



TEMENOS™



TEMENOS T24 Local Clearing

User Guide

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Table of Contents

Overview..... 3

Setup 4

 FT.LOCAL.CLEARING 4

 Clearing System Information 6

 Funds Transfer fields..... 6

 General processing rules 8

 Sort Codes 9

 Defining Local Transaction Codes 10

Additional set up requirements 12

 ACCOUNT..... 12

 FT.TXN.TYPE.CONDITION 12

Interfaces..... 13

 FT.TAPE.PARAMS 13

 Running Clearing - FT.TAPES..... 15

 Processes for Incoming tapes 15

 Processes for Outgoing tapes 15

 Tracking tape processing 16

 Generic Accounting Interface 16

 File Layout - AC.ENTRY.PARAM 17

 Error Management 19

 Accounting Options - AC.ENTRY.PARAM..... 20

 Entry Reporting - AC.INWARD.ENTRY 22

Deal/Transaction Processing 24

 Running the Interface 24

 Running GAI in Batch Mode..... 26

 AC.ENTRY.PARAM DATA.ITEM details..... 29



Overview

Local Clearing is a suite of applications in the *FUNDS.TRANSFER* module, which allow T24 to interface with local clearing requirements with minimal amendment.

These applications define:

- The characteristics of incoming and outgoing clearing tapes.
- The characteristics of clearing transactions.
- The characteristics of the T24 transactions which interface to clearing.

Generally, Local Clearing will be used to generate clearing tapes from T24 *FUNDS.TRANSFER* input, or conversely to convert incoming clearing data into T24 *FUNDS.TRANSFER* transactions.

Local Clearing can also interface clearing to Delivery - generating T24 payment messages from incoming clearing transactions, or diverting T24 delivery messages onto the outgoing clearing tape.

The local clearing suite of programs also provides a generic incoming accounting interface, which may be used for Local Clearing payments, or for posting entries from internal or other external accounting systems.

The applications specific to Local Clearing are:

<i>FT.LOCAL CLEARING</i>	Defines clearing system used, FT transaction types, accounts used for clearing, etc.
<i>FT.BC.PARAMETER</i>	Defines rules for each clearing system - validation, formatting, routines called
<i>BC.SORT.CODE</i>	Valid bank sort codes
<i>FT.LOCAL TXN.CODES</i>	Defines clearing transaction codes - whether each raises Funds Transfer transaction & is reported.
<i>FT.BC.TXN.CODE</i>	Defines how incoming transactions are processed
<i>FT.TAPE.PARAMS</i>	Details of tape - routines used to process it etc.
<i>FT.TAPES</i>	Job which processes tapes according to data in <i>FT.TAPE.PARAMS</i>
<i>AC.ENTRY.PARAM</i>	Contains details of Generic accounting interface

Local Clearing specific applications



Setup

FT.LOCAL.CLEARING

This is the top-level application in Local Clearing. A record of id *SYSTEM* must be present to allow local clearing transactions to be used in *FUNDS.TRANSFER*.

Information defined here includes:

- Which clearing system is being used for T24 payments.
- Which Funds Transfer transaction types are allowed for clearing, and their characteristics.
- Bank's own processing details for each branch - sort code, Nostro details etc.
- Customer no. for clearing - all Delivery messages for this customer will be diverted to Clearing.
- PTT (Post office clearing) processing details.
- Local reference information, where required by a specific clearing system.



Local Clearing

LOCAL CLEARING SYSTEM DETAILS - Windows Internet Explorer

FT.LOCAL.CLEARING SYSTEM (BNK Master)

Clearing System	*	LOC.CLRG	LOCAL CLEARING SYSTEM
Txn Type.1	+ - *	BC	Clearing
In Out Type.1	*	OUTWARD	
Debit Credit.1	*	BOTH	
Txn Type.2	+ - *	BI	Clearing incomg
In Out Type.2	*	INWARD	
Debit Credit.2	*	BOTH	
Bc Code.1	+		
Brnch Nostro Bi.1	* i	26937	MERRILLYNCHBANKANDTRUSTUSD
Brnch Nostro Bd.1	* i	26937	MERRILLYNCHBANKANDTRUSTUSD
Brnch Nostro Bc.1	* i	26937	MERRILLYNCHBANKANDTRUSTUSD
Acct Officer.1		90	GEORGE HOGAN
Local Cust No.1	+ i		
Ptt Sort Code.1	+		
Ptt Max Amount			
Ptt Acct No.1	+		
Ptt Nostro Bi.1	i		
Ptt Nostro Bd.1	i		
Ptt Nostro Bc.1	i		
Acct Off Ptt.1			
GB Rev Text	+ *	Payment Reversal	
Mem Acct Loc			
Pay Code Loc			
Authent Code			
Req Locref Name.1	+		
Req Locref App.1			

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System parameters for Local Clearing application



Clearing System Information

FT.BC.PARAMETER defines information about the data requirements of each clearing system.

Funds Transfer fields

Clearing requirements may differ from the validation rules already applied by the *FUNDS.TRANSFER* application. This application can be used to specify additional validation when clearing *FUNDS.TRANSFER* transactions are input.

Additional validation includes:

- Field lengths.
- No of multivalues.
- Validation against other files.



Field No.	Description	No Lines	Max Length	Min Length	Checkfile	Checkfield	Language	Comp Checkfile
19	SWISS INTERBANK CLEARING	4	35				<input type="checkbox"/>	XX.ORDERING.CUST
21	XX.ORDERING.BANK	4	35				<input type="checkbox"/>	XX.ORDERING.BANK
23	XX.ACCT.WITH.BANK	4	35				<input type="checkbox"/>	XX.ACCT.WITH.BANK
25	BEN.ACCT.NO							BEN.ACCT.NO

Additional clearing requirements



General processing rules

You can also specify more general rules:

- Local reference fields required.
- Whether foreign currency clearing is allowed.
- Sort code validation.

Each local clearing system may require special validation programs. These are specified in this application. This is also where you specify which T24 Delivery messages can be diverted to create Local Clearing payments.

The screenshot shows a web browser window titled "FT.BC.FIELD DEFINITIONS - windows internet Explorer". The browser address bar shows "FT.BC.PARAMETER SIC (BNK Master)". The main content area is a form with various fields and options. The fields are organized into a table-like structure with a left column for field names and a right column for values or descriptions.

Field Name	Value / Description
Comp Checkfile.10	
Application.1	FUNDS.TRANSFER
Loc Item Req.1.1	PAYMENT.CODE
Allow Fcy Debit	<input type="radio"/> No <input checked="" type="radio"/> Yes
Ft Validation Rtn	FT.SIC.CROSSVAL
Ft Delivery Rtn	FT.SIC.DELIVERY
Ft Accounting Rtn	
Sto Validation Rtn	FT.SIC.STO.CROSSVAL
Bulk Sto Valid Rtn	FT.SIC.BULK.CROSSVAL
Account Upd Rtn	
Customer Upd Rtn	
Check Sort Code	NO
Sort Code Len	006.1
Sort Code Type	<input checked="" type="radio"/> [None] <input type="radio"/> A <input type="radio"/> S
Sort Code Fmt	Z
Payment Ccy.1	
Reserved 4	
Reserved 3	
Reserved 2	
Reserved 1	
Diversion Rtn	DE.O.CHECK.SIC
Diverted Msg.1	100
Intermed Fd.1	INTERMED BANK CUS
Acct With Fd.1	ACCT WITH BANK CUS
Ben Cust Fd.1	BEN CUSTOMER
Charges Fd.1	CHARGE DETAILS

The status bar at the bottom of the browser window shows "200712.001 - 2.1/080100.01 | INPUTTER | BNK" and "Local intranet".

