARCHAR(30),	/* Supplier's Product Code */
PSL_ SUPPLIER_SPEC_NO	VARCHAR(75),	/* Supplier's Specifications */
PSL_ORDER_QTY	INTEGER,	/* Supplier's Documented Shipped Qty */
PSL_RECEIVED_QTY	INTEGER,	/* Actual Receipted Qty */
PSL_RECEIVE_UOM	CHAR(2),	/* Supplier's UoM e.g. 'PC' = Pieces Note: May require UoM Conversion to Issue UoM Entry */
PSL_DIMENSION_X	NUMERIC(9,3),	
PSL_DIMENSION_Y	NUMERIC(9,3),	
PSL_DIMENSION_Z	NUMERIC(9,3),	
PSL_DIMENSION_UOM	CHAR(2),	/* e.g. 'MM' */
PSL_WEIGHT	NUMERIC(9,3)	
PSL_WEIGHT_UOM	CHAR(2),	/* e.g. 'KG' */
PSL_OTHER1	VARCHAR(50),	/* Supplier's Barcode # e.g. Steel Coil # */
PSL_OTHER2	VARCHAR(50),	/* Spare, defined for each Supplier */
PSL_OTHER_DATE3	TIMESTAMP,	/* Use_By_Date. Can be another date */
PSL_OTHER_DATE4	TIMESTAMP,	/* Packed Date. Can be another date */
PSL_STATUS	CHAR(2),	/* e.g. 'IN' = In-Transit, 'RC' = Receiving */
USER_ID	VARCHAR(10),	
DEVICE_ID	CHAR(2),	
CREATE_DATE	TIMESTAMP,	
LAST_UPDATE_DATE	TIMESTAMP,	
LAST_UPDATE_BY	VARCHAR(10),	

TABLE GRN

This table records how the receipted inventory was delivered into the Warehouse. Organisations vary considerably as to how much details they wish to record, the following is available:

Field Name	Field Type & Size	Field Notes
***GRN_TYPE**	CHAR(2),	/* '**PO**'=Purchase Order, '**WO**' = Work Order, **'LD'** = Load SSN's, '**LP**' = Load Product. */
***GRN**	VARCHAR(10) NOT NULL,	/* Unique instance of an Inventory Receipt. Generated by Minder */
WH_ID	CHAR(2),	/* Minder Warehouse Code */
***ORDER_NO**	VARCHAR(10),	/* hold PO/WO # or Minder generated Load Number if Type = 'L*' */
***OWNER_ID**	VARCHAR(20),	/* Inventory Owner ID used for Non-Order receipts, Default = CONTROL.COMPANY_ID Please note: Limit to VARCHAR(10) */
***GRN_STATUS**	CHAR(2),	/* '**IN**' = In-transit, '**DL**' = Delivered */
AWB_CONSIGNMENT_NO	VARCHAR(20),	/* Carrier Connote or AWB # */
GRN_DUE_DATE	TIMESTAMP,	/* Used if In-Transit GRN
***TOTAL_QTY_PACKS**	INTEGER,	/* Signed Connote quantity */
***RETURN_ID**	VARCHAR(10),	/* Supplier ID – Minder must have */
SHIPPED_DATE	TIMESTAMP,	/* Date Shipped from Supplier */
RECEIPT_FLAG	CHAR(1),	/* Null, 'F' or 'T' = Receipting Condition problem observed */
CARRIER	VARCHAR(10),	/* Internal CARRIER_ID e.g. 'TNT' */
VEHICLE_ID	VARCHAR(8),	/* Truck Rego but often used other */
PALLETS_YN	CHAR(1),	/* 'N'=None,'C'=CHEP,'O'=OWN, 'U'= Unknown */
GRN_PALLET_QTY	INTEGER,	/* If above not = 'N' then qty > 0
DELIVERY_DOCKET	VARCHAR(10),	
CONTAINER_NO	VARCHAR(20),	/* Shipping Container # */
CONTAINER_TYPE	CHAR(2),	/* '2F'=20 Foot General Container, 'L7' = LD7 Airfreight Pallet…. */
COMMENTS	VARCHAR(512),	/* Receiving User's Comments */
LAST_LINE_NO	INTEGER,	/* Used by Minder for SSN's */
LAST_PALLET_NO	INTEGER,	/* Used by Minder for SSN's */
PACK_CRATE_OWNER	VARCHAR(10),	/* Hire Crate Owner e.g. 'CHEP' */
PACK_CRATE_TYPE	CHAR(2),	
PACK_CRATE_QTY	INTEGER,	
GRN_FREIGHT_FORWARDER	VARCHAR(10),	/* Internal Minder PERSON_ID */
GRN_FREIGHT_ACCOUNT_NO	VARCHAR(20),	
GRN_LEGACY_INTERNAL_ID	VARCHAR(20),	/* NETSUITE ERP Internal ID */
VESSEL_NAME	VARCHAR(75),	/* used when GRN In-Transit */
VOYAGE_NO	VARCHAR(75),	/* used when GRN In-Transit */
OTHER1	VARCHAR(50),	/* Spare GRN fields */
OTHER2	VARCHAR(50),	/* Spare GRN fields */
OTHER3	VARCHAR(50),	/* Spare GRN fields */
GRN_DATE	TIMESTAMP,	/* GRN created */
LAST_UPDATE_DATE	TIMESTAMP,	
GRN_PRINTED	TIMESTAMP,	
USER_ID	CHAR(2)	/* Minder Receipting User ID */
DEVICE_ID	CHAR(2)	/* do not use, Minder updates during WIP */

