Global 3000 Technical Specification

Reseller Drill Down

Version 2 updated 13/12/2007

Reseller Drill Down

This document describes the changes needed to a Reseller's application to integrate with the drill-down enquiry function available in Global 3000 V6.0.

Connecting Drill Down from GL Enquiries into Your Product	
Step 1	Provide a drill down service routine in the form of a stand alone program or frame installed onto the program unit containing library P.LM3000.
	The routine will be invoked when a user in GL transaction enquiry selects an item posted from your system. Your routine is invoked via NEWEV$ and is passed a 5.10 format GK record containing details of the item originally passed to the General Ledger and a PIC 9 COMP field in which to signal an enquiry failure should the need arise.
Note	Unless red ink is in use, field GKSIGN will be set to "C" and GKAMNT will be positive if the original GKAMNT was sent as a negative value with GKSIGN set to spaces.
Step 2	Modify your postings to GL to set fields GKRFOD and GKTYOD. GKRFOD is a twenty five byte field displayed by GL in the scrolled area of the first level drill down window presented when a journal is selected for drill down. GKTYOD is a 3 character field identifying the type of posting. It is intended for use by your drill down service routine in determining which of your enquiry windows to drill to.
Step 3	Switch on drill down enquiry in the 'BOS' format General Ledger Interface Definition for your package and set up the software module, drill down service routine id and any logical address assignments that need to be in place for the enquiry.
Step 4	Post to GL, go to GL enquiries and select a journal for drill down. When the first level drill down window is displayed, position the cursor on the specific posting to be enquired upon and press return.
	Any standard units identified in the assignments table in the General Ledger interface definition are assigned, your service routine is loaded and passed details of the item in a format 5.10 GK record.
	On successful completion of an enquiry, the service routine just exits.

Connecting Drill Down from CL or DL Enquiries into Your Product	
Step 1	Provide a drill down service routine in the form of a stand alone program or frame installed onto the program unit containing library P.LM3000. The routine will be invoked when a user in GL transaction enquiry selects an item posted from your system. Your routine is invoked via NEWEV$ and is passed a parameter block containing information used to identify the source transaction in the sending system, and a PIC 9 COMP field in which to signal an enquiry failure should the need arise.
Step 2	Modify your postings to DL in one of the two following ways.
	• Set fields TTRFOD and TTTYOD. These are used when drilling down from Debtors enquiries to your own package. TTRFOD is a twenty five byte field displayed by DL in the scrolled area of the transaction window. TTTYOD is a 3 character field identifying the type of posting. It is intended for use by your drill down service routine in determining which of your enquiry windows to drill to when drilling down from DL.
	• Set fields TLRFOD and TLTYOD. These are posted onto the GL module and are used when drilling down from GL to your own package. TLRFOD is a twenty five byte field displayed by GL in the scrolled area of the drill down window displayed when you select a transaction to be drilled down into. TTTYOD is a 3 character field identifying the type of posting. It is intended for use by your drill down service routine in determining which of your enquiry windows to drill to.
Note	If TLRFOD and TLTYOD are left blank, they will be populated from TTRFOD and TTTYOD.
Example	In SOP, the field TLTYOD is set to "SOI" for invoices and "SON" for credit notes. TLRFOD contains the invoice/credit note number and order number. e.g. "Inv 174/ORD000152"
Step3	Switch on drill down enquiry in the 'BOS' format Debtors Ledger Interface Definition for your package and set up the software module, drill down service routine id and any logical address assignments that need to be in place for the enquiry.
Step 4	Post to DL, go to DL enquiries and select a transaction for drill down. If the transaction drills down to more than one item in the destination module, the first level drill down window is displayed. Position the cursor on the specific posting to be enquired upon and press return. Any standard units identified in the assignments table in the Debtors Ledger interface definition are assigned, your service routine is loaded and passed details of the item in a parameter block.

		On successful completion of an enquiry, the service routine just exits.

	Note	The company-id associated with the transaction is also passed across in the TT record in the last two bytes of the redefined record area. Add the following redefinition to your drill-down enquiry frame.
		
		``
		01 FILLER REDEFINES TTRFOD *D17598
		   03 FILLER PIC X(25) *D17598
		   03 FILLER PIC X(32) *D17598
		   03 TTCOID PIC X(2) *D17598
		``
		
		Ignore the compilation warning "** WARNING 30- REDEFINITION IS TOO LONG" that occurs when you compile a frame using this redefinition.