General Processing Rules



Sort Codes

All sort codes processed via Local Clearing will be checked against the records set up on [BC.SORT.CODE](#).

SIC Sort Code - Windows Internet Explorer

BC.SORT.CODE 100000131 (BNK Master)

Name * BANK OF NEW YORK, NEW YORK

Post Code NY20111-1001

Telephone No.1 212 764 9898

Sort Code 1.1

Exp Key

Value Date Prd

Chqs Coll Susp

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Sort Code Records

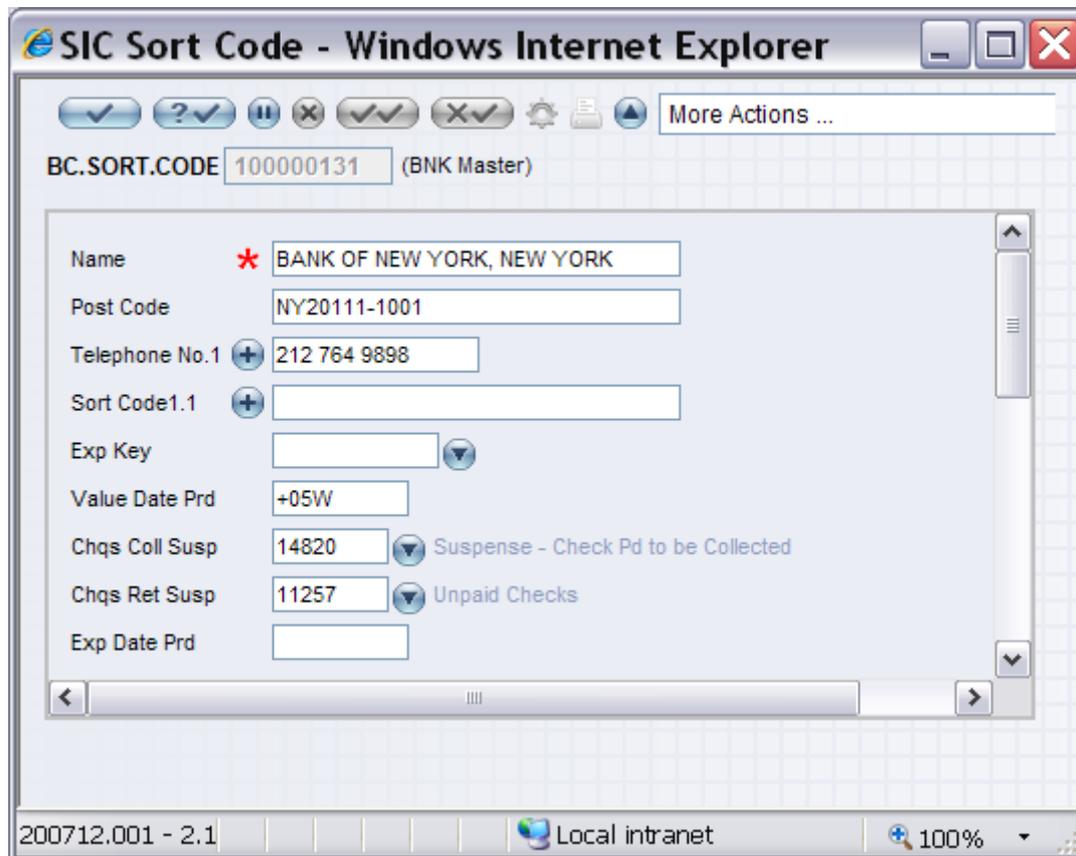
The length and type of the bank sort codes input here are checked against the input defined on the [FT.BC.PARAMETER](#) file.

Information concerning the bank using the sort code can be specified, as can a link to the [CUSTOMER](#) file.

It is possible to link a sort code to an exposure condition record defined on the [EXPOSURE.CONDITIONS](#) file using the [EXP.KEY](#) field. (Please refer to the Teller Systems Table and Application Accounting user guides for further information on the usage of exposure conditions). If a link is set-up in conjunction with the [TELLER](#) application, you are able to effect the withholding for a specified period of time a definable amount or percentage of cheques paid in to customers' accounts to allow for collection of the funds.

The amount of time that the funds are not available to the customer is normally dependent on where the cheques are drawn on. If these cheques were drawn on banks within the T24 users' country, the number of days that the funds are withheld would not normally exceed five days. However, it is not unusual for some cheques to be drawn on banks in other countries to require longer periods of time before collection of the proceeds are confirmed.

It is also possible to default the value date on the [TELLER](#), [FUNDS.TRANSFER](#) and [DATA.CAPTURE](#) applications by specifying the [VALUE.DATE.PRD](#) field and using the sort code on the application. This has been illustrated as under:



Default value date using the Value Date Prd field

If the sort code 123 is used on the *TELLER*, *FUNDS.TRANSFER* or *DATA.CAPTURE* application then the value date will be defaulted from the *VALUE.DATE.PRD* field to be the processing date + 5 working days.

Defining Local Transaction Codes

FT.LOCAL.TXN.CODES contains a list of transaction codes, which are valid for the local clearing system specified in *FT.LOCAL.CLEARING*. Incoming clearing transactions are checked against the transaction codes loaded here. The *FT.LOCAL.TXN.CODES* entry should correspond to the first two characters of the clearing record.

Transactions will only be generated in *FUNDS.TRANSFER*, or in the generic accounting interface if the *GENERATE.FT* flag is set in this application. Similarly, there is a flag to determine if the transaction will be reported.

When the generic accounting interface is used, the *TRANSACTION.CODE* specified will be used in T24 when the external transaction code is supplied.



FT.LOCAL.TXN.CODES 11 (BNK Master)

Description.1 * SETTLEMENT BY ORDER

Debit Credit Both * Both Credit Debit

Generate Ft * No Yes

Report Transaction * No Yes

Transaction Code

Reserved 5

Reserved 4

Reserved 3

Local Ref

Override.1

Record Status

Curr No

Inputter.1

Date Time.1

Authoriser

Co Code BNK Master

Dept Code

Auditor Code

Audit Date Time

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Define local transaction codes



Additional set up requirements

ACCOUNT

In the *ACCOUNT* application, at least one Nostro account must be opened through which all local currency payments will be made. Separate accounts can be created for the different transaction types, and for each branch of the bank if required.

FT.TXN.TYPE.CONDITION

This application is used to define all *FUNDS.TRANSFER* transactions, not just Local Clearing. A description of how it works is in the chapter *FUNDS.TRANSFER* in this User guide.

There are three *FUNDS.TRANSFER* transaction types which are used exclusively by Local Clearing:

- BC Outgoing Payments
- BI Incoming Payments
- BD Incoming Direct Debits

Clearing transactions will use the transaction codes and descriptions, date, charge and commission defaults set up in these records.

Variations of these transactions can be defined, for example BCAA, BCAS etc.



