DERIVATIVES ON BDA MANUAL

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1   INTRODUCTION

The BDA system interfaces with the Derivatives system on a nightly basis, when derivative information is uploaded into BDA, allowing for automatic journals to be passed, records of nett positions traded in the RTC and SAFEX markets to be displayed and the calculation of booking fees and VAT on all contracts.

To enable entries to be passed correctly, information has to be loaded on various BDA facilities.

2   VERSION CONTROL

Version	Author	Date	Reason for changes
V14.10.1	Barbara Teasdale	13 October 2014	Rebranded
V15	Sihle Gumede	12 February 2019	Added ITAC functional changes

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4 GETTING AROUNF THE SYSTEM

4.1 Signing On To the System

The following procedure is used to sign on to the system:

When the mainframe icon is accessed the following screen will appear.

```
EMSP00


     **********    *******   **************   Date    : 05/19/14
     **********   **********  **************   Time    : 16:08:35
     **********  *********** **************   Terminal: V10Ennnn
              ***        ***               *-------------------*
     ********* ***        ***                Customer Support
     ********* ***                            (011) 520-7777
     ********* ***            **************  After Hours Support
         *** ***             **************    (011) 520-7900
         ***  *********      **************   *-------------------*
         ***   **********
         ***       ******** ************** Enter Logon information:
         ***            *** **************   User         ==>
         ***            *** **************   Password     ==>
         ***        ***                      New          ==>
         *** ***     ***                     Application  ==>
   ***    *** ***    ***                     Group        ==>
   ***    *** ************ **************   Location     ==>
   ************ **********  **************   Secondary data=>
      ********    ********   **************
```

Type in the sign on and password in the USER and PASSWORD fields and press 'Enter'.

The Application Selection screen will be displayed.

4.2 Application Selection

```
EMSP01              Application Selection    Help: 17-6666  Term:    V10Ennnn
                                             Date: 05/19/14 Time:    16:12:47
                                             User: BCS99    Group:   CSERV
                                             Broadcast:     Printer: P10Ennnn
 Select application or enter command. LOGOFF command terminates all sessions.
 Escape key ATTN   Command key ENTR and Prefix $$        Print key PF24


   ID  Name     Status M  B Jump Key Application Description
   1   TRMCICS  13:35         PA2    CICS PRODUCTION
   2   B5ACICS  13:24         PA2    BDA ENTITLEMENTS CICS








COMMAND ==> _____  _____  _____  _____
PF 1=HELP  2=LANG  3=DISC  4=KEYS  7=BACKW  8=FORW  12=EXIT
```

In order to sign on to an application, one of the following options must be used:

Type in the application id in the COMMAND line e.g. 1 and press 'Enter',
OR
Type in the application name in the COMMAND line, e.g. TRMCICS and press 'Enter',
OR
Place the cursor next to the desired application and press 'Enter'.

The JSE Main Menu will be displayed.

4.3   JSE Main Menu

```
IMMMENU              JSE Limited Reg. No. 2005/022939/06  14/10/13   11:11:33
JSEM                            MAIN MENU                          JSEJB1

 Please select an option by entering the selection in the PATH field and the
 fast-path mnemonic (if any) in the COMMAND field and press ENTER.

 11     BDA2 BROKER DEAL ACCOUNTING
 17     GLMM BOND MARKET




SYSTEM: JSE   PATH            COMMAND
PF   2 REFRESH     3 RETURN
```

The screen name, heading and the date and time are displayed at the top of the panel. The screen code, sub-heading and the sign on are displayed in the next line.

Field Descriptions:

PLEASE SELECT....   Basic instructions on how to use the facility are given

NUMERIC CODE   Each system has a two digit numeric code, which is used to access the facility.

DESCRIPTION OF CODE   The name of the system to which the numeric code is linked is displayed.

PATH   The two digit numeric code of the system required may be entered in this field, e.g. 11.

COMMAND   The code of the facility required may be entered in this field, e.g. CLMNT. The system will then access CLIENT MAINTENANCE directly.

To select BDA, type in the number 11 in the PATH field, and press 'Enter'.