TABLE PRODUCT PROFILE

The Product Profile table (called PROD_PROFILE by Minder) holds static Product description details and is used mainly for Label Printing but also warehouse Slotting and Pick face replenishment.

Field Name	Field Type & Size	Field Notes
***PROD_ID**	VARCHAR(30) NOT NULL,	/* Product Code */
SHORT_DESC	VARCHAR(255) NOT NULL,	/* If empty will = PROD_ID */
LONG_DESC	VARCHAR(255) NOT NULL,	
ALTERNATE_ID	VARCHAR(30) ,	/* Alternate Product Code */
PROD_TYPE	CHAR(2),	/* Reporting Category Code */
STORE_TYPE	VARCHAR(40),	/* Storage Requirements */
ALT_PROD_TYPE	CHAR(2),	/* Reporting Category Code */
PROD_TYPE_COMMENT	VARCHAR(255),	
HAZARD_TYPE	VARCHAR(40),	
STOCK	CHAR(1),	/* Status e.g. 'C'=Current, 'O'=Obsolete */
SPECIAL_INSTR	VARCHAR(50)	/* Usually used on Product Labels */
REPLENISH	CHAR(1),	/* Flag for Replenishment Checking */
PERM_LEVEL	CHAR(1),	/* Not used (yet) */
SSN_TRACK	CHAR(1),	/* Not used (yet) */
TOG_C	CHAR(2),	/* Turnover Group e.g. 'A','B' or 'C' */
PROD_LOCN_SEQ	NUMERIC(9,3),	/* Used for Minder Slotting calc. */
SIZE_TYPE	VARCHAR(40),	/* Used for Minder Slotting calc. */
UOM_SIZE	VARCHAR(10),	
ORIENTATION	VARCHAR(40),	/* Used for Minder Slotting calc. */
HOME_LOCN_ID	VARCHAR(10),	/* Pick from location ID, Slotting 1 */
ALT_HOME_LOCN	VARCHAR(10),	/* Slotting 2 location ID */
ALT_HOME_LOCN2	VARCHAR(10),	/* Slotting 3 location ID */
ALT_HOME_LOCN3	VARCHAR(10),	/* Slotting 4 location ID */
COMPANY_ID	VARCHAR(20),	/* Used to limit User access where Multiple Inventory Owners exist. Please note: Limit to VARCHAR(10) */
ALTERNATE_COMPANY_ID	VARCHAR(20),	/* Used to limit User access where Multiple Inventory Owners exist. Please note: Limit to VARCHAR(10) */
***UOM**	VARCHAR(2),	/* UoM – Sales Order Picking Unit */
ISSUE	INTEGER,	/* Issue Quantity per UoM */
ISSUE_UOM	VARCHAR(2),	/* Unit of Measure – OTC Issue Unit */
DEFAULT_ISSUE_QTY	INTEGER,	/* OTC Consumables Issue Qty */
NET_WEIGHT	NUMERIC(9,2),	
NET_WEIGHT_UOM	CHAR(2),	
PACK_WEIGHT	NUMERIC(9,3),	/* Issue Finished Goods Weight */
VOLUME	DOUBLE PRECISION,	
VOLUME_UOM	VARCHAR(2),	
INNER_WEIGHT	NUMERIC(9,2),	
INNER_WEIGHT_UOM	CHAR(2),	
INNER_UOM	CHAR(2),	
ISSUE_PER_INNER_UNIT	INTEGER,	/* Inner pack quantity */
ORDER_UOM	VARCHAR(2),	/* Unit of Measure – Purchase unit */
ISSUE_PER_ORDER_UNIT	INTEGER,	/* Issue Quantity per Order UoM */
ORDER_WEIGHT	INTEGER,	/* Do not use. Not a good field type!! */
ORDER_WEIGHT_UOM	CHAR(2),	
MAX_QTY	INTEGER,	/* Warehouse Maximum Total */
MIN_QTY	INTEGER,	/* Warehouse Minimum Total */