Local Clearing

GB Description	+	*	Clearing Incoming	
GB Short Descr	+	*	Clearing incomg	
Txn Code Cr	*		222	Inward SIC Payment
Txn Code Dr	*		222	Inward SIC Payment
Sto Txn Code Cr	*		214	Standing Order
Sto Txn Code Dr	*		214	Standing Order
Dr Charge Txn Code	*		232	Outward Clearing Charges
Dr Cheque Txn Code	*		201	Outward Cheque - Dr
Comm Types.1	+			
Charge Types.1	+		INLOCPYMT	INCOMING LOCAL PAYMENT CHARGE
Forw Value Maximum			Y	
Back Value Maximum			Y	
Payment Type.1	+		ALL	
Payment Value.1	*		Y	
Customer Float.1	*		P	
Same Cust Float.1				
Dr Advice Req'd Y N	*		<input type="radio"/> N <input checked="" type="radio"/> Y	
Cr Advice Req'd Y N	*		<input type="radio"/> N <input checked="" type="radio"/> Y	
Bulk Txn Code Cr	*		214	Standing Order
Bulk Txn Code Dr	*		214	Standing Order
Allow Exchange			<input checked="" type="radio"/> [None] <input type="radio"/> N <input type="radio"/> Y	
Message Cond Id				
Local Ref				
Default Deal Mkt				
Application Format				
Nostro Xfer Type				
Recalc Fwd Rate			<input type="checkbox"/>	
Send Payment Y N			<input checked="" type="radio"/> [None] <input type="radio"/> No <input type="radio"/> Yes	
No Ben Cust Y N			<input checked="" type="radio"/> [None] <input type="radio"/> No <input type="radio"/> Yes	

Define all Funds Transfer transactions using FT.TRANSACTION.TYPE.CONDITION

Interfaces

FT.TAPE.PARAMS

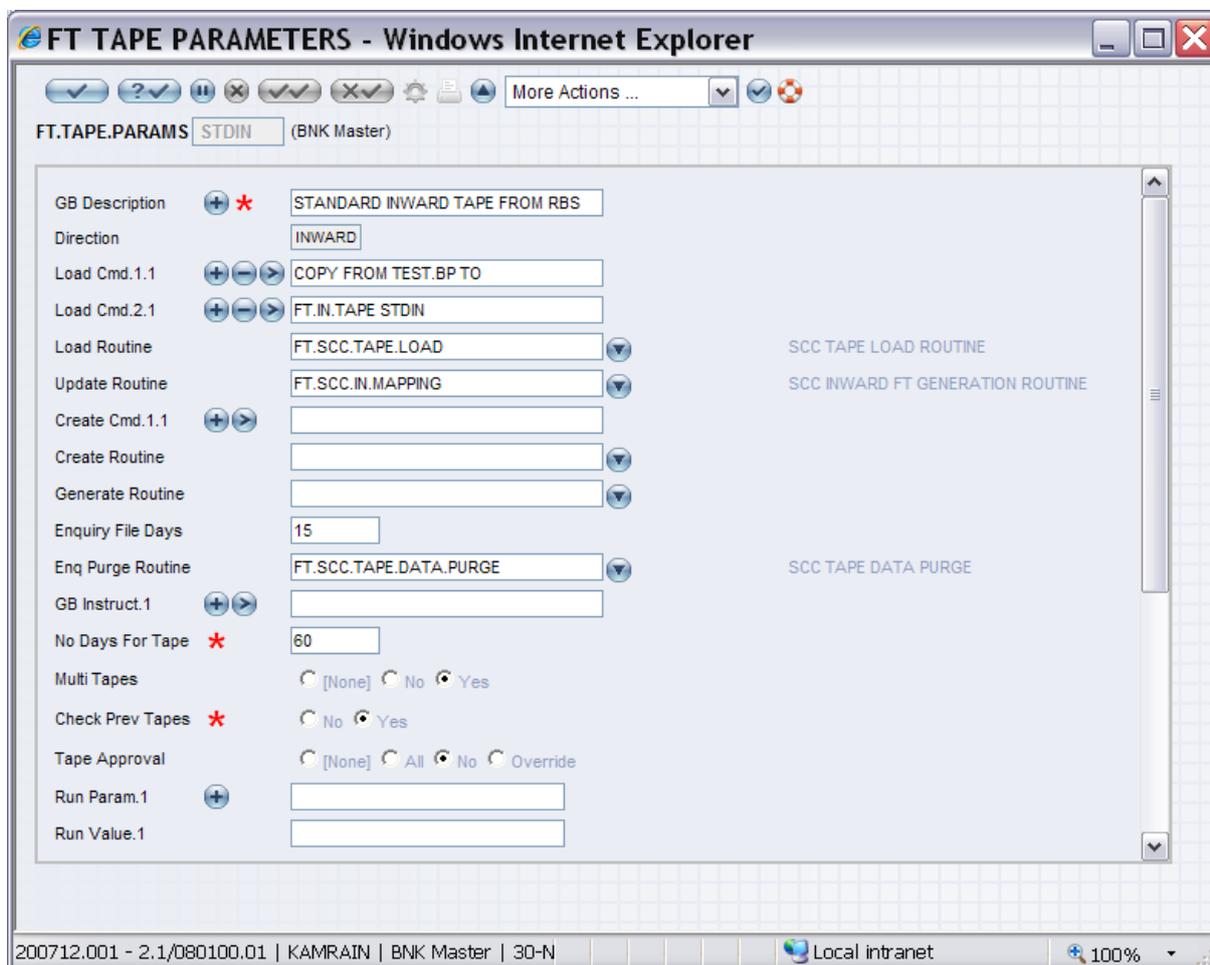
This file contains details of the tape files to be used for sending or receiving information from the local clearing system.

Much of the information entered here describes the technical processing of incoming and outgoing tapes - commands for tape loading, routines to call etc.



Local Clearing

Also defined are retention of reports, retention of downloaded data and validation to prevent duplicate processing.



Define the parameters for tape files



Running Clearing - FT.TAPES

The *FT.TAPES* application is used to process the tape files received from and sent to the local clearing system. A process is run on a tape by verifying the appropriate record in this application. The key to the application consists of the tape id - as set up in *FT.TAPE.PARAMS* and the process to be performed eg *STDIN-LOAD*