The BDA Main Menu will be displayed.

4.4   BDA Main Menu

```
OPTN: MAIN        BCS/A:   MAIN   MENU    (BROKER)        13OCT14 11:14:19
 ACTN:                                                     JSE      AB0
                     OPTION     DESCRIPTION

                     MENUA    GENERAL MAINTENANCE
                     MENUB    ACCOUNT MAINTENANCE
                     MENUC    DEALS AND DEAL ADJUSTMENTS
                     MENUD    FINANCIAL DATA
                     MENUE    CREDIT CONTROL
                     MENUF    FLOAT CONTROL
                     MENUG    SCRIP RECEIPTS & CONTRAS
                     MENUH    SCRIP REGISTRATION
                     MENUI    SCRIP MOVEMENTS & DELIVERY
                     MENUJ    REINSTATE DEAL, SCRIP RECORD
                     MENUK    OPEN POSITIONS & HISTORY
                     MENUL    ENTITLEMENT DATA
                     MENUM    MONEY MARKET
                     MENUN    ADMINISTRATION
                     MENUO    SECURITY
                     MENUP    PORTFOLIO DATA
                     MENUQ    ELECTRONIC CASH PAYMENTS


 PF1/13 HELP PF2/14 RETURN PF4/16 MAIN MENU PF12/24 QUIT (ONL.DTE 13OCT DB 995)
```

The screen name, heading and the date and time are displayed at the top of the panel. The fast-path field, the Broker code, branch code if applicable and the operator/user id is displayed in the next line.

Field Descriptions:

ACTN   This field is used to 'fast path' to sub-menu's or facilities. The = (equals sign) must be typed in before the code of the sub-menu or facility required.

OPTION   The codes of all BDA sub-menus are displayed.

DESCRIPTION   The description of each sub-menu is displayed.

To select the Broker Maintenance facility, type =BROKM in the ACTN field, and press 'Enter'.

The Broker Maintenance facility will be displayed.

5   BROKER MAINTENANCE (BROKM)

This facility is used to load, maintain and view the Broker loading and defaults. The facility is maintained by the Client Services Center and may only be viewed by the Brokers. This information is Broker specific except for the details pertaining to the address and telephone number.

To access this facility, select option BROKM from MENUA, or type =BROKM in the ACTN field, and press enter.
A list of brokers will be displayed.

```
OPTN: BROKM       BCS/A:     BROKER MAINTENANCE            13OCT14 11:17:16
 ACTN:                                                      JSE   AB0
 SORT BY BRK-CDE(C)/BRK-ALPHA(A): C
 START BROWSING FROM BRK-CDE :           OR BRK-ALPHA:
 FUNC   BRK-CDE    BRK-ALPHA  NAME                                   EXC-IND
   _        0        0000     SYSTEMS-SUPPORT                           J
   _        1        JPF      J S E ADMINISTRATION                      J
   _        2        I/O      I/O DEPARTMENT                            J
   _        3        GCH      GCH DEPARTMENT                            J
   _        4        ITG      (OLD) INTEGRAL EQUITIES (TERM 14/05/01)   J
   _        5        SAT      SETTLEMENT AUTHORITY.                     J
   _        6        FSL      (OLD) FINSTRUCT SECURITIES TERM 11/11/02  J
   _        7        CLS      (OLD) CLSA (TERM 02/09/02)                J
   _        8        SGS      (OLD) SG SECURITIES (JHB)(TERM 28/03/03)  J
   _        9        BJM      RENCAP SECURITIES (PTY) LTD               J
   _       10        MET      (OLD) METTLE SECURITIES (PTY) LIMITED     J
   _       11        CSG      (OLD) FIRST SOUTH SECURITIES (PTY) LTD    J
   _       12        ISL      INVESTEC SECURITIES (PTY) LTD             J
   _       13        SI       SASFIN SECURITIES (PTY) LTD               J
   _       14        MH       (OLD) MATHISON & HOLLIDGE                 J
   _       15        DW       MERRILL LYNCH SA (PTY) LIMITED            J
   _       16        CAP      (OLD) BRAIT SECURITIES (TERM 10/03/03)    J
 PF1 HELP    PF2 RETURN    PF4 MENU    PF7 PREV    PF8 NEXT    PF12 QUIT
```

Field Descriptions:

START BROWSING FROM BRK-CDE (C) / BRK-ALPHA (A)
These fields are optional and the broker numeric code or alpha code may be entered.

