

The TurboCASH Developers Guide

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Draft

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The TurboCASH Database

This is kept in the Paradox file format and controlled by the BDE (Borland Database Engine).

The BDE/Paradox solution is not a true SQL database, but can be accessed by a number of ways including SQL LINKS, that makes queries possible. Many external tools are available to access this data and this makes TurboCASH a very open system.

The BDE has been disparagingly called "A file management system". And in many ways this is true. It is not a Server based product and while the set up is easy to achieve and configure, we have not found TurboCASH easily usable by more than 8 users.

Key to using TurboCASH successfully on networks is to ensure that you have high quality hardware.

However we have found the BDE to be lightning fast for small datasets and really stable in the single user environment.

Global Files

Certain files are global to each instance of TurboCASH. They are kept in the program root directory (Usually [c:\TCASH3](#))

books.db
eng.db
language.db
reg.db

They are used to configure TurboCASH at Start up and to point to directories.

Books.db		The BDE is configured to point to Aliases. By default hen looking for Alias TurboCASH will look first in the sub directories of the program file and then will add The names in books.db to it list of availabel aliases. So iff a data base is reigstedred soemwhere else on your PC, or on siome other mapped drive, it must be created in this file.
SBookName	String [16]	
WBookID	Integer	Created by taking Last and adding one at Time of Post to database
SBookPath	String [256]	

Language.db		One file per set of labels, this controls the list of available languages. Languages can be used for actual translation or merely reconfigure terminology. Each language must have a file name designated by SLanguageFile and if there is any *.chm help file in the TCASH3 directory that has the corresponding first 3 letters to SLanguageName it will be used as the Help file. Clashed are possible.
WLanguageID	Integer	
SLanguageName	String [10]	
SLangaugeFile	String [30]	

List of Tables

TurboCASH T3 Version 3.11 Jan 2002

Database Structure - List of Files

Abrevious.db
BackOrd.db
Bank.db
BatContr.db
BatTypes.db
Bat##??.db
Contact.db
Creditor.db
Currency.db
Debtor.db
DocHead.db
DocLine.db
Global.db
Groups.db
LabSpecs.db
Message.db
OILinks.db
Printers.db
Recon.db
ReptDocs.db
ReportOp.db
RepCells.db
RepHead.db
RepCols.db
RepLine.db
ReptBat.db
ReptDocs.db
Stock.db
StockPub.db
StockTrn.db
StockTrn.db
Sysvars.db
Tax.db
Totals.db
TmpAgeAn.db
Transact.db
Type.db
Unit.db
User.db

Tables : Detailed Description

Abrevious.db		This is used in the Batch Entry screen. A Single character is assigned to a string If a single character is entered in the description field, it is replaced by SAbrevious when the enter key is pressed.
CKey	Char	
SAbrevious	String [30]	
Account.db		Contains info common to all accounts Would be used for lookup boxes
INDEX	SMainAccountCode/SSubAccountCode	
INDEX	SDescription	
WAccountID	Integer	PRIMARY KEY Created by taking Last and adding one at Time of Post to database, First record is 1
SMainAccountCode	String [3]	1st digit must be 0-9
SSubAccountCode	String[3]	SubAccount can contain 0-9 and a-z defaults to 000 when there is no
Sub account		Only GL accounts may contain Sub
Accounts		
WAccountTypeID	Integer	LOOKUP to Type.db
SDescription	String [35]	Account Description - 1st digit must be a-z
WReportingGroup1ID	Integer	LOOKUP to Groups.db
WReportingGroup2ID	Integer	LOOKUP to Groups.db
BSubAccounts	Boolean	TRUE if contains subaccounts
BIncomeExpense	Boolean	True if Income Statement Account
SAccountCode	String [6]	Concat of SMainAccountCode and
SSubAccount		and SSubAccount
BackOrd.db		Backorders are generated in Invoice
Entry		when QTY Ordered exceeds Qty Shipped
WBackOrderID	Integer	PRIMARY KEY Created by taking Last and adding
one at		Time of Post to database
WAccountID	Integer	LOOKUP to Account.db for debtor name
WStockID	Integer	LOOKUP to Stock.db for stock item
FQty	Real	