Processes for Incoming tapes

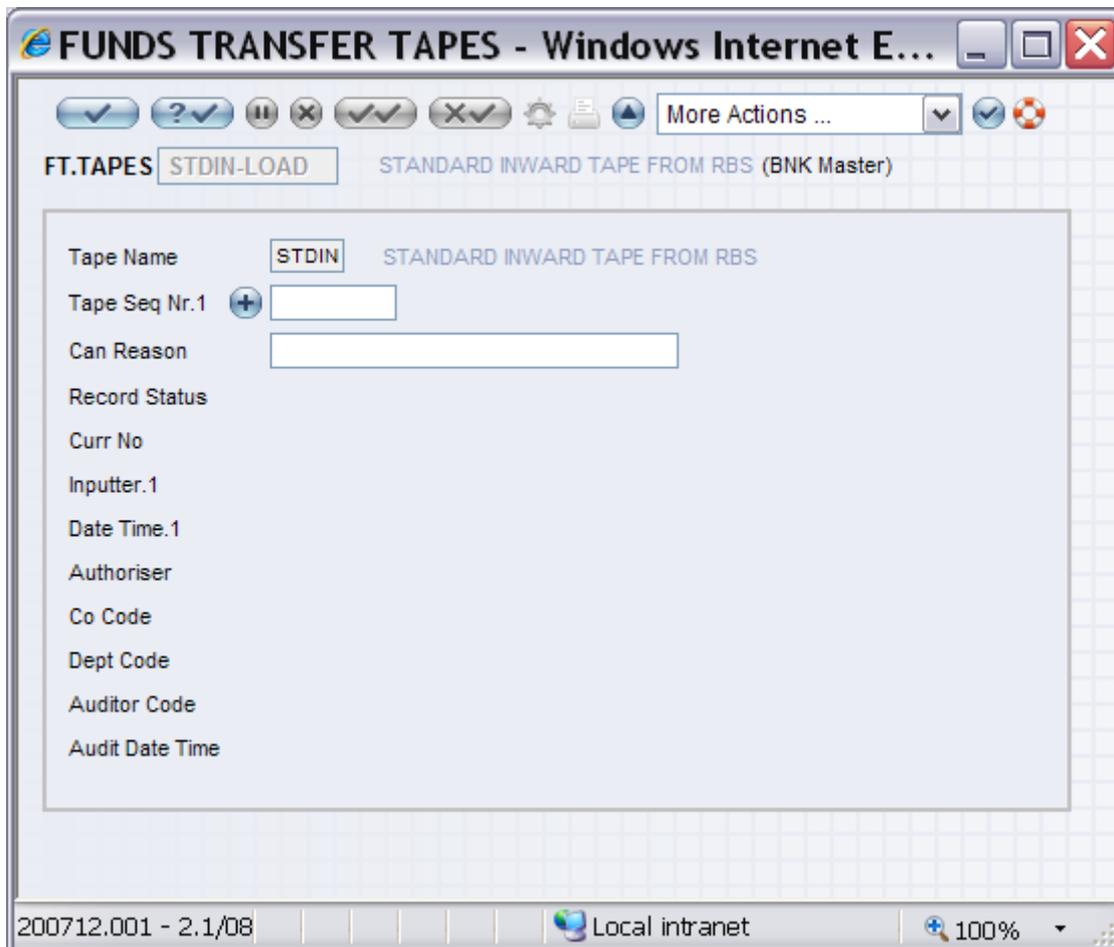
LOAD	Load tape into the work area
APPROVE	Log tape as approved for update
VERIFY	Process the file to create reports only (this must be supported by the UPDATE.ROUTINE)
UPDATE	Generate GLOBUS transactions
CANCEL	Cancel loaded tape

Processes for Incoming tapes

Processes for Outgoing tapes

GENERATE	Create flat file
CREATE	Copy file to outgoing tape
REGEN	Recreate tape

Processes for Outgoing tapes



FT.TAPES Parameter Record

Tracking tape processing

Details of tapes currently being processed are kept in the application *FT.TAPE.REFERENCE*. For incoming tapes, it is updated when a tape is loaded. For outgoing tapes, it is updated by the *GENERATE* or *REGEN* processes. Once an incoming tape is updated or an outgoing tape is created, the *FT.TAPE.REFERENCE* record is removed and a record is created in *FT.TAPE.HIST*.

Generic Accounting Interface

A generic accounting interface has been provided to allow the creation of accounting entries directly from a flat ASCII file. The layout of the file, and options for booking the entries, is defined using the application *AC.ENTRY.PARAM*. The interface can be run on-line, or during the end of day process.



File Layout - AC.ENTRY.PARAM

The file supplied must be:

- An ASCII file.
- Of fixed length.
- Or a delimited (e.g. by commas) file.
- With CRLF line separators, each line of the file representing a separate record.
- Each record may be one of the following types: HEADER records, containing control information (up to 9 allowed), TRAILER record containing control information, and DATA records containing entry details. Each record type should be identified by a sequence of characters in the record.

The source record should be copied to the directory FT.IN.TAPE with the Id XXX.WORK, where XXX is the name of the *AC.ENTRY.PARAM* record.

The elements comprising each record should be defined in the application *AC.ENTRY.PARAM*, containing the starting position and length within the record. Each item may be identified as mandatory, and may be validated by a defined validation routine. Standard system (IN2) validation routines may be defined or customised routines. Each entry processed is also written to a working file, *AC.INWARD.ENTRY*, the location of the extracted data in this file can also be specified.

As a minimum to successfully create accounting entries, the following elements must be supplied:

- Account Number or P&L category.
- Amount.
- Sign, provided directly or indirectly via a transaction code.
- It also recommended that the currency code is supplied for additional verification against the account currency.

It is possible to define Local Reference fields in either *STMT.ENTRY* or *CATEG.ENTRY* as data items (Value of DATA.ITEM specified as LOCAL.REF-NAME where NAME corresponds to a local reference field name defined on the *STANDARD.SELECTION* table for *STMT.ENTRY* or *CATEG.ENTRY*. The data values should pass any validation defined in the local reference validation tables before they will be accepted. Multi-valued Local Reference field values should be separated by the character ~ in the input.



Inward Accounting Interface - Windows Internet...

AC.ENTRY.PARAM **BBLLI** (BNK Master)

Record Type.1	+ - *	HEAD1
Record Id Pos.1	*	1
Record Id Len.1		2
Record Id.1	*	HD
Data Item.1.1	> *	CONTROL.DATE
Data Start.1.1	*	3
Data Len.1.1		8
Data Val Rtn.1.1		IN2D
Data Mand.1.1		<input checked="" type="checkbox"/> Y
Enq File Loc.1.1		VALUE.DATE
Record Type.2	+ - *	TRAIL
Record Id Pos.2	*	1
Record Id Len.2		2
Record Id.2	*	TR
Data Item.2.1	> *	CONTROL.TOTAL
Data Start.2.1	*	3
Data Len.2.1		8
Data Val Rtn.2.1		IN2
Data Mand.2.1		<input checked="" type="checkbox"/>
Enq File Loc.2.1		LOCAL.REF-1

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Accounting Entry Parameter Files for Header and Trailer Records



The screenshot shows a web browser window titled "Inward Accounting Interface - Windows Internet Explorer". The address bar shows "AC.ENTRY.PARAM BBLI (BNK Master)". The main content area displays a form with the following fields:

Record Type.3	+	-	*	DATA
Record Id Pos.3	*			1
Record Id Len.3				2
Record Id.3	*			RC
Data Item.3.1	>	-	*	ACCOUNT
Data Start.3.1	*			3
Data Len.3.1				10
Data Val Rtn.3.1				
Data Mand.3.1				<input type="checkbox"/>
Enq File Loc.3.1				
Data Item.3.2	>	-	*	NARRATIVE
Data Start.3.2	*			3
Data Len.3.2				10
Data Val Rtn.3.2				
Data Mand.3.2				<input type="checkbox"/>
Enq File Loc.3.2				LOCAL.REF-2
Data Item.3.3	>	-	*	CURRENCY
Data Start.3.3	*			13
Data Len.3.3				3
Data Val Rtn.3.3				IN2CCY

The status bar at the bottom shows "200712.001 - 2.1/080100.01 | KAMI" and "Local intranet".

Accounting Entry Parameter File for a Data Record

Error Management

The processing performs certain validation to maintain the integrity of the T24 accounting database. Where a header / trailer are supplied, the following elements will be validated:

CONTROL.DATE - This must match the T24 system date in order to be processed.

CONTROL.TOTAL - This must match the number of DATA records supplied in the file.