	Note	Any unit assignments made during a drill down enquiry remain in force on completion of the enquiry.

Updating the Interface Details

Definitions of Auto-Transfer Interfaces

Source	Title	----Transfer File---- Format	Name	Unit	Last Seq
CM	Extract to Cash Manager	BOS	CMXDLnnn	CMD	018
SO	Global 3000 SOP	ITG	DLXSOnnn	DLD	052
XX	Reselers SOP System	ITG	DLXXXnnn	DLD	001

Interface Details

☑ Export Data to other Systems?

Type of Import? [Normal ▾]

☐ Generate reference numbers automatically?

☑ Post Created Batches, so Preventing Amendments?
☑ Delete Transfer File After Successful Transfer?
   Transfer File Deletion Delay (in Generations) [3]
☐ On-line Posting?
☐ Drill down enquiry available?

Last Transfer
Performed by [DJF2] on [19/07/05] at [15.51.46]

[Search]   [Amend] [Apply] [Close]

Firstly locate the specific interface used to import transactions from the list of interfaces defined for the module and enable the "Drill down enquiry available" option. In this example DL imports transactions from a module we have designated "XX".
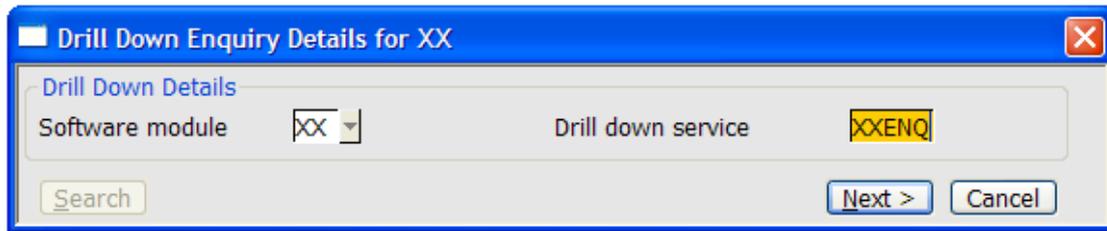
Next we need to identify the drill down program to be invoked when the user tries to drill down from a transaction imported through this interface.

Software module	This field simply identifies the id of the package. For the standard Global 3000 V6.0 modules, this helps to identify the drill down program to be invoked. For a reseller application this serves as narrative helping to identify the reseller application. In most cases you will probably set this to the same value as the interface-id.
Drill down service	This field identifies the name of the frame to be invoked when a drill down enquiry is requested for a transaction imported through this interface
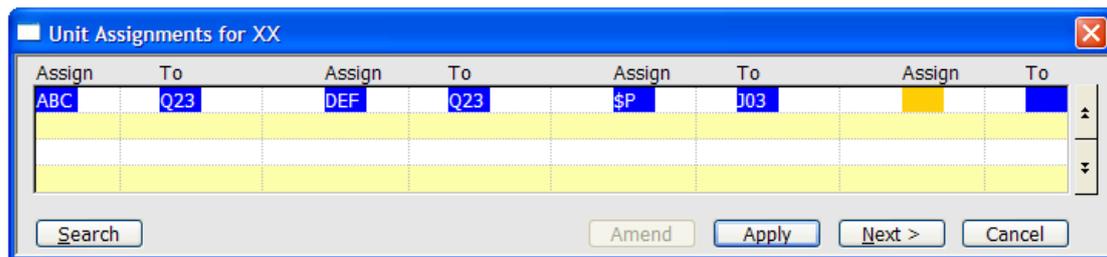
Next we can specify any additional unit assignments that need to be established in order to invoke the reseller application.

Assign	The logical unit assignment to be created.
To	The physical unit to be assigned to the preceding logical unit assignment.
Please Note	If the frame to be invoked is on a different unit, you can use this function to temporarily re-assign $P.

Software Changes Required for Drill down from CL and DL

Using the above example, the drill down enquiry program XXENQ is invoked when you attempt to drill down from a relevant transaction.

The frame XXENQ must be a stand alone frame (i.e. not contained within a library), but can reside on a different program unit (providing a $P assignment has been included in the unit assignments for the interface record).

The drill down is passed the TT record that matches the original TT record posted across as closely as possible.