FSellingPrice
Stock, db

Real

Current selling price default from
or overwritten by the user

BSelected

Boolean

Bank.db		Bank Accounts
WAccountID	Integer	LOOKUP to Account.db
WContactID	Integer	LOOKUP to Contact.db
WReceiptsID	Integer	LOOKUP to BatTypes.db
WPayments ID	Integer	LOOKUP to BatTypes.db
WCurrencyID	Integer	LOOKUP to Currency.db, not yet used
BatContr.db		Created when batch is created. May never be used (if deleted before posting)
WBatchID	Integer	PRIMARY KEY Created by taking Last and adding one at
WUserID	Integer	Time of Post to database LOOKUP to Users.db
WBatchTypeID	Integer	LOOKUP to BatTypes.db
SBatchNumber sequence	String [8]	Generated per user, user can reset
BPosted	Boolean	User decides how many leading alphas TRUE if Posted
BImported system	Boolean	TRUE if imported from an external system
BDocumentSource	Boolean	TRUE if originated from a document
BatTypes.db		Contains Parameters for each batch type
WBatchTypeID	Integer	PRIMARY KEY Created by taking Last and adding one at Time of Post to database
SDescription	String [16]	
BCashbook	Boolean	TRUE if part of a CashBook
WContraAccountID	Integer	LOOKUP to Account.db
BContraPerLine	Boolean	
BIncrementRefNo	Boolean	
BRepeatDetails	Boolean	
BConsolidateBalancing	Boolean	
WDebitCredit		
WPaymentGroupID		
WDefaultTaxID		
BViewExclusive		
BLinkOI	Integer	LOOKUP to Account.db
BInclusiveMode	Integer	0-Both, 1Debit , 2Credit

Bat##??.db

-##-userID; ??BatchType

te

Each Batch type has a separate file

batches.

open while there are unposted

File is deleted on posting.

SReference	String [15]
DDate	Date
DAllocatedDate	Date
SDescription	String [35]
SAccount	Integer
STax	String [7]
WContraID	Real
SContraAccount	String [7]
FDebit	Real
FCredit	Real
FAmount	Real
FTaxAmount	Real
BReconciled	Boolean
BExclusive	Boolean
WAccountID	Integer

LOOKUP to Tax.db
 LOOKUP to Account.db
 LOOKUP to Account.db
 DEBIT + ; CREDIT -

Contact.db

Contact names

Contact

Uses ID to allow expansion to

WContactID	Integer
SContact Name	String [50]
SFax	String [20]
SEmail	String [50]
STelephone1	String [50]
STelephone2	String [50]

Management
 Links to the Address link table
 Contact Description (Name)
 Contact Description (Name)

Creditor.db		Contains extra Creditor Info
WAccountID	Integer	LOOKUP to Account.db
WContactID		
SPassword		
SPostal1	String [30]	
SPostal2	String [30]	
SPostal3	String [30]	
SPostalCode	String [8]	
STelephone1	String [20]	
STelephone2	String [20]	
SFax	String [20]	
SEmail	String [50]	
SBankName	String [20]	
SBranchCode	String [10]	
SBankAccountNumber	String [20]	
SBankAccountName	String [30]	
FCreditLimit	Real	
FChargeAmount	Real	
SCode	String [6]	1st Digit must be 0-9
BOpenItem	Boolean	
BPostBBF	Boolean	
DLastActivity	DATE	
WCurrencyID	Integer	LOOKUP to Currency.db noyt used
WForexAccountID	Integer	LOOKUP to Account.db not used
SMessage	String [50]	
SReference	String [15]	
FDiscount	Real	
WDefaultPricetypeID	Integer	
Currency.db version		USED but not displayed in first not used
WCurrencyID	Integer	PRIMARY KEY Created by taking Last and adding one at
SDescription	String [30]	Time of Post to database Home currency is set to 1
WSymbol	Integer	Ascii Value of Symbol
FRate	Real	Conversion to Home Currency
WVarianceAccountID	Integer	LOOKUP to Account.db
WNoofDecimals	Integer	Usually 2

