

MINDER Series Transactions

V3.8 MINDER Transactions are key to the system. They are inserted by Delphi, Java and Hand Held Applications into the TRANSACTIONS Table and stored procedures are used to both update the Database and remain as an Audit trail of each inventory process. Note the character = "!" is a delimiter and is only found inside of some Transaction Fields. All v3.8 Transaction have fixed length and layout. V4.0 has variable lens.

01/05/05 GSN

GRNCC - was GRNDC - as advised by Frank
GRNVH - Used to record the Net Weight of each new Loading of Non-Product SSN and Print ISSN Labels.
GRNVQ - Used to record the Net Weight of each new Loading of Product SSN and Print ISSN Labels.
NINWA - Used to update the Net_Weight if an SSN Used if not weighed during Receipt Verification
STPAP - Stock Adjustment for a Product at Location and ISSN Status
STKAP - Creates Kits (Product) from Components - Uses BSS Rule which must consume from highest qty storage
PPPPP - Pallet Stacking Configuration - Each Product Profile has up to 3 Pallet Configurations - Inners, Outers on Std Australian Pallet + Outers on non-standard Australian Pallet.

31/10/05 GRN + FL

GRNVP - Altered the Reference Field to handle 6 digit Qty on each ISSN Label -requested by BlueScope. Reduced length of the Load Line number from 5 to 1 bytes. This only applies to LP Reference Data.

GRNVQ - Altered the Reference Field to handle 6 digit Qty on each ISSN Label -requested by BlueScope. Reduced length of the Load Line number from 5 to 1 bytes. This only applies to LP Reference Data.

08/12/05 - GSN

GRNVQ - Altered the QTY field to be = 0 for 2nd and subsequent Transactions of a multiple Weights Delivery of Product. This is to stop multiple counting in the TRANSACTIONS_ARCHIVE Table for Product Receipts History Report

11/06/06 - GSN

GRNDL - Required for APCD, Granville. Requests GRN Labels to be printed.
Revised some Pages and changed PLxx Specifications - to be confirmed.

25/06/06 - GSN

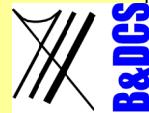
PKOZ? - Required Magnamail Conveyor Pick Zone - Used to Update each line of an Order from 'AL' Status to 'DS' Status at the time of starting a Pick

25/7/06 - GSN

STPZ Send STPZ Transaction to Adjustment of each Product consumed by a Zone Picking process - Magnamail Conveyor Line. This Transaction must be called for each Product listed in the Order after successful Check Weighing.
PKUS Picker scans the Sales Order Number to directly/force update either the Order or every Order line to a new Status. Transaction created to avoid the lengthy development needed for PKOZ above.

04/03/07 - GSN

New and modified **GRNDB&G** added Shipping Rates. New **GRNCN** -Record Container No. New **GRNCL** - Assign Lot No to GRN_Group



MINDER Series Transactions

MODIFIED Transaction 04/03/07 Glen

GRND = Records How Receipt Delivered to Warehouse

Previously Modified 5/10/04 Frank

Class = 'G' or 'B' added
5/10/04

OBJECT_ID Field holds:
Consignment Note No (20) +
'|' +
Consignment Note Date =
Shipped Date =YYYYMMDD
(added 16/9/04)

<u>Reference - Delivery Type:</u>
Purchase Order = 'PO'
Load = 'LD'
Load Product = 'LP'
Work Order = 'WO'
Return Authorised = 'RA'
Inter Branch Transfer = 'TR'

New Class ‘B’ added 5/10/04 - If Class B means call ‘ADD_TRAN_RESPONSE’ which apart from generating a new GRN, returns the value of the newly created GRN (call ‘RESPONSE_TEXT’ VARCHAR(70)). Whereas the older GRNDG Class=G does not return the GRN.
See trigger RUN_TRANSACTION_GRN for return details...
= ‘GRN:’ || WK_GRN_ID || ‘LOAD:’ || WK_LOADNO || ‘message:’ || WK_ERROR_TEXT;

Reference - Delivery Type:

Purchase Order = 'PO'	Load = 'LD'
Load Product = 'LP'	

~~Reference - Order No + Received Pallet details:~~

'P000123-----' = Order No (10 bytes) + 4 spaces (was Line No).
'[N]' = No Container, NOTE: If Load then leave Order No & Line No empty
(10+4 spaces) as system creates Load No.

~~'C---' = Pallet Owner (2 bytes) was 10 bytes + Pallet Qty (3).~~

~~Use OPTIONS Table to identify Pallet Owner e.g. 'C' = CHEP.~~

'[C-FD]100' = Shipping Crate Owner (2 bytes) + Shipping Crate Type + Crate Qty(3).

