



Global 3000 Service Pack Note

Transaction Intercepts with DL, CL and CM.

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| Author | DCP | | |
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INTRODUCTION

This service pack provides a set of transaction processing and enquiry intercept routines in Debtors Ledger, Creditors Ledger and Cash Manager which can be used by resellers to add their own processing.

DOCUMENTATION CHANGES

This service pack introduces a set of transaction intercepts for reseller use.

The intercept points allow resellers to include additional processing **after** a transaction line (in DL, CL and CM) has been processed and **before** a transaction line or batch is deleted.

CL Auto-payments has been updated to provide an intercept point after each payment transaction is generated (whilst posting a payment run).

Transaction enquiries (in DL, CL and CM) have also been updated to provide resellers with intercept points which allow an additional button (which the reseller must provide a label for) to be included, enabled/disabled and processed on the main transaction enquiry windows.

All intercepts call a new DLM routine which can be tailored by the resellers (as per the deletion intercept routines in DLM S.CO009). The new intercept routine, named TR%INT-INTERCEPT resides in DLM CO031 is always called with the following control block which resides copy book uj in copy library S.XXC (source files S.CO031 and S.XXC are available on request).

```
01 &&BLOCK
    03 &&SRCE      PIC X(2)      * Calling Source module DL/CL/CM
    03 &&MODE      PIC X          * Call Mode
                                   *      B = Before batch delete
                                   *      C = After batch delete
                                   *      D = Before transaction line delete
                                   *      F = After CL Auto-payment run posted.
                                   *      U = Transaction purge.
                                   *      R = Transaction line process
                                   *      A = Add button to enquiries.
                                   *      E = Enable/Disable button in enquiries.
                                   *      P = Process button in enquiries.
    03 &&WMDE      PIC 9(2) C      * Window $MODE (Only if Call Mode = R)
    03 &&BTNO      PIC 9(6) C      * Batch Number
    03 &&ITEM      PIC 9(4) C      * Item Number (0 if Call Mode = B, C or F)
    03 &&BLAB      PIC X(12)      * Returned button label (Only if Call Mode = A).
```

The calling source module (&&SRCE) identifies the calling system and is set to one of the following

- DL - Debtors Ledger,

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- CL - Creditors Ledger,
- CM - Cash Manager.

Note: The calling frame can be determined by interrogating system variable \$\$PGM.

The calling mode (&&MODE) indicates the type of intercept and has the following settings:

- B – This indicates that TR%INT-INTERCEPT has been called immediately before a batch is deleted within transaction entry.
- C – This indicates that TR%INT-INTERCEPT has been called immediately after a batch has been deleted within transaction entry.
- D – This indicates that TR%INT-INTERCEPT has been called immediately before a transaction line is deleted.
- F – This indicates that TR%INT-INTERCEPT has been called immediately after a Creditors Ledger auto-payment run has been successfully posted.
- R - This indicates that TR%INT-INTERCEPT has been called immediately after a transaction line has been processed within transaction entry (i.e. from the R-PROCESS routine after a transaction line has been added, inserted, amended or deleted), in this case the window mode (&&WMDE) can be used to determine which process has taken place.
- U – This indicates that TR%INT-INTERCEPT has been called immediately after a transaction line has been deleted during transaction purge processing.
- A - This indicates that TR%INT-INTERCEPT has been called from the R-START routine of a transaction enquiry window. It is used to indicate whether an additional button is to be added to the window.
- E - This indicates that TR%INT-INTERCEPT has been called from either the R-START or R-FETCH routine of a transaction enquiry window. It is only called if a button has been added to the window by a preceding call with the call mode = A. It is used to ENABLE or DISABLE the button.
- P - This indicates that TR%INT-INTERCEPT has been called from the R-FUNC routine of a transaction enquiry window. It is only called if a button has been added to the window by a preceding call with the call mode = A. It is used to add processing when the added button is pressed by the user.