Debtor.db		Contains extra debtos info
WAccountID	Integer	LOOKUP to Account.db
SCode		
WContactID	Integer	LOOKUP to Contact.db
SPassword	String [8]	
SPostal1	String [30]	
SPostal2	String [30]	
SPostal3	String [30]	
SPostalCode	String [8]	
SDelivery1	String [30]	
SDelivery2	String [30]	
SDelivery3	String [30]	
SDeliveryCode	String [8]	
STelephone1	String [20]	
STelephone2	String [20]	
SFax	String [20]	
SEmail	String [50]	
SBankName	String [20]	
SBranchCode	String [10]	
SBankAccountNumber	String [20]	
SBankAccountName	String [30]	
SCreditCardNumber	String [20]	
DEpiryDate	Date	
SCreditCardType	String [20]	
SCreditCardHolder	String [30]	
FCreditLimit	Real	
FChargeAmount	Real	
FDiscount	Real	
FInterest	Real	
WBankID	Integer	LOOKUP to Account.db
WSalesmanID	Integer	LOOKUP to Groups.db
BOpenItem	Boolean	
BPostBBF	Boolean	
BDisabled	Boolean	
SMessage	String [50]	True if Disabled
WDefaultPriceTypeID	Integer	1,2 or3
DLastActivity	DATE	
WCurrencyID	Integer	LOOKUP to Currency.db
WForexAccountID	Integer	LOOKUP to Account.db
SReference	String[15]	

DocHead.db		Contains Invoice Header Details
WDocID	Integer	PRIMARY KEY Created by taking Last and adding Time of Post to database, First
one at record is 1		
SDocNo	String [15]	
WTypeID	Integer	LOOKUP to Type.db
DDate	Date	
DAllocatedDate	Date	Lastt Date of Allocated Period
WAccountID	Integer	LOOKUP to Account.db (Debtors ONLY)
WPaymentTypeID	Integer	Unused
WPostal1ID	Integer	
WPostal2ID	Integer	
WPostal3ID	Integer	
WPostalCodeID	Integer	
WMessage1ID	Integer	
WMessage2ID	Integer	
WMessage3ID	Integer	
FInvoiceDiscount	Real	
WSalesmanID	Integer	LOOKUP to Groups.db DEFAULT -"0"
None		
SReference	String [15]	
WDelAddress1ID	String[20]	
WDelAddress2ID	String[20]	
WDelAddress3ID	String[20]	
BPrinted	Boolean	True if Printed
BPosted	Boolean	True if Posted
WReportingGroup1ID	Integer	
WReportingGroup2ID	Integer	
WPaymentGroupID	Integer	Unused?
BExclusive	Boolean	
WCurrencyID	Integer	LOOKUP to Currency.db not used
FDocAmount	Integer	
FTaxAmount	Integer	
BRepeatingDoc	Boolean	
WCurrencyID	Integer	

DocLine.db comments etc		Contains detail line - Stock,
WDocLineID	Integer	
WDocID	Integer	LOOKUP to DocHead.db
WStockID	Integer	LOOKUP to Type.db
WLineTypeID	Integer	
WDescriptionID	Integer	LOOKUP to Stock.db
FQtyOrdered	Real	
FQtyShipped	Real	
FSellingPrice	Real	
FItemDiscount	Real	
WTaxID	Integer	LOOKUP to Tax.db
FExclusiveAmt	Real	
FInclusiveAmt	Real	
FTaxAmount	Real	
Global.db		Internal Control of Record IDs
WNewAccountID	Integer	PRIMARY KEY
WNewBackorderID	Integer	LOOKUP to Type.db
WNewContactID	Integer	Group description
WNewBatchTypeID	Integer	LOOKUP to Type.db
WNewBatchTypeID	Integer	Group description
WNewBatchID	Integer	LOOKUP to Type.db
WNewGroupID	Integer	Group description
WNewCurrencyID	Integer	LOOKUP to Type.db
WNewDocID	Integer	Group description
WNewLabSpecID	Integer	Group description
WNewReportID	Integer	
WNewTransactionID	Integer	
WNewStockID	Integer	
WNewUnitID	Integer	
WNewUserID	Integer	
WNewMessageID	Integer	
WNewStockTransID	Integer	
Groups.db Documents		Hold groups fro Accounts, Stock and
WGroupID	Integer	PRIMARY KEY Created by taking Last and adding one at
WGroupTypeID	Integer	Time of Post to database LOOKUP to Type.db
SDescription	String [30]	Group description
WParentGroup2ID	Integer	
WParentGroupID	Integer	