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  REORDER_QTY                 INTEGER,              /* Warehouse ReOrder Level */
  PALLET_CFG_INNER            CHAR(2),              /* Pallet Stacking Conf. Code  */
  PALLET_CFG_ALTERNATE        CHAR(2),              /* Pallet Stacking Conf. Code  */
  PALLET_CFG_C                CHAR(2),              /* Pallet Stacking Conf. Code  */
  MAX_WEIGHT_UNDER            SMALLINT,             /* Used for Order Check weighing */
  MAX_WEIGHT_OVER             SMALLINT,             /* Used for Order Check weighing */
  DIMENSION_X                 NUMERIC(9, 3),
  DIMENSION_Y                 NUMERIC(9, 3),
  DIMENSION_Z                 NUMERIC(9, 3),
  DIMENSION_X_UOM             CHAR(2),
  EXPORT_CATEGORY             CHAR(1),          /* Imports into NZ must state if wood used */
  TEMPERATURE_ZONE            CHAR(2),
  SSN_TYPE                    VARCHAR(40),          /* used by Minder Object Types */
  PP_PACKAGE_TYPE             CHAR(2),
  PP_MATERIAL_SAFETY_DATA     CHAR(1),
  PP_MATERIAL_SAFETY_DATA_NO     VARCHAR(40),
  PP_HAZARD_STATUS            VARCHAR(5),
  PP_HAZARD_WARNING           VARCHAR(128),
  ORDER_QTY                   DOUBLE PRECISION,     /* Used for Slotting calcs.  */
  MTHS_ONORDER                DOUBLE PRECISION,     /* Used for Slotting calcs.  */
  SALE_PER_MTH                DOUBLE PRECISION,     /* Used for Slotting calcs.  */
  LOCN_VISIT_PER_MTH          DOUBLE PRECISION,     /* Used for Slotting calcs.  */
  PERCENT_HIT_MTH             DOUBLE PRECISION,     /* Used for Slotting calcs.  */
  MIN_LOT_SIZE                DOUBLE PRECISION,     /* Used for Slotting calcs.  */
  SALE_VOL_PER_MTH            DOUBLE PRECISION,     /* Used for Slotting calcs.  */
  TURNOVER_PER_MTH            DOUBLE PRECISION,     /* Used for Slotting calcs.  */
  STOCK_ON_HAND               INTEGER,          /* Typically updated overnight Reporting or
                                                   Legacy System importing */
  MIN_STOCK_DAYS              INTEGER,          /* Typically updated overnight Reporting */
  MAX_STOCK_DAYS              INTEGER,          /* Typically updated overnight Reporting */
  REORDER_STOCK_DAYS          INTEGER,          /* Typically updated overnight Reporting */
  ORIGINAL_STOCK_ON_HAND      INTEGER,          /* Used for Cost of Inventory calculations */
  ORIGINAL_DATE               TIMESTAMP,        /* Used for Cost of Inventory calculations */
  LAST_UPDATE_DATE            TIMESTAMP,
  LAST_UPDATE_BY              VARCHAR(10)
```

B&DCS prefer to have the Legacy ERP/Financial System create a Product Profile Report nightly and which Minder imports to update its PROD_PROFILE table as well as report any Stock-on-hand variances.

The following is minimum but Minder Client's may specify as part of Scope & Gap any above additional Minder fields they require in imported Product Profile table.

Field Name	Field Type & Size	Field Notes
***PROD_ID**	VARCHAR(30) NOT NULL,	/* Product Code */
***SHORT_DESC**	VARCHAR(255) NOT NULL,	/* If empty will = PROD_ID */
***UOM**	VARCHAR(2),	/* UoM – Sales Order Picking Unit */
STOCK_ON_HAND	INTEGER,	/* Used by Minder to Report Variances */

Stock Adjustments.

B&DCS prefer to avoid automatic Stock Adjustments as these have major financial implications (if the Minder User gets this wrong).

However, Minder's Stocktaking Function can provide screen and hard copy reports which enables an authorized Legacy System User to make Stock adjustments.