Note: Debtors Ledger and Creditors Ledger do not physically delete a transaction record unless it is the last transaction line in a batch, instead the transaction line has its values set to zero and is rewritten with its status (RTSTAT) set to "X". This should be taken into account when coding an intercept routine for call mode = "R".

DLM routine TR%INT-INTERCEPT needs to return an exception in the following cases:

- If the call mode = B and the batch is NOT to be deleted.
- If the call mode = D and the transaction is NOT to be deleted.
- If the call mode = A and a button is NOT to be added to the transaction enquiry windows

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(equally the button label (&&BLAB) can be left blank to indicate that it is not required).

- If the call mode = E and the button in enquiries is to be DISABLED, if the DLM is called in this mode and no exception is returned the button is ENABLED.

Exceptions returned by any other call mode will be ignored.

Note: DLM routine TR%INT-INTERCEPT is NOT called for Debtors Ledger and Creditors Ledger allocations batches.

The following table lists the intercept points added to the system by this service pack.

| Module | Function | Frame/Window | Routine | Call Mode |
|--------|-------------------------------|--------------|-----------|-----------|
| DL | Batch Deletion | DL110A_W1 | R-DELETE | B |
| DL | Batch Deletion | DM110A | N/A | C |
| DL | Transaction Entry/Maintenance | DL110F_W2 | R-PROCESS | R |
| DL | Transaction Entry/Maintenance | DL110F_W2 | R-DELETE | D |
| DL | Transaction Entry/Maintenance | DL110R_W2 | R-PROCESS | R |
| DL | Transaction Entry/Maintenance | DL110R_W2 | R-DELETE | D |
| DL | Transaction Entry/Maintenance | DL110S_W2 | R-PROCESS | R |
| DL | Transaction Entry/Maintenance | DL110S_W2 | R-DELETE | D |
| DL | Close Period (Purge) | DL270 | N/A | U |
| DL | Transaction Purge | DL280 | N/A | U |
| DL | Transaction Enquiries | DL420T_WT | R-START | A |
| DL | Transaction Enquiries | DL420T_F1 | R-START | A |
| DL | Transaction Enquiries | DL420T_F2 | R-START | A |
| DL | Transaction Enquiries | DL420T_F3 | R-START | A |
| DL | Transaction Enquiries | DL420T_F4 | R-START | A |
| DL | Transaction Enquiries | DL420T_F5 | R-START | A |
| DL | Transaction Enquiries | DL420T_WT | R-START | E |
| DL | Transaction Enquiries | DL420T_F1 | R-START | E |
| DL | Transaction Enquiries | DL420T_F2 | R-START | E |
| DL | Transaction Enquiries | DL420T_F3 | R-START | E |
| DL | Transaction Enquiries | DL420T_F4 | R-START | E |
| DL | Transaction Enquiries | DL420T_F5 | R-START | E |
| DL | Transaction Enquiries | DL420T_WT | R-FETCH | E |