OpReport.db		This is how all variables should have been Saved. Only introduced this after we had used RepOp.db
WOptionID	Integer	PRIMARY KEY
StrOption	String [25]	LOOKUP to Type.db
SOptionValue	String [35]	Group description
WOptionTypeID	Integer	LOOKUP to Type.db
Periods.db		Contains period balances and budgets
WPeriodID	Integer	last year are 1 - 13; this year 14 -26 I less than 13 periods use 1- x and 14 - (13+x) This is not reat design and it limits us to 2 years unessesarily
DStartDate	Date	
DEndDate	Date	
SDescription	String [12]	
BShutdown	Boolean	True if Open
BContainsTransactions	Boolean	True if Contains Transactions
Printers.db		For DOS Printers - Not used
Recon.db		
SReference	String[8]	
DDate	Date	
DAllocatedDate	Date	
SDescription	String [35]	
SAccount	String [7]	
STax	String [7]	
SContraAccount	String [7]	
FDebit	Real	
FCredit	Real	
FAmount	Real	
FTaxAmount	Real	
BReconciled	Boolean	
BExclusive	Boolean	
WAccountID	Integer	

ReptDocs.db		The lists of repeating invoices
WDocID	Integer	
WGroupID	Integer	
ReportOp.db		Keeps the previously used Reporting
Ranges		
WCreditorsFrom	Integer	
WCreditorsTo	Integer	
WDebtorsFrom	Integer	
WDebtorsTo	Integer	
DCurrentDate	Date	Date that I am running the Ageing
DDateLimit	Array [4] of Date	
SRangeName	Array [4..15] of String	
FMinimumAmount	Real	
BAccountDetail	Boolean	
WSort	Integer	0-Code, 1-Name, 2-Reporting Group
BShowTransactions	Boolean	
BUseOpenItem	Boolean	
BIgnoreZeroBalances	Boolean	
WAccountNoStartID	Integer	
WAccountDescStartID	Integer	
WAccountNoEndID	Integer	
WAccountDescEndID	Integer	
WBatchTypeID	Integer	
WInvoiceNoStartID	Integer	
WInvoiceNoEndID	Integer	
WCreditNoteStartID	Integer	
WCreditNoteEndID	Integer	
WPurchaseNoteStartID	Integer	
WPurchaseNoteEndID	Integer	
WGoodsReturnedStartID	Integer	
WGoodsReturnedEndID	Integer	
SLabelSpecFile	String [8]	
BNewPagePerItem	Boolean	
WOutputType	Integer	
WPeriodEnd	Integer	
BPeriodSeparate	Boolean	
WPeriodEnd	Integer	
WSalesmanID	Integer	
WSequence	Integer	
BShowAddress	Boolean	
BShowBalancing	Boolean	
BShowDetails	Boolean	
DStockDateStart	Date	
DStockDateEnd	Date	
WStockEndID	Integer	
WStockRepColumns	Integer	
WStockStartID	Integer	
WTax	Integer	
BSubAccs	Boolean	
BWhichYear	Boolean	

RepCells.db		Cell Formulas
WReportID	Integer	LOOKUP to RepHead.db
WColumnID	Integer	
WRowID	Integer	
SValue	String [20]	
RepHead.db		Header Information
WReportID	Integer	PRIMARY KEY
one at		Created by taking Last and adding Time of Post to database
SReportName	String [15]	
STitle1	String [31]	
STitle2	String [31]	
BMultipleColumns	Boolean	
BDisplayDecimal	Boolean	
BCompressPrint	Boolean	
WNoOfColumns	Integer	
RepCols.db		Parameters for columns
WReportID	Integer	LOOKUP to RepHead.db
WColumnID	Integer	
SHeading1	String [11]	
SHeading2	String [11]	
WColumnTypeID (This, last, budget, Var)	Integer	Links to Type Table
WPeriodStart	Integer	relative -12 to 0; 1 to 12 absolute
WPeriodEnd	Integer	
SFormula	String [30]	
RepLine.db		Row Info
WReportID	Integer	LOOKUP to RepHead.db
WRowID	Integer	
WRowTypeID	Integer	
WRowItemID	Integer	
SItemName	String[8]	
SRowDescription	String [35]	
BMainAccount	Boolean	
BSupressPrint	Boolean	
SDescription	String [35]	
SColumn1	String [30]	
SColumn2	String [30]	
SColumn3	String [30]	
SColumn4	String [30]	
SColumn5	String [30]	
SColumn6	String [30]	
SColumn7	String [30]	
SColumn8	String [30]	
SColumn9	String [30]	
SColumn10	String [30]	
SColumn11	String [30]	