Entry validation, which will cause the entry not to be processed includes:

- **ACCOUNT.NUMBER** or **PL.CATEGORY** not supplied, or both items supplied.
- Unable to determine the sign of the entry.
- **VALUE.DATE** of invalid format.
- Non-existent currency code supplied.
- Account currency code does not match the currency of the entry.
- Transaction code supplied does not exist.



Local Clearing

- Amount is not numeric.
- Mandatory items are not supplied.

Where an account number or PL category is not found, the entry will be posted to a suspense account. Optionally a *FUNDS.TRANSFER* record (type AC) will be created with status HLD, to allow correction of the incorrect entry after the file has been processed.

Overrides encountered when processing entries (e.g. unauthorised overdraft, posting restriction) may either be:

- Automatically approved.
- Suspended automatically.

Depending on the option selected.

Accounting Options - AC.ENTRY.PARAM

The generic interface must raise entries, which are balanced. The following options are provided for raising balancing entries.

- Balance by currency, debit and credit, ignoring value date.
- Balance by currency netting debit and credit entries, irrespective of value date.
- Balance by value date and currency, debit and credit.
- Balance by value date, currency irrespective of sign, netting debits and credits.
- Balance per entry in entry currency.

Balancing entries may be raised to either a nominated account per currency, or to an internal account of a defined category and department. The balancing (contra) entries will use definable debit and credit transaction codes, together with an additional narrative.

In the case of P&L entries, an additional option will allow these entries to be treated as local currency or not when raising balancing entries. If P&L entries are balanced by currency account entries, position updates will result, whereas if treated as local currency there is no currency position.

The interface entries can be identified as interface entries by a separate *SYSTEM.ID* on the entry, which is defined in *AC.INWARD.ENTRY*, field *SYSTEM.ID*.



Local Clearing

Inward Accounting Interface - Windows Internet Explorer

AC.ENTRY.PARAM BBLI (BNK Master)

GB Description	+	*	LOCAL CLEARING ACCRUALS	
System Id	*		BBLAC	LOCAL CLEARING
Dr Txn Code	*		8	Take Over Entry - Debit
Cr Txn Code	*		51	Miscellaneous Credit
Contra Dr Txn Code	*		9	Balance Take Over - Debit
Contra Cr Txn Code	*		59	Balance Take Over - Credit
Contra Acct Categ	*		19999	SL Skim Account
Contra Ccy.1	+	i	GBP	POUND STERLINGS
Contra Acct.1	i		25194	DELL GBP
Account Officer	*		69	KAMRAIN SHABIR
Contra Narrative	*		BALANCING ENTRY NARRATIVE	
Accounting Mode	*		Sao Snp Sss	
Contra Entry	*		CCY.VAL.NET	
Reserved1				
Ft Type			AC	Acct Transfer
Susp Class Dr	*		BANK	BANKS
Susp Class Cr	*		CUSDEBIT	CUSTOMER DEBIT FOR SP DISCOUNTED
Contra Pl Local			<input checked="" type="checkbox"/>	Y
Reserved2				
Field Delim				
Record Type.1	+	-	*	HEAD1
Record Id Pos.1	*		1	
Record Id Len.1			2	
Record Id.1	*		HD	
Data Item.1.1	+	*		CONTROL.DATE
Data Start.1.1	*		3	
Data Len.1.1			8	
Data Val Rtn.1.1			IN2D	
Data Mand.1.1			<input checked="" type="checkbox"/>	Y
Enq File Loc.1.1			VALUE.DATE	

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Accounting Entry Parameter for Balanced Entries



Entry Reporting - AC.INWARD.ENTRY

The contents of the tape will be written to the entry work file *AC.INWARD.ENTRY* once extracted, to allow enquiry / reppen reports to be written showing the contents of the file. This will have the basic layout of the STMT/CATEG ENTRY file, but will additionally allow mapping of additional information.

The file will be populated whenever the interface is updated. A purge routine (*AC.INWARD.ENTRY.PURGE*) will clear the enquiry file after the number of days specified in *FT.TAPE.PARAMS*.

The reports to be produced via *ENQUIRY.REPORT* are specified in the *AC.ENTRY.PARAM* record, field *PRODUCE.REPORT*.

File Type	BBLI	Accruals	Reference	Amount	Run	CCY	Local Amount	PS
0000010383			OUR.REF4	50.00-		USD	50.00-	N
	Account	0000010383	currency GBP, Entry	CCY USD				
0000010383			OUR.REF4	50.00		USD	50.00	N
	Account	0000010383	currency GBP, Entry	CCY USD				
PL 50-100			BBLI.28-000011	231.23-		GBP	369.97-	N
			Customer number 10002 does not exist					
PL 50-100			BBLI.28-000013	55.00-		GBP	100.00-	N
			ACCOUNT OFFICER 0200 DOES NOT EXIST					
			13.64% DIFF. RATE EXCEEDS MAX TOLERANCE					
PL 50-100			BBLI.28-000014	55.00		GBP	100.00	N
			ACCOUNT OFFICER 0200 DOES NOT EXIST					
			13.64% DIFF. RATE EXCEEDS MAX TOLERANCE					
NONE			BBLI.28-000015	1.23-		USD	1.23-	N
			Neither Account Number or PL Category Supplied					
NONE			BBLI.28-000016	1.23		USD	1.23	N
			Neither Account Number or PL Category Supplied					
File Total							369.97-	

Report showing contents of AC Interface Errors file



Local Clearing

Report - AC.INTERFACE.SUS

File Type:BBLI Account / P*L	BBLI Accruals Reference	Amount	Run: CCY	02/04/97 Local Amount	Seq:28 PS
USD148001000	BBLI.28-000007	781,231.11-	USD	781,231.11-	Y*
AMOUNT EXCEEDS AUTO PROCESS LIMIT 5000.00					
ORIGINAL ACCOUNT 0000010146					
USD144001000	BBLI.28-000008	781,231.11	USD	781,231.11	Y*
AMOUNT EXCEEDS AUTO PROCESS LIMIT 5000.00					
ORIGINAL ACCOUNT 0000010146					
ITL144001000	OUR.REF5	10,000,000	ITL	5,988.02	Y*
AMOUNT EXCEEDS AUTO PROCESS LIMIT 5000.00					
ORIGINAL ACCOUNT 0000010421					
ITL148001000	OUR.REF5	10,000,000-	ITL	5,988.02-	Y*
AMOUNT EXCEEDS AUTO PROCESS LIMIT 5000.00					
ORIGINAL ACCOUNT 0000010421					
USD148001000	BBLI.28-000017	75.00-	USD	75.00-	Y*
Non Existent Account Record					
ORIGINAL ACCOUNT 0000010381					
USD144001000	BBLI.28-000018	75.00	USD	75.00	Y*
Non Existent Account Record					
ORIGINAL ACCOUNT 0000010381					
DEMI44001000	BBLI.28-000021	60.00	DEM	100.02	Y*
-58.49% DIFF. RATE EXCEEDS MAX TOLERANCE					
ORIGINAL ACCOUNT 10405					
DEMI48001000	BBLI.28-000022	60.00-	DEM	100.02-	Y*
-58.49% DIFF. RATE EXCEEDS MAX TOLERANCE					
ORIGINAL ACCOUNT 10405					
CHF148001000	BBLI.28-000023	72.55-	CHF	100.02-	Y*
-63.73% DIFF. RATE EXCEEDS MAX TOLERANCE					
ORIGINAL ACCOUNT 10413					
CHF144001000	BBLI.28-000024	72.55	CHF	100.02	Y*
-63.73% DIFF. RATE EXCEEDS MAX TOLERANCE					
ORIGINAL ACCOUNT 10413					
File Total				0.00	