FUNC	FUNCTION
	Position the cursor on this field and press enter, the additional details of the broker will be displayed.
	Valid codes are:

	Blank	Enquire
	N	New
	C	Change (JSE Only)
	D	Deactivate (once enter is pressed and on the second screen, type DEACTIVE in the ACTN field) (JSE Only)
	R	Re-instate (JSE Only)

Brokers may only enquire and if changes are required the Client Services Center is to be notified in writing.

BRK-CDE   BROKER CODE

The unique broker numeric code allocated by the Client Services Center will be displayed.

This number may not be used again for a period of 5 years after the closure of a broker.

BRK-ALPHA	BROKER ALPHA

The unique broker alpha code allocated by the Client Services Center will be displayed. This is a 3-character code.

The code may not be used again for a period of 5 years after the closure of a broker.

NAME	BROKER NAME

The full broker's name will be displayed.

EXC-IND	EXCHANGE INDICATOR

This field indicates which Stock Exchange the broker is a member of. The options are:

J	Johannesburg Stock Exchange (JSE)
NM	Namibian Stock Exchange (NSX)

If the broker selected is the same as the broker the user is signed on to, the following detail will be displayed

```
OPTN: BROKM        BCS/A:     BROKER MAINTENANCE              13OCT14 11:20:37
 ACTN:                                                        JSE   AB0
 BRK-CDE......:  84            NAME: JSE TEST BROKER
 BRK-ALPHA....: JSE            ADDRESS: 00              The same code will be
 DLG/N-DLG....: N                                      used post ITAC go live
 TEL. #-1.....: .
 TEL. #-2.....:
 TELEFAX......:                POST CODE:       BRK-STATUS.: G  EXCH IND:  J
 LANG CODE....: A              REG NO:          VAT NO    :
 UNEX-CDE.....: JSEX     BILLING CDE: 00000   LAST DEAL NO.....: SPACE
 SAFEX BRK-CDE...: JSE   ENTRY LVL QUAL: 1    SETTLEMENT AGENT.: 000
 MAN. BASE..DR/CR: B  T  DR. INTEREST..: Y    MIN.INT.AMT.DR/CR:  0.00  10.00
 N/MAN BASE.DR/CR: B  T  DR. INTEREST..: Y    MIN.INT.AMT.DR/CR:  0.00  10.00
 CARRY RATE.DR/CR: B  B  VAT DISCLOSURE: B    NEGOTIATED RATE......: 0.0000
 WLK OPTION......: C     NO CHG OPTN...:       AH PROCS IND.........: Y
 PERS-NOTES......: N     PERS-STMNT....: N     AUTO GILT INTEREST...: N
 PARTY ROLE......: SP    CATEGORY......: S     PROPORTION PART ALLOC: N
 SETTL-TERMS.....: SP    CHARGE TYPE...: S     DEFAULT TRUST ACCOUNT:
 BRK-USR-IND.....: S     BRK-NON-RES...:       CHARGE CLOSE OUT FEES: N
 USER - BDA: Y GILT: S JET:   MMK: M PFV: Y SAFEX: Y AUTO BTCH: Y ONL AUTH: Y
 #-MONTHS HISTORY -  CLIENTS.......: 24 AGENTS...............: 24 FIN MONTH:  5
 RETURN CSH CL..:    STOCK.........: 24 ARCHIVING............:  0 STRATE MSG: N
 PF1 HELP PF2 RETURN PF4 MENU PF5 TABLES PF8 PROP-CSDP PF11 CTL-CSDP PF12 QUIT
```

As this screen is maintained by the Client Services Center, only the fields relative to derivatives will be explained below. For full details of the BROKM screen please consult the Broker Maintenance (BROKM) manual.