ReptBat.db file		All repeating batches held in one file
WTransactionID	Integer	PRIMARY KEY Created by taking Last and adding one at
WUserID	Integer	Time of Post to database
WBatchTypeID	Integer	
SReference	String [8]	
DDate	Date	
SDescription	String [35]	
WTaxID	Integer	
WAccountID	Integer	
WContraID	Integer	
FAmount	Real	
ReptDocs.db		
WDocID	Integer	
WGroupID	Integer	
Stock.db		
		Stock header file
INDEX	SStockCode	
INDEX	SDescription	
WStockID	Integer	PRIMARY KEY Created by taking Last and adding one at
		Time of Post to database
SStockCode	String [15]	
SBarcodeNumber	String [25]	
SDescription		
WReportingGroup1ID	Integer	
WReportingGroup2ID	Integer	
WCostAccountID	Integer	LOOKUP to Account.db
WInputTaxID	Integer	LOOKUP to Account.db (Tax Only)
WOutputTaxID	Integer	LOOKUP to Account.db (Tax Only)
FOpeningAveCost	Real	
FQtyOnHand	Real	Posted Information
FOpeningQty	Real	Before starting to invoice
FInvQtyOnHand	Real	Includes data in unposted invoices
FReorderQty	Real	
WSalesAccountID	Integer	LOOKUP to Account.db
BApplyInvoiceDiscount	Boolean	DEFAULT is TRUE
WStockAccountID	Integer	LOOKUP to Account.db
FSellingPrice1	Real	
FSellingPrice2	Real	
FSellingPrice3	Real	
FUnitAveCost	Real	Calculated at posting of Purchase
Godss Returne		
FUnitCost	Real	Latest Cost
WUnitID	Integer	LOOKUP to Unit.db
StockPub.db		
unused		Info that gets published on the Web

WStockID
 WPriceID
 BLOBPicture

StockTrn.db

Summary of DocLine.db

INDEX WStockID
 INDEX WSalesmanID
 INDEX WAccountID

WStockTransactionID	Integer	
WStockID	Integer	LOOKUP to Stock.db
DDate	Date	
WSalesmanID	Integer	LOOKUP to Groups.db
WDocID	Integer	LOOKUP to DocHead.db
WDocTypeID	Integer	
FQty	Real	
FCostPrice	Real	
FSellingPrice	Real	
WAccountID	Integer	LOOKUP to Accounts.db

Sysvars.db

SCompanyName	String [35]
SCompanyRegNo	String [30]
WEmailAddress	Integer
WEmailServerID	Integer
wFaxServerID	Integer
BlobLogo	Blob
SAddress1	String [30]
SAddress2	String [30]
SAddress3	String [30]
SPostCode	String [8]
SPhoneNumber	String[30]
SFaxNumber	String [30]
WRetainedIncomeID	Integer
WDebtorsControlID	Integer
WCreditorsControlID	Integer
SBackupPath	String [256]
WCostOfSalesTypeID	Integer
WCreditNoteBatchTypeID	Integer
SCreditNoteMessage1	String [30]
SCreditNoteMessage2	String [30]
SCreditNoteMessage3	String [30]
WPurchasesBatchID	Integer
SPurchasesMessage1	String [30]
SPurchasesMessage2	String [30]
SPurchasesMessage3	String [30]
WGoodsReturnedBatchID	Integer
SGoodsReturnedMessage1	String [30]
SGoodsReturnedMessage2	String [30]
SGoodsReturnedMessage3	String [30]
WInvoicesBatchID	Integer
SInvoicesMessage1	String [30]
SInvoicesMessage2	String [30]
SInvoicesMessage3	String [30]
WDisplayAmount	Integer
BAccountsOpen	Boolean
BBatchTypes	Boolean
BGroups	Boolean
Reporting Group	
BNotClosed normally	Boolean
BPeriodChange	Boolean
BSalesmenExist	Boolean
BUnitsExist	Boolean
FLastYearPL	Real
WNoOfPeriods	Integer
WInvoicePaperID	Integer
WCreditNotePaperID	Integer
WPurchasePaperID	Integer
WGoodsReturnedPaperID	Integer
WQuotePaperID	Integer
WOrderPaperID	Integer
WStatementPaperID	Integer
WRemittancePaperID	Integer
FReconciledBankBalance	Real
WReconciledBankID	Integer
DReconciledLastDate	Date

System Variables

Links to InternetServers.db
Links to InternetServers.db
Links to InternetServers.db
Previously in account_struct
Links to BatchTypeID
0-+-; 1- D/C 2 - ()
True if Open
True is Batches Exix\st
True is there is at least one
True if the User exited the system
True is periods can be changed
LastYear Profit