In particular the TTTYOD and TTRFOD fields are provided

Source of example XXENQ

```
FRAME XXENQ
NOCLEAR                          * Do not clear screen

DATA DIVISION

LINKAGE SECTION

77 L-FAIL       PIC 9 COMP

01 TT
COPY TT

WINDOW W1
EDT
REPEAT UNTIL NXT
SEQUENCE EXIT, EXIT
BOX 03 02 45 06
BASE AT  6 31
02 02  "Drill Down Enquiry"                    A12
04 03  "Customer"
              04 20  W1CUSU      X(7)          DIS
06 03  "Type of origin"
              06 20  W1TYOD      X(3)          DIS
07 03  "Type of document"
              07 20  W1RFOD      X(25)         DIS
              10 03  W1NUL       X(0)          NUL
10 13  "   close"                              BTN U11
ENDWINDOW

PROCEDURE DIVISION
ENTRY USING TT L-FAIL
       MOVE TTTYOD TO W1TYOD
       MOVE TTRFOD TO W1RFOD
       MOVE TTCUSU TO W1CUSU

       DISPLAY WINDOW W1
       ENTER WINDOW W1
       IGNORE EXCEPTION
EXIT

ENDFRAME
ENDSOURCE
```

Software Changes Required for Drill down from General Ledger

The only difference when drilling down from GL to a Reseller package is that instead of being called with the TT record, the Reseller drill down is invoked with the GK record instead.