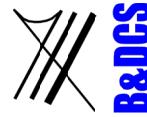
~~Use OPTIONS Table to identify Shipping Crate Owner e.g. 'C' = CHEP~~

~~Use OPTIONS Table for Shipping Type Code e.g. 'FD' = Fold Down Crate.~~

New **GRN** Table Fields:
CONTAINER_TYPE

SHIPPING_CREATE_OWNER
SHIPPING_CREATE_TYPE

SHIPPING CREATE QTY



MININDER Series Transactions

GRND = Records How Receipt Delivered to Warehouse

MODIFIED Transaction 04/03/07 Glen

Previously Modified Transaction 5/10/04 Frank

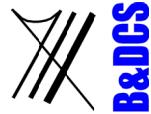
GRNCC = Records a Comment about Goods Delivered to Warehouse

CodeCYYYYMMDDhhmmssConsignment Note-----| ShipDate-Carrier Veh=SubLocReference
GRNDG20041005130101CN000123456AHC001----| 20040916-AIRROAD---ABC123----PO|P000123---|---|N|C|-|--1|C|-|FD|100|---
Qty-----| UUUUUUTDDSSSSSSSS
Iglen MASSBSSSSSS

Was GRND C 01/05/05 GSN

OBJE^T ID(30)+LOCATION(10)+Reference(40) Fields holds Comments:
‘STOCK FOUND - CLEANUP OF NEW PREMISES A’-----‘T SMITH ST’

SUBLLOCATION Field holds: GRN 10 from previous GRNB/G Transaction



GRND - Goods Receipt and GRN Label Transactions

GRND = Records How Receipt Delivered to Warehouse

Class B calls 'ADD_TRAN_RESPONSE' which returns newly created GRN (call 'RESPONSE_TEXT' VARCHAR(70)).
= 'GRN:' || WK_GRN_ID || 'LOAD:' || WK_LOADNO || 'message:' || WK_ERROR_TEXT;
11/6/06 New Class L - Used to Print GRN Labels. Requires the GRN to be sent

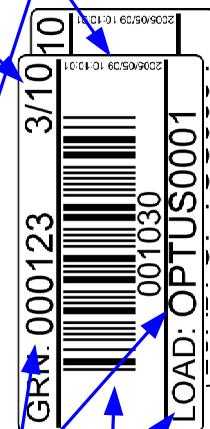
GRNDL = Used to Print GRN Labels - requires GRND to create a GRN

~~11/6/06 - GRNDL Transaction required to allow APCD, Granville to receipt deliveries and label them before they start to Verify (create SSN's). Using the GRN Barcode means Deliveries can be moved before they have been Verified. This is needed for ISO 9001 Quality Control Accreditation~~

Class = 'L'	GRN as returned from GRNDG or B above
OWNER_ID (10), SUPPLIER_ID (10)	LOCATION Field holds: 'OPTUS001---' = Load No (10 bytes) + Delimiter + 'Printer ID (2)
SUB_LOCATION Field holds:	Reference Field holds: 'LD' = Load Type Code + 'OPTUS001---'

Database Procedure creates **'GRN.txt'** Label Data file for use by BarTender to print from e.g.
“**GRN_LABEL_NO**”, “**GRN**”, “**GRN_TYPE**”, “**LOAD_NO**”, “**AWB**”, “**CONSIGNMENT_NO**”, “**QTY_LABELS**”, “**GRN_DATE**”, “**PRT_ID**”
“001030”, “000123”, LOAD:,”OPTUS001”, “01”, “CN000123456ABC001”, “10”, “2006/05/09 10:10:01”, “PA”

Codabar Barcoded
GRN_LABEL_NO
Generated by Database



AWB_CONSIGNMENT_NO
not printed on current Label - Future

MINDER Series Transactions

GRNDB = Records How Receipt Delivered

MODIFIED Transaction 04/03/07 Glen

GRNCN = Continues any GRNDB - Records Shipping Container No

NEW Transaction 04/03/07 Glen - for FPG

04/03/07 - GRNCC Transaction required to allow record Shipping Container No and update the GRN Table's CONTAINER_NO Field. If GRND Class B has the Container field = 'Y' then it will require Input screen or popup to capture Container Number. This Transaction is similar to GRNCC - accepts Comments about a GRN

'000123' = GRN returned
from GRNDB Transaction

001ANZ3456/0123 = Shipping Container No stored in GRN CONTAINER NO Field max 20 L

The logo consists of a stylized 'B' and 'D' formed by two intersecting diagonal lines, followed by the text 'B&DCS' in blue.

MINDER Series Transactions - Assign Lot Number to a GRN CREATED Transaction 03/04/07 Glen

GRNCL = Assigns a Lot Number to a GRN, Create Lot Line No, Update Company or Supplier

CodeCYYYYMMDDhhmmssGRN-----| Spare--- OWNER _ID---SUPPLIER ID reference
GRNCL20070304101001000123-----| -|-----|
Qty _____ UUUUUUUUUUUUUUUUU
Iglen MASSBSSSSSS

'L' Class
identifies the
Object Id
Field as GRN

\ GRN is generated by previous GRND Transaction

Reference Field details:

Table Parameters and stores in the GRN_GROUP Table. E.g. '7234'. Procedure must check that GRN_GROUP does not already hold a Lot No.