SStatementMessage1	String [30]	
SStatementMessage2	String [30]	
SStatementMessage3	String [30]	
BCreateBalancedLink	Boolean	
WTaxDueAccountID	Integer	Used for Payments VAT may be out
BTaxInvoiceBased	Boolean	
BCreateCostOfSales	Boolean	
WCurrentUserID	Integer	
SInvoiceHeading	String [20]	TAXINVOICE" etc
SCreditNoteHeading	String [20]	
SPurchaseHeading	String [20]	
SGoodsReturnedHeading	String [20]	
SQuoteHeading	String [20]	
SQuoteMessage1	String [30]	
SQuoteMessage2	String [30]	
SQuoteMessage3	String [30]	
SOrderHeading	String [20]	
SOrderMessage1	String [30]	
SOrderMessage2	String [30]	
SOrderMessage3	String [30]	
BPostToLastYear	Boolean	
WBaseCurrencyID	Integer	Will be set to 1
BMultiCurrency	Boolean	True if Multi Currency
STaxRegNo	String [30]	
BPaymentsBased	Boolean	True if Payments Based
WDueAccountID	Integer	Links to Account Table
WLanguageID	Integer	
BOnline	Boolean	
BRemote	Boolean	
WColorID	Integer	Links to Type Table
SAccountReportName1	String[15]	Reporting Group 1
SAccountReportName2	String[15]	Reporting Group 2
SDebtorReportName1	String[15]	Reporting Group 1
SDebtorReportName2	String[15]	'Reporting Group 2
SCreditorReportName1	String[15]	Reporting Group 1
SCreditorReportName2	String[15]	'Reporting Group 2
SStockReportName1	String[15]	Reporting Group 1
SStockReportName2	String[15]	'Reporting Group 2
SDocumentReportName1	String[15]	Reporting Group 1
SDocumentReportName2	String[15]	'Reporting Group 2
SSellingPriceName1	String[15]	Selling Price 1
SSellingPriceName2	String[15]	Selling Price 2
SSellingPriceName3	String[15]	Selling Price 3
WVersion	Integer	
SReportFontName	String [35]	
BUseAveCost	Boolean	
BPrnStatementLogo	Boolean	
DTLastUseTime	Date	
BShowTips	Boolean	
WAutoSaveTime	Integer	
BShowReminder	Boolean	
BServicePreprinted	Boolean	
WDefaultOutputID	Integer	
WDefaultZoom	Integer	
BUseOutlookExp	Integer	

Tax.db		Tax Details
WAccountID	Integer	"No tax " has an account ID of "0"
SDescription	String [30]	
DStartDate	Date	
DEndDate	Date	
FRate	Real	
Totals.db		Account period totals and budgets
INDEX	WAccountID	
INDEX	WPeriodID	
WAccountID	Integer	LOOKUP to Account.db From Period1 to Period26 If there are less than 13 periods
filled from		1 to x (last year) and from 14 to
13+x (this y		
WPeriodID	Integer	
BActual	Boolean	TRUE is Actual False if Budget
FAmount	Real	
TmpAgeAn.db		
WAccountID	Integer	
WaccountTypeID	Integer	
SAccountCode	String [7]	
SDescription	String [35]	
FCurrent	Real	
F30Days	Real	
F60Days	Real	
F90Days	Real	
FBBF	Real	
FTotal	Real	