Field Descriptions:

SAFEX BRK-CDE	SAFEX BROKER CODE
	This code identifies the broker as a derivatives broker who deals in futures and other derivatives. The code is issued by the Client Data division of the JSE and is issued if the broker is approved as a derivatives member. The same code will be used to trade on all the derivatives markets.
USER - SAFEX	SAFEX USER
	This is a Yes/No field that indicates whether the derivative files must be uploaded into BDA for that member.

6   CONTRACT RATE TABLE (T.BKF)

This table allows for numerous combinations of SAFEX booking fee formats to be loaded. This table must be loaded before the SAFEX rate can be entered on the CLMNT facility.

To access this facility, select option BKF form the menu of available tables via MENUA, or type =T.BKF in the ACTN field and press Enter.

```
OPTN: T.BKF         BCS/A:    CONTRACT RATE TABLE          13OCT14 11:31:17
ACTN:                                                      JSE      AB0
                           INCL DEACTIVATED : N
F BRK CLS ACC.CDE   INSTR   TYP OPT FROM DTE    BROKERAGE    CONT.    BOOKING FEE
_  84                        F      20050627        0.00       2           0.00
_  84   _                    F      20060928        3.00       2          55.00
_  84   A                    F      20071204        0.00       5           0.00
_  84   A                    F      20080123        0.00       5         180.00
_  84   A                    O      20080128       35.00      10         333.00
_  84   A       AGLSBR              20081021        0.00       0           0.00
_  84   A       AGLSBR              20120521        0.00       0           0.00
_  84   A       ALSI        F       20080128        0.00       1          25.00
_  84   A       ALSI        O       20080128        0.00       1          26.00
_  84   A       FINI        F       20080128       10.00      10         250.00
_  84   A       FINI        O       20080128        3.00      10         280.00
_  84   A       GLDX        F       20080128       25.00      10         365.00
_  84   A       GLDX        O       20080128        0.00      10         350.00
_  84   A       INDI        F       20080128        1.00      10         375.00
_  84   A       INDI        O       20080128        1.00      10         375.00
_  84   A       ZAUS        F       20071029        0.00       0           0.00
_  84   B                    F      20070713        0.10      10          18.86
_  84   B                    F      20080128       15.00      10         364.00
PF1 HELP    PF2 RETURN    PF4 MAIN MENU    PF7 PREV    PF8 NEXT    PF12 QUIT
```

Field Descriptions:

F   FUNCTION
                                 The nature of the function required must be entered. Valid codes are:
                                 N   Load a new rate
                                 C   Change an existing rate
                                 D   Deactivate an existing rate

BRK   BROKER CODE
                                 The Broker code will be displayed automatically once a rate has been loaded.

CLS   CLASSIFICATION
                                 Each rate loaded must be allocated an alpha classification code.
                                 This may be any letter of the alphabet.

ACC CDE   ACCOUNT CODE
                                 The client's account code must be entered, if required.

INSTR   INSTRUMENT CODE
                                 The instrument code must be entered, if applicable.

TYP	TYPE
	The type of transaction may be entered if required. Valid codes are:
	F Futures
	O Options

OPT	BROKER OPTION
	Valid values are 'A' 'B' for Dealt as Principal and 'C' 'D' for Dealt as Agent
	THIS IS NOT A MANDATORY FIELD

FROM DTE	FROM DATE
	The date from which the rate is valid must be entered, in the format CCYYMMDD.

BROKERAGE	BROKERAGE
	The brokerage applicable may be entered.

CONT	NUMBER OF CONTRACTS
	This must be a numeric value and it is a mandatory field

BOOKING FEE	BOOKING FEE
	The booking fee applicable may be entered.