If Reference = '7234||' then means create record in GRN_ORDER Table if not already exists and updates LOT_NO_LINE_NO with first number not existing limited by CONTROL TABLE length e.g. 2 bytes

The Transaction QTY Field is used to indicate how many new GRN_ORDER Records to be created each with sequential LOT_NO_LINE_NO

If Reference = '7234|01' then means create record in GRN_ORDER Table if no already exists but ignores the QTY value. This maybe also used to update COMPANY_ID and/or SUPPLIER_ID in GRN_ORDER.

The Verification screen used to generate SSN's and ISSN's must use the GRN ORDER Table for each Pallet Verified.

```

/* Table: GRN_ORDER, Owner: SYSDBA */
CREATE TABLE GRN_ORDER
(
    GRN           NOT NULL,
    ORDER_NO     NOT NULL,
    ORDER_NO     NOT NULL,
    GRN_LABEL_NO NOT NULL,
    COMPANY_ID   COMPANY,
    SUPPLIER_ID  PERSON,
    CREATE_DATE   CREATE_DATE,
    CREATED_BY    USER_ID,
    LOT_NO        CHAR(10) /* LOT_NO(4) +LINE_No(2)+PALLET(2) */ ,
    LOT_NO_LINE_NO CHAR(4) /* totals = 8 for ISSNs at Fresh Produce. */
)
PRIMARY KEY(GRN, LINE_NO, PALLETT)

```

New **GRN_GROUP** Table Fields:

LOT_NO	VARCHAR(10)
	e.g. '7234'
LOT_NO_LINE_NO	CHAR(4)
	e.g. '01'

Hence **ISSN_ID** = '723401+Pallet No '01'= '72340101'

Using the GRN_ORDER also allows us to print GRN labels as at APCD if required.

This now allows us to use the FOSS GRNVS & GRNVI Transactions. See following pages

MINDER Series Transactions - Goods Receipt - GRN

GRNVP uses default COMPANY ID from CONTROL Table

Changed Class to 'P' from 'G' - 21/7/04	<p>'P' Class identifies the Object Id Field as Product ID with full 30 bytes v's SSN Load using 2 parts (Return From+OwnerID's)</p>	<p>GRN is generated by previous GRND Transaction</p>
Reference Field details:	MODIFIED Transaction 25/10/04 Frank	<p>'LP ABCORP--- --- Type = LOAD PRODUCT (2 bytes+) + Return From (10 bytes + ---) plus (25/10/04 'LP' was 'LD' - New Product Profile record created if unknown.)</p> <p>' --- ---10' = Qty of 9 x Labels printed with 'Product Qty/Label=10' plus ' --- ---9' = Qty of 1 x Label printed with 'Product Qty/Label =9' plus 'A' = Use Printer ID 'A' for Labels. Transaction creates 1 x SSN + 10 x ISSN's.</p>

CodeYYYYMMDDhhmmssSupplierIDCompany_IDDivisionIDLocation_GRN=SubLocReference
GRNVS20030902115020FOSSUSA--FOSSAUS--AUTINTRANSTGRN00123--96354281-----|K|
QTY _____|96354281-----|K|
_____|50glenn MASSSSSSSS
_____|UUUUUUUDSSSSSSSS

FOSS Import Modification: Class = 'S' added 16/9/04	'S' Class identifies the Object Id Field as SUPPLIER_ID (=From) COMPANY_ID (=Owner) DIVISION_ID (future)	GRN is generated by previous GRND Transaction	Reference Field details: Holds only SSN (18) + '+' + ISSN(18) + '+' + that have been created by the SUPPLIER_ID. System to check if SSN exists, if not create SSN + ISSN. If SSN exists then check if ISSN exists if not, create with ORIGINAL_SSNN = SSN plus Qty. Note max input =18 bytes as full 20 for SSN/ISSN's not possible If Transaction Date+Time =SSN Created date then do not add Qty to Original qty.
05/10/04	Byte 108 'K'=Kit, 'X'= Not in Kit, =NULL ignore - Created by Frank		

<p>FOSS Import Modification:</p> <p>Class = 'I'</p> <p>added 28/9/04</p>	<p>'I' Class Object ID holds Product ID when SSN NOT = ISSN in Reference Field</p> <p>GRN is generated by previous GRND Transaction</p> <p><u>Reference Field details:</u></p> <p>Holds only SSN(18)+ ISSN(18)+ that have been created by the SUPPLIER_ID. System to check if SSN exists, if not create SSN + ISSN. If SSN exists then check if ISSN exists if not, create with ORIGINAL_SSNN = SSN plus Qty.</p> <p>Class = "I" means that SSN will NOT = ISSN.</p>
---	--

05/10/04 Byte 108 'K'=Kit, 'X'|=Not in Kit, '|'=NULL ignore - Created by Frank