Transact.db

INDEX	BatchID	
INDEX	WAccountID	
WTransactionID	Integer	PRIMARY KEY Created by taking Last and adding one at
WBatchID	Integer	Time of Post to database LOOKUP to BqtContr.db
WBatchType ID	Integer	
WLineID	Integer	Tells you which line it was on
BCarriedForward	Boolean	
BLastYear	Boolean	
BLinksUsed	Boolean	
BMultipleItems	Boolean	
WAccountID	Integer	LOOKUP to Account.db
DDate	Date	
WPeriodID	Integer	LOOKUP to Period.db
SReference	String [8]	
FTaxRate	Real	
WTaxAccountID	Integer	LOOKUP to Account.db
FAmount	Real	
FTaxAmount	Real	
FOutStandingAmount	Real	
BReconciled	Boolean	True if reconciled
WBalancingAccountID	Integer	LOOKUP to Account.db
WDescriptionID	String [35]	Lookup to Comments DB
WCurrencyID	Integer	Lookup to Currency.db
FForexAmount	Real	
WUserID	Integer	
Unused	Integer	

```

Type.db                                NEW - use definitions below

WTypeID                                Integer
SDescription                            String [30]
WTypeParent                             Integer

0 General Ledger
1 Debtor
2 Creditor
3 Bank Account
4 Tax Account

10 Invoice
11 Credit Note
12 Purchase
13 Goods Returned
14 Quote
15 Order

20 Account Reporting Group1Name
21 AccountReporting Group 2 Name
22 Debtor Reporting Group1Name
23 DebtorReporting Group 2 Name
24 CreditorReporting Group1Name
25 CreditorReporting Group 2 Name
26 Stock Reporting Group 1Name
27 Stock Reporting Group 2 Name
28 Document Reporting Group1 Name
29 Document Reporting Group2 Name
30 Payment Type Name
31 Salesman

40 Classic
41 Brilliant
42 Pastel
43 Keywest
44 NewSA
45 Windows

50 Preprinted
51 Plain
52 Service
53 Forty
54 ABS1

Reporting Row Types
70 Account
71 Blank
71 Double Line
73 Group1
74 Group1 Detail
75 Group2
76 Group2 Detail
77 Single Line
78 Text

DocLine Types
90 Stock Item
91 Comment

```

- 92 Serial Number
- 93 Financial Entry

Type Parents

- 0 Account
- 1 Document
- 2 Reporting Group
- 4 Color
- 5 Paper
- 7 User Report Rows
- 9 Document Lines

Unit.db

Units of Stock

WUnitID Integer
 SDescription String [8]

User.db

User details

WUserID Integer

PRIMARY KEY
 Created by taking Last and adding

one at

Time of Post to database

SPassword String [8]
 SUserName String [20]
 SCreditNoteNextNumber String [8]
 SInvoiceNextNumber String [8]
 SPurchasesNextNumber String [8]
 SGoodsReturnedNextNumber String [8]
 SQuoteNextNumber String [8]
 SOrderNextNumber String [8]
 WNextBatchNumber String [8]
 BDisabled Boolean
 WAccessStatusID Integer
 BAccounts Boolean
 BStock Boolean
 BBatchEntry Boolean
 BCreditNotes Boolean
 BInvoices Boolean
 BPurchases Boolean
 BStockReturns Boolean
 BReconciliation Boolean
 BCreditorReports Boolean
 BDebtorReport Boolean
 BLedgerReports Boolean
 BStockReports Boolean
 BUserReports Boolean
 BPosting Boolean
 BGlobalProcesses Boolean
 BSystemSetup Boolean
 BOnline Boolean
 BRemote Boolean

True if Disabled
 ?? WHAT IS THIS

TXF file format

Txf is an XML file with Xml Head tag and a txf head enclosed.
The first line is the Xml declaration:

```
<?xml version="1.0" standalone="yes"?>
```

The Next line is the main xml tag and is the txf declaration:

```
<TCASH3 ID="77SP80" TXT="SYL">
```

This tag must be closed to make a correct xml file.
The body of txf en inside the Txf tag. The correct formed TXF file should be:

```
<?xml version="1.0" standalone="yes"?>
<TCASH3 ID="77SP80" TXT="SYL">
    ...
    body
    ...
</TCASH3>
```

The body contens 2 tags, the set of books name where the txf sould automaticaly load if received by the server and the content tag.

The full file format is then:

```
<?xml version="1.0" standalone="yes"?>
<TCASH3 ID="77SP80" TXT="SYL">
<bookname>BELLVILLE2</bookname>
    <txf>
        body
    </txf>
</TCASH3>
```

The Set of books must exist on the server to validate the TXF file.

All the date tags are in format DD/MM/YYYY and an empty tag can used if it's required.

2. Transferring an account with txf.

Each account should be contened in one tag <accinfo>...</accinfo> and all the account tags should be listed in <acclist>...</acclist>. The account information should look like

```
<acclist>
```

```

<accinfo>
  <code>G275030</code>
  <accid/>
  <description>- N/Bank Call Account</description>
  <incomeexpense>True</incomeexpense>
</accinfo>
<accinfo>
  <code>B841000</code>
  <accid>647</accid>
  <description>N/Bank-Call</description>
  <incomeexpense>False</incomeexpense>
</accinfo>
</acclist>

```

To validate the Account details it should always describe 4 fields include in accinfo:

1. code: the is 7 digits with the first telling the type of the account and can only be G,B,T,D or C (G for General Ledger, B for bank, T for Tax, D for Debtor Or Customer and C for Creditor or Supplier). Debtor and Creditor Account code Can be less than 7 Digits but the first digit is required.
2. accid: this an internal id from TurboCash and if txf is not generated by TurboCash it should be a blank tag.
3. Description: The description is a 32 digit string that describes the account.
4. Incomeexpense: This defines if the account is a balance sheet or an incomeexpense account type. It is a Boolean and carries the String value "True" or "False"

Example: Transferring one bank account and one general ledger account with txf:

```

<?xml version="1.0" standalone="yes"?>
<TCASH3 ID="77SP80" TXT="SYL">
  <acclist>
    <accinfo>
      <code>G275030</code>
      <accid>473</accid>
      <description>- N/Bank Call Account</description>
      <incomeexpense>True</incomeexpense>
    </accinfo>
    <accinfo>
      <code>B841000</code>
      <accid>647</accid>

```

```

    <description>N/Bank-Call</description>
    <incomeexpense>False</incomeexpense>
  </accinfo>
</acclist>
</TCASH3>

```

The transfer a full chart of account will be described later.

2. Transferring Transactions with Txf.

A transaction tag should look like:

```

<Batchtrans>
  <batchname>N/Bank - Rec Cal</batchname>
  <username>robby</username>
  <BatchLine>
    <date>01/12/2002</date>
    <reference>BS21</reference>
    <exclusive>True</exclusive>
    <account>G275030</account>
    <contraaccount>B841000</contraaccount>
    <taxaccount/>
    <amount>-2.46</amount>
    <taxamount>0</taxamount>
    <description>INTEREST RECEIVED -
NOVEMBER</description>
  </BatchLine>
  <BatchLine>
    <date>01/12/2002</date>
    <reference>*****</reference>
    <exclusive>True</exclusive>
    <account>B841000</account>
    <contraaccount>B841000</contraaccount>
    <taxaccount/>
    <amount>2.46</amount>
    <taxamount>0</taxamount>
    <description>BALANCING ENTRY N/BANK </description>
  </BatchLine>
</Batchtrans>

```

The transaction will be validated on `<batchname>` tag, `<username>` tag and transaction lines that should contain 9 tags:

1. date : The date of the transaction.
2. Reference : 8 digit string containing the reference of the transaction

3. exclusive : Boolean value (True or False) telling that the amount exclude Tax amount or include it.
4. Account : The Account code to use in the transaction.
This should always be included in the Acclist tag in the header of the txf.
5. Contraaccount : The account code of the contra line of this transaction.
This is used by TurboCash to auto-balance the trasaction.
6. Taxaccount : The Tax Account Code applied to the trasaction.
This should always be included in the Acclist tag in the header of the txf.
7. Amount : The transaction Amount. For credit amount preced the amount with minus sign.
8. Taxamount : The transaction Tax Amount. For credit amount preced the amount with minus sign.
9. Description : The memo of the transaction is a 32 string long.

4. Transferring Debtor,Creditor,Tax and Bank Account details.

To Account Details <acclist> tag should be used and each detail tag is added to <accinfo> tag.

A. Debtor Extra Tags:

Postal Address tags

SPostal1
SPostal2
Spostal3
SpostalCode

Delivery Address

SDelivery1
SDelivery2
SDelivery3
SdeliveryCode

Contact details

STelephone1
STelephone2
SEmail
Sfax
SContactName

Finacial Parameters for the debtor

FCreditLimit
FChargeAmount
FDiscount
Finterest

Agging type

BopenItem
Account Active
Bdisabled
Default Statement Message
Smessage
VAT Number reference
Sreference

B. Creditor Extra Tags.

See Debtors extra tags definitions.

SPostal1
SPostal2
SPostal3
SPostalCode
SDelivery1
SDelivery2
SDelivery3
STelephone1
STelephone2
SEmail
SFax
FCreditLimit
FChargeAmount
FDiscount
BOpenItem
SMessage
Sreference

B. Bank Extra Tags.

Sreceipt : Define the name of the Receipt Batch type attached to this account.
Spayment : Define the name of the payment Batch type attached to this account.

B. Bank Extra Tags.

DstartDate : Starting Date of the Vat Rate.
DendDate : Last Date of the Vat Rate.
Frate : Vat Rate Value.toga

5. Transferring a Document.

Under Construction

6. Transferring stock item.

Under Construction