Function Keys:

No special function keys

7   CLIENT ACCOUNT MAINTENANCE (CLMNT)

Customers trading in the derivative market are required to have a BDA account code. The Client Account Maintenance facility (CLMNT) is used to load and maintain details pertaining to client accounts. Client records may be loaded, changed, deactivated, reinstated or enquired into on this screen. Only the fields relative to derivatives trading will be explained below. For full details on account maintenance, please consult the BDA Account Maintenance manual

To access this facility, type =CLMNT in the ACTN field and press Enter.

```
OPTN: CLMNT          BCS/A: CLIENT ACCOUNT MAINTENANCE        03AUG15 10.11.11
 ACTN:                    520: ENTER NUMERIC ACCOUNT CODE       JSE     243
 ACTION IND....: E ECS: _____ _____ _____ VERIFIED: _____
 ACCOUNT CODE..: _____          LOADED.:        UPDATED   :
        TYPE..: __  ____  BRANCH: __  PARTNER: __      PF-IND.:  PF-ADV:
 FIRST NAMES: _____  INITIALS...: ____
 NAME.......: _____  TITLE......: _____
 ADDRESS....: _____  SEX........: _
         : _____  LANGUAGE...: _
         : _____  STAFF IND..: _
         : _____  INSTIT.TYP.: ___
 POSTAL CODE: ____  FGN POSTAL CODE: _____  POSTAL ADDRESS CNTY.: ___
 TEL.#1.....: _____  TEL.#2..: _____  FAX..: _____
 ALPHA KEY........: _____       PRINC-AGNT-IND.: _
 REFERRED BY......: _____  INCOME BALANCE.: _
 NON-RESIDENT.....: _  EXCHANGE CONTROL: _      COUNTRY........: ___
 SETTLEMENT TYPE..: _  MANAGED CODE....: ___    CONTRA OPTION..: _
 MANDATE MODIFIED.: _  MANDATE RECEIVED: _____  MANDATE CHANGED: _____
 REGISTRATION CODE: __  SCRIP DISPOSAL..: __      SAFE CUSTODY CHARGE: __
 NAME.: _____
 NEG.SCALE........: ____  ELECTION IND: _       ENT.CONSOLIDATION: _
 E-MAIL: _____
 1 HLP 3 ADMNT 4 MAIN 5 TBLS 6 ARMNT 7 BNKAC 9 LTMNT 10 LFT 11 RGHT 12 QUIT ___
```

Field Descriptions:

ACTION IND	ACTION INDICATOR
	The nature of the action required must be entered, e.g.

- N   Load a new account
- C   Change an existing account
- D   Deactivate an existing account
- E   Enquire into an existing account
- R   Reinstate a deactivated account

The PF11 key may be pressed to access the second screen, where the following details are displayed:

```
OPTN: CLMNT         BCS/A: CLIENT ACCOUNT MAINTENANCE        03AUG15 10.12.12
 ACTN:                  520: ENTER NUMERIC ACCOUNT CODE        JSE    243
ACTION IND..: E

 ACCOUNT CODE:          NAME:
 POSTAL ADD C/O IND: _  C/O NAME.: _____
 BEE IND..................: _        BEE EXPIRY DATE    .: _____
 EXTERNAL ACCOUNT IND......: _       EXTERNAL ACCOUNT NO.: _____
 PROCESS INTEREST (C,D,N,B): _       RETAIL CLIENT (Y/N).: _
                                     PROCESS MARGIN (Y/N): _
 INVESTMENT RETURN CODE....: __      ASSET RATE..........: _____
 CREDIT LIMIT..............: _____  BROKERAGE % ........: ___
 PLEDGE VALUE REQUIRED.....: _____   SLB RATE............: _____
 ALLOCATION SEQUENCE.......: ___     DEAL REF.CONS.OPTN..: _
 ELECTRONIC REPORT IND.....: _       DV ADV NOTE IND.....: _
 VAT INVOICE...............: _       CHEQUE INDICATOR....: _
 MAILING LIST..............: _       MEMO'S INDICATOR....:
 POWER OF ATTORNEY.........: _
 POA IN FAVOUR OF.: _____
 FAX INDEMNITY RECEIVED....: CCYYMMDD    COMPANY REPORT .....: _
 SOURCE OF INCOME..........: _____
 1 HLP 3 ADMNT 4 MAIN 5 TBLS 6 ARMNT 7 BNKAC 9 LTMNT 10 LEFT 11 RIGHT 12 QUIT
```