Both records are 256 bytes in length, so you could use the same drill down program and simply check the first two bytes of the record area to be either "TT" or "GK".
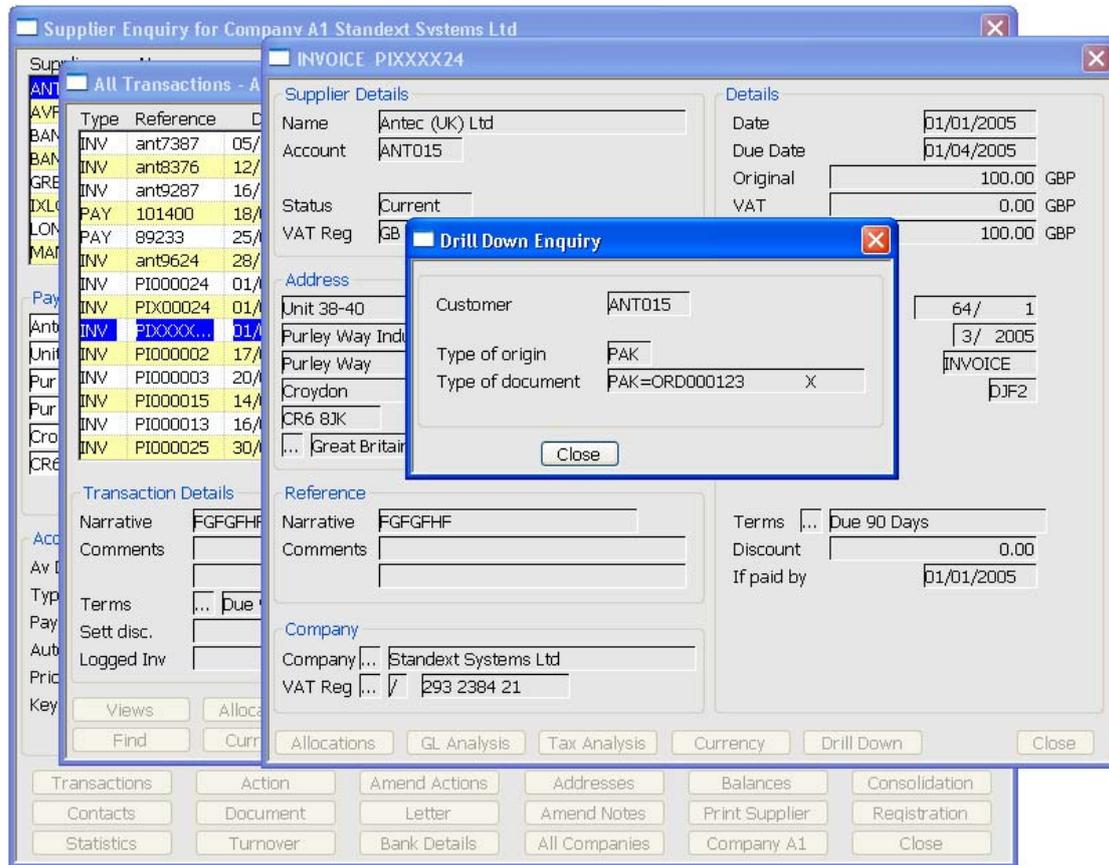
Revised interface file record Layout

```
.BOOK TT
*************************************************************************
*                                                                       *
* AUTO-ENTRY FILE - TRANSACTIONS                                        *
*                                                                       *
*************************************************************************
03 &&RCID       PIC X(2)                 * RECORD ID
   VALUE "TT"                            * ALWAYS = "TT"
03 &&CUSU       PIC X(7)                 * SUPPLIER/CUSTOMER CODE
03 &&TTYP       PIC X                    * TRANSACTION TYPE
03 &&CREF                                * TRANSACTION REFERENCE
   05 &&DREF    PIC X(6)                 * 6 FOR DEBTORS
   05 FILLER    PIC X(2)                 * 8 FOR CREDITORS
03 &&DATE       PIC 9(6) COMP            * TRANSACTION DATE
03 &&NARR       PIC X(25)                * NARRATIVE
03 &&COM1       PIC X(30)                * COMMENT LINE 1
03 &&COM2       PIC X(30)                * COMMENT LINE 2
03 &&PROJ       PIC X(10)                * PROJECT CODE
03 &&VALUE                               * Iff TCVERS = 4.3
  04 &&NETA     PIC S9(12,2) COMP        * TRADING NET AMOUNT
  04 &&PLSA     PIC S9(12,2) COMP        * TRADING TAX AMOUNT IF TTYP NOT ="P"
                                         * SETTLEMENT DISCOUNT IF TTYP = "P"
  04 &&EXRT     PIC 9(4,4)  COMP         * HOUSE EXCHGE RTE IF FX BATCH PRE 4.5.
  04 &&HLDN     PIC 9       COMP         * 1 IF HELD (CREDITORS ONLY)
  04 &&DUED     PIC 9(6)    COMP         * DUE DATE
  04 &&CURR     PIC X(3)                 * (((TRANSACTION CURRENCY)))
                                         * (ONLY USED FOR PM400 SORT OR BY
                                         * (DL OR CL IF VERSION = 4.5 OR >).
  04 &&TMCD     PIC X(2)                 * SETTLEMENT TERMS ON INVOICE/CREDIT
  04 &&SDIN     PIC S9(12,2) COMP        * SETTLEMENT AMOUNT ON INV./CREDIT
                                         * IN TRADING CURRENCY
  04 &&TREG     PIC X(15)                * TAX REGISTRATION NUMBER
  04 &&CTRY     PIC X(2)                 * COUNTRY-ID FOR TAX PURPOSES
  04 &&DISD     PIC D                    * DISCOUNT DATE
  04 &&SENS     PIC X                    * CURRENCY SENSE BL2951
  04 &&ORNO     PIC X(8)                 * Order no, used to share PROJ
                                         * If > 1, lowest used
  04 &&EXBA     PIC 9(6,6) COMP          * BASE EXCHANGE RATE, 0 = STANDARD RATE
  04 &&EXCB     PIC 9(6,6) COMP          * CASH BOOK EXCHNGE RATE 0=STANDARD RTE
  *
  * Following field added post 4.5. Used up 6 bytes of the filler. When a
  * foreign currency transaction is transfered and the currencys involved
  * do not have a fixed exchange rate (i.e. NOT sub-currency=>sub-currency)
  * then the base net value may be passed in this field rather than DL120
  * and CL120 recalculating it based on the transaction date. This field
  * must be left zero if the currencies involved have fixed exchange rate.
  *
  04 &&NETB     PIC S9(12,2) COMP        * BASE NET AMOUNT
  *
  * New fields added for Drill down to feeder modules, eg SOP, POP etc
  *
  04 &&TYOD     PIC X(3)                 * Type of origin
  04 &&RFOD     PIC X(25)                * Reference of origin (doc ref)
03 FILLER       PIC X(34)                * UNUSED, SET TO LOW-VALUES
   VALUE LOW-VALUES                      * TOTAL REC. LEN. = 256b
.END
```