Report showing contents of AC Interface Suspense account

Report - AC.INTERFACE.ENT

AC.INTERFACE.REPORT DEV 31 MAR 95 Generic Interface Entries Page 1
Area BACK-OFFICE No 200 Printed at 02 APR 1997 14:57:50
To BACK OFFICE 1

File Type:BBLI Account / P*L	BBLI Accruals Reference	Amount	Run: CCY	02/04/97 Local Amount	Seq:28 PS
0000010162	TEST BOD	1,231.23	GBP	1,969.97	Y
0000010162	TEST BOD	1,231.23-	GBP	1,969.97-	Y
0000010383	OUR.REF1	50.00-	GBP	80.00-	Y
0000010383	OUR.REF1	50.00	GBP	80.00	Y
PL 50-100	BBLI.28-000012	231.23	GBP	369.97	Y
0000010162	BBLI.28-000019	60.00-	GBP	100.02-	Y
0000010162	BBLI.28-000020	60.00	GBP	100.02	Y
File Total				369.97	

Report showing contents of AC Interface Entries file



Deal/Transaction Processing

Running the Interface

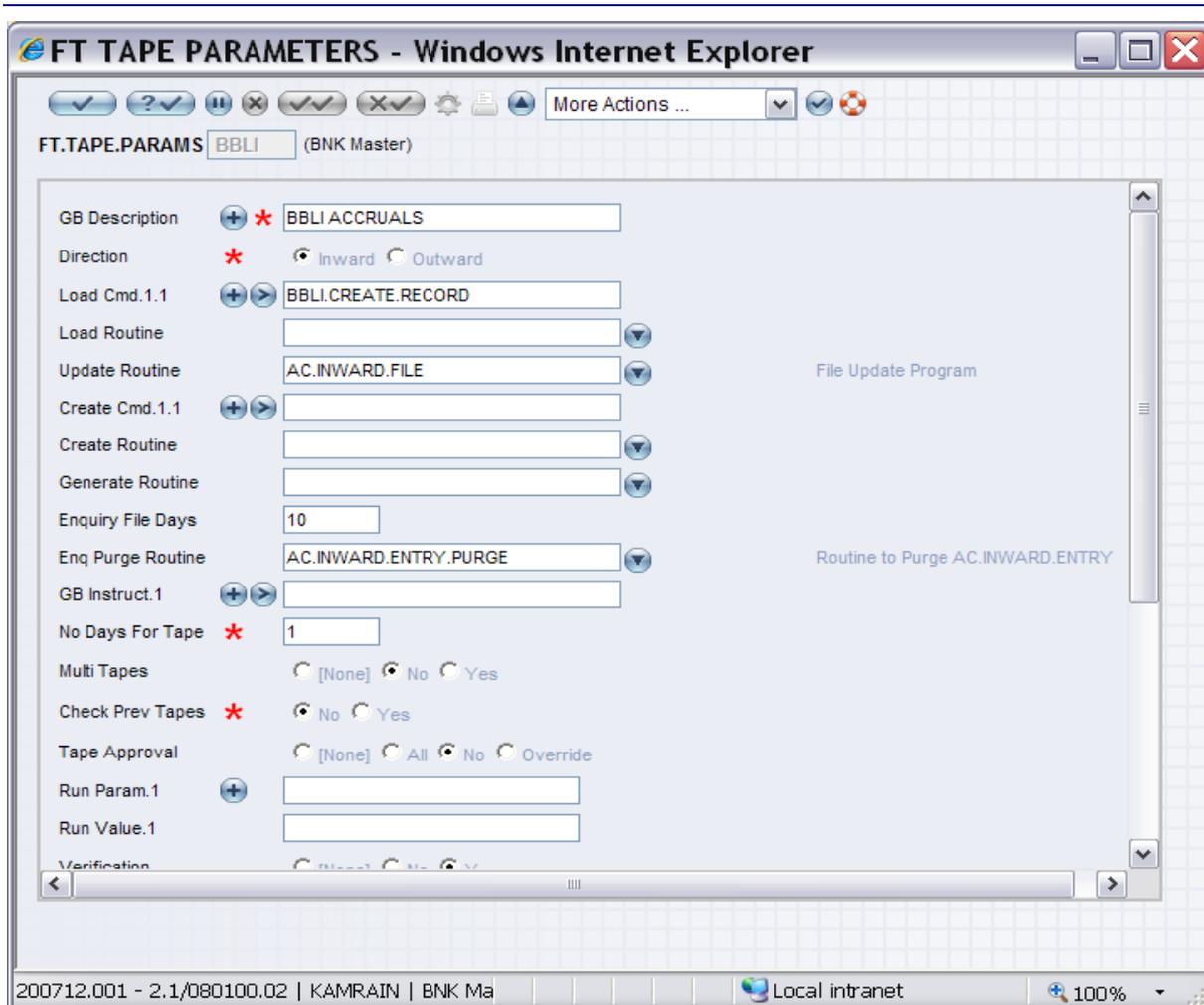
The interface will be invoked from the *FT.TAPES* application. In order to do this a record must be defined for the interface in the application *FT.TAPE.PARAMS*.

The local routine to create the incoming file should be defined as the *LOAD.CMD*, or alternatively the UNIX command required to copy the interface file or tape. When *FT.TAPES* is run with the action *LOAD*, the interface file should be written to the directory *FT.IN.TAPE*, with the name *XXXX.WORK*, where *XXXX* is the name of the *FT.TAPE.PARAMS* and *AC.ENTRY.PARAM* record. This will then be copied to a file *XXXX.NNNN* in *FT.IN.TAPE* directory where *NNNN* is a sequence number allocated to the file.

- The *LOAD.ROUTINE* *AC.LOAD.INWARD.FILE* should be defined. This will return information concerning the incoming file, which will be stored in the *FT.TAPE.REFERENCE / FT.TAPE.HIST* files for information. See APPENDIX.1 for DATA.ITEMs used for this extraction. Any other items defined for Header and Trailer records may be viewed in *ADD.INFO*.
- The *UPDATE.ROUTINE* should be defined as *AC.INWARD.FILE*, the generic incoming interface routine.
- The *ENQ.PURGE.ROUTINE* should be defined as *AC.INWARD.ENTRY.PURGE*.
- The *VERIFICATION* field should be set to YES to allow the interface to be run in extract only mode, for examination of the file contents.



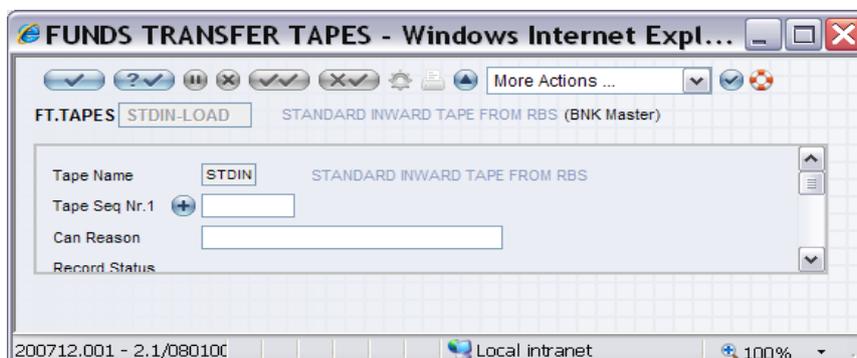
Local Clearing



Setting the parameters for the Interface

Online the interface may be run by:

1. “V”erify *FT.TAPES* using the action *LOAD* for the interface to create the interface file.