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| DL | Transaction Enquiries | DL420T_F1 | R-FETCH | E |
|--------|-------------------------------|--------------|--------------------------------|-----------|
| DL | Transaction Enquiries | DL420T_F2 | R-FETCH | E |
| DL | Transaction Enquiries | DL420T_F3 | R-FETCH | E |
| DL | Transaction Enquiries | DL420T_F4 | R-FETCH | E |
| DL | Transaction Enquiries | DL420T_F5 | R-FETCH | E |
| DL | Transaction Enquiries | DL420T_WT | R-FUNC | P |
| DL | Transaction Enquiries | DL420T_F1 | R-FUNC | P |
| DL | Transaction Enquiries | DL420T_F2 | R-FUNC | P |
| DL | Transaction Enquiries | DL420T_F3 | R-FUNC | P |
| DL | Transaction Enquiries | DL420T_F4 | R-FUNC | P |
| DL | Transaction Enquiries | DL420T_F5 | R-FUNC | P |
| Module | Function | Frame/Window | Routine | Call Mode |
| CL | Batch Deletion | CL110A_W1 | R-DELETE | B |
| CL | Batch Deletion | CL110A | N/A | C |
| CL | Transaction Entry/Maintenance | CL110F_W2 | R-PROCESS | R |
| CL | Transaction Entry/Maintenance | CL110F_W2 | R-DELETE | D |
| CL | Transaction Entry/Maintenance | CL110S_W2 | R-PROCESS | R |
| CL | Transaction Entry/Maintenance | CL110S_W2 | R-DELETE | D |
| CL | Auto-payment (post run) | CL140Z | After payment run posted | F |
| CL | Close Period (Purge) | CL270 | N/A | U |
| CL | Transaction Purge | CL280 | N/A | U |
| CL | Transaction Enquiries | CL420T_WT | R-START | A |
| CL | Transaction Enquiries | CL420T_F1 | R-START | A |
| CL | Transaction Enquiries | CL420T_F2 | R-START | A |
| CL | Transaction Enquiries | CL420T_F3 | R-START | A |
| CL | Transaction Enquiries | CL420T_F4 | R-START | A |
| CL | Transaction Enquiries | CL420T_F5 | R-START | A |
| CL | Transaction Enquiries | CL420T_WT | R-START | E |

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| CL | Transaction Enquiries | CL420T_F1 | R-START | E |
|--------|-------------------------------|--------------|-----------|-----------|
| CL | Transaction Enquiries | CL420T_F2 | R-START | E |
| CL | Transaction Enquiries | CL420T_F3 | R-START | E |
| CL | Transaction Enquiries | CL420T_F4 | R-START | E |
| CL | Transaction Enquiries | CL420T_F5 | R-START | E |
| CL | Transaction Enquiries | CL420T_WT | R-FETCH | E |
| CL | Transaction Enquiries | CL420T_F1 | R-FETCH | E |
| CL | Transaction Enquiries | CL420T_F2 | R-FETCH | E |
| CL | Transaction Enquiries | CL420T_F3 | R-FETCH | E |
| CL | Transaction Enquiries | CL420T_F4 | R-FETCH | E |
| CL | Transaction Enquiries | CL420T_F5 | R-FETCH | E |
| CL | Transaction Enquiries | CL420T_WT | R-FUNC | P |
| CL | Transaction Enquiries | CL420T_F1 | R-FUNC | P |
| CL | Transaction Enquiries | CL420T_F2 | R-FUNC | P |
| CL | Transaction Enquiries | CL420T_F3 | R-FUNC | P |
| CL | Transaction Enquiries | CL420T_F4 | R-FUNC | P |
| CL | Transaction Enquiries | CL420T_F5 | R-FUNC | P |
| Module | Function | Frame/Window | Routine | Call Mode |
| CM | Batch Deletion | CM110A | N/A | B |
| CM | Batch Deletion | CM110A | N/A | C |
| CM | Transaction Entry/Maintenance | CM110D_W2 | R-PROCESS | R |
| CM | Transaction Entry/Maintenance | CM110D_W2 | R-DELETE | D |
| CM | Transaction Purge | CM260 | N/A | U |
| CM | Cash Book Enquiries | CM310_W3 | R-START | A |
| CM | Cash Book Enquiries | CM310_W3 | R-START | E |
| CM | Cash Book Enquiries | CM310_W3 | R-FETCH | E |
| CM | Cash Book Enquiries | CM310_W3 | R-FUNC | P |
| CM | Cash Book Enquiries | CM310_WY | R-START | A |
| CM | Cash Book Enquiries | CM310_WY | R-START | E |
| CM | Cash Book Enquiries | CM310_WY | R-FETCH | E |

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| CM | Cash Book Enquiries | CM310_WY | R-FUNC | P |
| CM | Batch Enquiries | CM320_W2 | R-START | A |
| CM | Batch Enquiries | CM320_W2 | R-START | E |
| CM | Batch Enquiries | CM320_W2 | R-FETCH | E |
| CM | Batch Enquiries | CM320_W2 | R-FUNC | P |

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