Create the Interface file using the LOAD action



2. “V”erify *FT.TAPES* using the action *UPDATE* to create accounting entries from the incoming interface file. If required *FT.TAPES* should be run with the action *VERIFY* to update only the extract file *AC.INWARD.ENTRY*. This option is recommended particularly when defining the interface layout initially in the application *AC.ENTRY.PARAM*, to ensure that the correct structure has been defined.

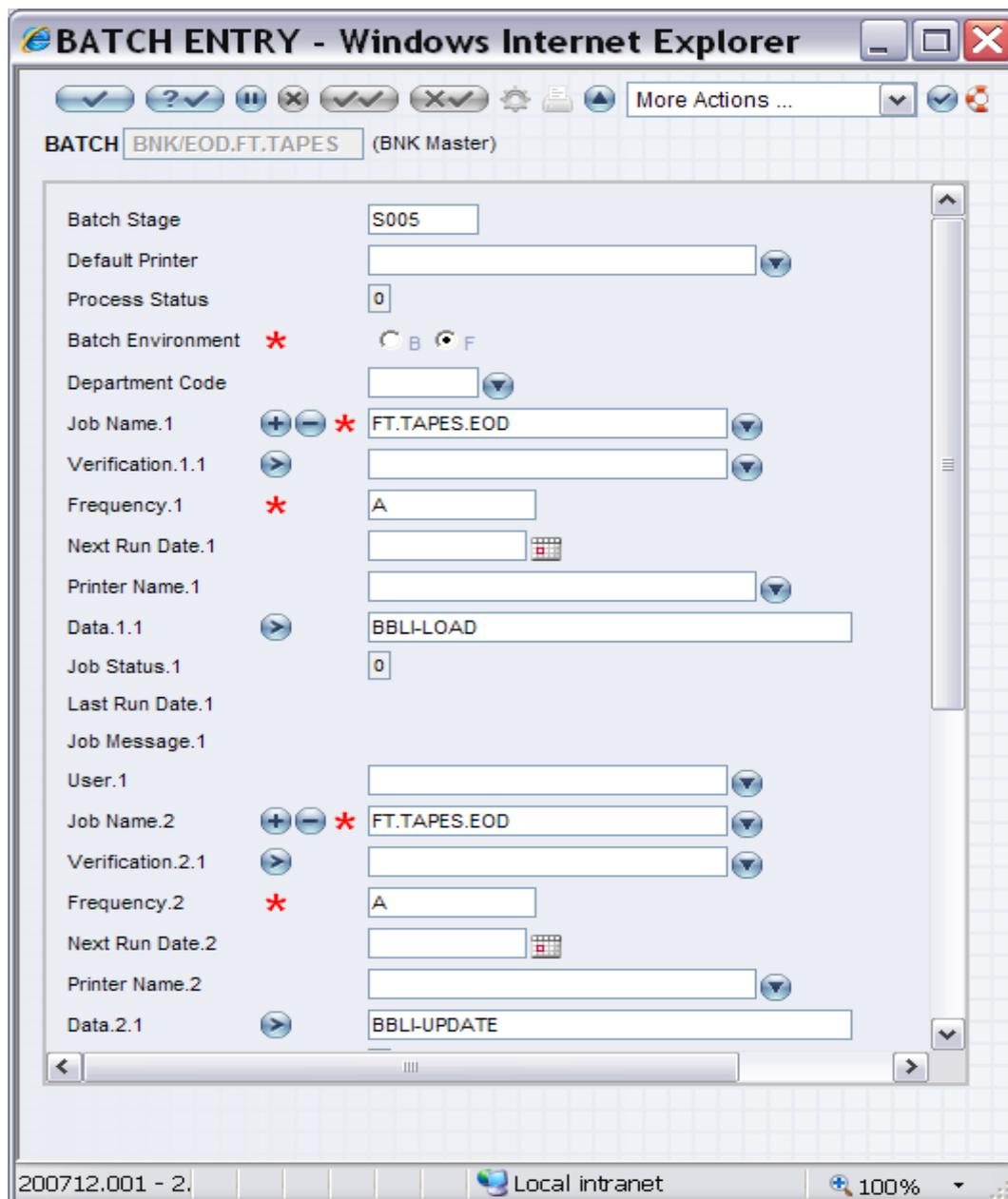


Verify FT.TAPES using the UPDATE action

Running GAI in Batch Mode

External accounting entries can be entered both before and after the calculation of interest and charges on accounts.

To enter external accounting entries before the calculation of interest and charges on accounts, the run details should be added to the *BATCH* record *EOD.FT.TAPES*. The job *FT.TAPE.EOD* should run twice, once in *LOAD* mode, secondly in *UPDATE* mode. The value to run should be entered in the *DATA* field, each value entered must exist in the *FT.TAPES* application as defined above steps (the records may be entered using “I”nput rather than “V”erify).



Enter external accounting entries before the calculation of interest and charges

In *BATCH* mode the interface will fail with a **FATAL.ERROR** and result in the batch stopping. This could be in the case of file integrity (control date / total differences), or the interface file not being present. If an error is encountered and the batch should continue, the **DATA** definition of the records to process should be suffixed with the value **"*NOFATAL"**.

To enter external accounting entries after the calculation of interest and charges on accounts, the batch job **EB.GENERIC.ACCT** in the **BATCH** record **SYSTEM.END.OF.DAY3** can be used.



Job Name	Verification	Frequency	Next Run Date	Printer Name	Data	Job Status	Last Run Date	Job Message	User
Job Name.16	+	*	EB.GENERIC.ACCT						
Verification.16.1	>								
Frequency.16	*	A							
Next Run Date.16									
Printer Name.16									
Data.16.1	>				BBLI-LOAD				
Job Status.16						0			
Last Run Date.16									
Job Message.16									
User.16									
Job Name.17	+	*	EB.GENERIC.ACCT						
Verification.17.1	>								
Frequency.17	*	A							
Next Run Date.17									
Printer Name.17									
Data.17.1	>				BBLI-UPDATE				
Job Status.17						0			
Last Run Date.17									
Job Message.17									
User.17									
Job Name.18	+	*	EOD.UPDATE.CONT.ACT						
Verification.18.1	>								
Frequency.18	*	D							
									DAILY

Enter external accounting entries after the calculation of interest and charges

**AC.ENTRY.PARAM DATA.ITEM details**Use of **DATA.ITEM** element field in resultant entry:

DATA.ITEM	Description	Validation Rules	Stmnt \ Category Location
ACCOUNT	Contains the account number, or mnemonic, or Alternate Account number to which the movement is to be posted. The system will attempt to translate the value into a valid GLOBUS account number if DATA.VAL RTN of IN2AMT or IN2ANT is used. A non-existent value will result in the entry being suspended.	Standard account validation. A value is required to be passed here unless a PL.CATEGORY is supplied. Both ACCOUNT and PL.CATEGORY should not be present.	ACCOUNT.NUMBER
PL.CATEGORY	Contains the 5-digit P&L category code to be posted to. The category code must be in the range 50000 - 69999. Must exist in the CATEGORY file.	5 numeric range 50000 - 69999. Must exist in the Category file. Either ACCOUNT or PL.CATEGORY is required; both must not be supplied.	PL.CATEGORY
CURRENCY	Currency Code for entry movement. Optional value. If not defined it will be assumed to be the ACCOUNT currency where account is defined, otherwise it will be assumed to be local currency. Must exist in the CURRENCY file.	Must be the same as the ACCOUNT currency if ACCOUNT is defined.	CURRENCY
VALUE.DATE	The value date for the entry. If not defined default is assumed to be the processing date.	Optional Format may be: YYYYMMDD DDMMYY or MMDDYY according to USER profile.	VALUE.DATE
AMOUNT	The amount in the CURRENCY supplied, or the account currency to be posted.	1 - 19 numeric value with decimal point. The number of decimals should match the currency decimals. The item may not be signed. Mandatory item	AMOUNT.FCY / AMOUNT.LCY
AMOUNT.LCY	The local currency equivalent of the CURRENCY amount. If not supplied this will be calculated using the current mid-rate.	1 - 19 numeric value. The amount should contain the correct number of decimals for the local currency. The amount should not be signed. Optional	AMOUNT.LCY

AC.ENTRY.PARAM DATA.ITEM details



DATA ITEM	Description	Validation Rules	Stmt \ Category Location
EXCH.RATE	The exchange rate used to convert the amount to local currency. If not supplied this will be calculated from the mid-rate, or derived from the local equivalent.	1-11 numeric value, up to 6 decimal places. Optional	EXCHANGE.RATE
SIGN	The sign of the amount to be posted. The sign may not be required if a TXN.CODE is passed. The DEBIT.CREDIT indicator in the TRANSACTION code will be used to derive the sign in this case.	Possible values: +, null (indicates +) D or DR C or CR	Element of AMOUNT.LCY and AMOUNT.FCY
TXN.CODE	A valid GLOBUS transaction code. This will be used when posting the entry as the code, and will also be used to derive the sign of the amount if SIGN is not supplied.	Mandatory if SIGN is not defined. Must be a VALID GLOBUS Transaction code with DEBIT/CREDIT IND defined.	TRANSACTION.CODE
REVERSAL.MARKER	Indicates if the entry is a reversal of a previous posting. If supplied with A TXN.CODE and no SIGN, the amount will be posted with the OPPOSITE sign to the DEBIT.CREDIT marker defined for the transaction code.	Any value will indicate a Reversal. The entry raised will contain the value "R". Optional	REVERSAL.MARKER
THEIR.REF	The reference to the entry as known by the account holder. Where CHEQUES are processed this should contain the CHEQUE.NUMBER so validation will be performed for stopped items.	Optional input. 1-16 alpha-numeric characters	THEIR.REFERENCE
OUR.REF	The reference to the transaction known to the bank. If not supplied the reference used will be INTERFACE ID ""Seq "" Record number	Optional input. 1-16 alpha-numeric characters	OUR.REFERENCE
TRANS.REFERENCE	The reference of the transaction. If not supplied the reference used will be INTERFACE ID ""Seq "" Record number	Optional input. 1-18 alpha-numeric characters	TRANS.REFERENCE
PRODUCT.CATEGORY	The product category to be used when posting a P&L entry. Should not be passed for account entries. For an account this will be set to the account CATEGORY	4-5 digit CATEGORY code	PRODUCT.CATEGORY
ACCOUNT.OFFICER	The account officer code to be used when posting a P&L entry. Should not be supplied for account entries. For account entries this will be set to the ACCOUNT.OFFICER of the account.	1-4 digit DEPT.ACCT.OFFICER code.	ACCOUNT.OFFICER

AC.ENTRY.PARAM DATA.ITEM details



DATA ITEM	Description	Validation Rules	Stmt \ Category Location
CUSTOMER	The customer number to be used when posting a P&L entry. May also be supplied as a CUSTOMER MNEMONIC. The derived number must exist in the CUSTOMER file.	1-6 digit CUSTOMER number,	CUSTOMER
DEPARTMENT	The department code to be used when posting a P&L entry.	1-4 digit DEPT.ACCT.OFFICER code.	DEPARTMENT.CODE
NARRATIVE	Any narrative to be posted in the NARRATIVE field of the entry. Narrative will be split into 35 character lines where this limit is exceeded. Alternatively multiple lines of narrative may be defined, each definition of narrative will form a new line of narrative.	Any alpha numeric narrative	NARRATIVE
THEIR.ACCOUNT	The account number used in the other system for reference only. This may be extracted, but will not appear in the resultant accounting entry, however may be used for reporting purposes.		None
PROCESS DATE	Date of processing in the other system for reference only. This may be extracted, but will not appear in the resultant accounting entry, however may be used for reporting purposes.	Optional.	None
SORT.CODE	Sort code of incoming entry.		None
THEIR.SORT.CODE	Sort code of originating bank for information only.		None
THEIR.NAME	Name of sender of entry for information only. This is relevant when processing clearing tapes /files		None
FILLER	Used to identify empty elements of the line.		None
CONTROL DATE	Control Date for validation against GLOBUS the system date must match the CONTROL DATE for processing to take place.	Optional. Format may be: YYYYMMDD DDMMYY or MMDDYY according to USER profile.	None Stored as TAPE DATE in FT.TAPE REFERENCE
CONTROL.TOTAL	Control count of the number of transactions contained in the file for validation. If the records contained in the record do not match the total the application will not be processed.	Numeric	None
FILE.REF	The tape/file reference number supplied in the header trailer.		None Stored as TAPENUMBER in FT.TAPE REFERENCE

AC.ENTRY.PARAM DATA.ITEM details



DATA.ITEM	Description	Validation Rules	Stmt/Category Location
CHECKSUM	Supplied CHECKSUM in header/trailer		None Stored as CHECKSUM in FT.TAPE.REFERENCE
CALC.CHECKSUM	Supplied calculated CHECKSUM in header/trailer		None Stored as EBS.CHECKSUM in FT.TAPE.REFERENCE
CR.TOTAL	Supplied Credit total in header/trailer		None Stored as CREDIT.TOT in FT.TAPE.REFERENCE
DR.TOTAL	Supplied Debit total in header / trailer		None Stored as DEBIT.TOT in FT.TAPE.REFERENCE
CALC.CR.TOTAL	Supplied Calculated Credit total in header/trailer		None Stored as CALC.CR.TOT in FT.TAPE.REFERENCE
CALC.DR.TOTAL	Supplied Calculated Debit total in header/trailer		None Stored as CALC.DB.TOT in FT.TAPE.REFERENCE
EXPIRY.DATE	Supplied Tape expiry date		Stored as EXPIRY DATE in FT.TAPE.REFERENCE
LOCAL.REF-NAME, where NAME corresponds to a local reference field as defined in the STANDARD.SELECTION table for STMTENTRY or CATEG.ENTRY	Value of a local reference field in STMT.ENTRY or CATEG.ENTRY. Multi-valued Local Reference field values should be separated by the character ~ in the input.	The data values should pass any validation defined in the local reference validation tables before they will be accepted.	Stored as corresponding Local reference field in STMT.ENTRY or CATEG.ENTRY

AC.ENTRY.PARAM DATA.ITEM details