The PF11 key may be pressed to access the third screen, where the following details are displayed:

```
OPTN: CLMNT        BCS/A: CLIENT ACCOUNT MAINTENANCE        03AUG15 10.12.41
 ACTN:                  520: ENTER NUMERIC ACCOUNT CODE        JSE     243
 ACTION IND..: E

 ACCOUNT CODE:          NAME:

 MONEY MARKET INDICATOR.....: _          CLIENT INDICATOR....:  _____
 MONEY MARKET MANDATE DATE..: _____   CLIENT CATEGORY.....:  __
                                         SCRIP ACCOUNT NUMBER: _____
 SAFEX CODE.................: _____
 SAFEX RATE CLASSIFICATION..: _          SLB BP ID...........: _____

 UNEX CODE..................: _____   LENDING DESK BIC CDE: _____

 WAIVE MST FOR PIC..........: _          PRIME BROKER CODE..: ___
                                         PRIME BROKER NAME..: _____
 MINIMISED NOTES (Y/N)......: _          PRIME ACCOUNT CODE..: _____
                                         PRIME BRK VER DATE..: _____
 PF MANAGEMENT CHARGE CDE...: __
                                         PRIME ACCOUNT (Y/N) ......: N
 ELECTRONIC PAY MANDATE DATE: _____

 1 HLP 3 ADMNT 4 MAIN 5 TBLS 6 ARMNT 7 BNKAC 9 LTMNT 10 LEFT 11 RGHT 12 QUIT
```

The same code will be used post ITAC go live

Field Descriptions:

SAFEX CODE	SAFEX CODE Each client that trades in derivatives is required to have a SAFEX code. This code must be loaded in this field on the clients account.
SAFEX RATE CLASS	SAFEX RATE CLASS Booking fees and brokerage may be maintained on the T.BKF table in BDA. If this functionality is used the Rate Class code must be loaded in this field. See the section CONTRACT RATE TABLE (T.BKF) for loading instructions.

8   AGENT ACCOUNT MAINTENANCE (AGMNT)

The Agent Account Maintenance facility is used to load details of Agent accounts. When loading and account for use in the futures market the clients SAFEX account code and the rate classification code must be entered,

To access this facility, select option AGMNT from MENUB, or type =AGMNT in the ACTN field and press Enter.

```
OPTN: AGMNT      BCS/A:  AGENT ACCOUNT MAINTENANCE           13OCT14 12.09.56
ACTN:                    520: ENTER NUMERIC ACCOUNT CODE       JSE      AB0
ACTION IND: E     E-MAIL  : _____
A/C CODE: _____    TYPE: __  ___   BRANCH: __   PARTNER: __
NAME       : _____  ELECTION IND....: _
ADDRESS    : _____            ELEC RPT IND....: _
           : _____            COUNTRY.........: ___
           : _____            SAFEX ACC CDE...:
           : _____  SAFEX RATE CLASS: _
POSTAL CODE: ____  NON-RES: _  EXCH-CTL: _  BEE IND: _  BEE EXPIRY DATE: _____
TEL #1     : _____  TEL #2: _____  TELEFAX : _____
TELEX AREA : ____   TELEX ALPHA: _____   TELEX NO: _____   UNEX CODE: _____
CO REG NO  : _____  TAX-NO: _____  VAT-NO  : _____
ALPHA KEY  : _____  EXT ACC IND: _  EXT ACC CDE: _____
RTS.CON.IND: _ DV ADV IND:    MAIL LIST : _  MEMO'S:   LANG CDE: _  CHEQUE: _
SET TYPE   : _  REG CODE  : __  SCRIP DISP: __  S/C CHARGE: __  INC.BAL: _
REG NAME: _____
MANAG CODE : ___  MAND.MOD    : _   MAND.REC   : _____  MANAG.CHANGED _____
LEGAL ENT  : __  POWER OF ATT : _  CREDIT LIMIT : _____  INSTIT.TYP. : ___
NO MST IND : _  BANK CASHBOOK: __  MIN NOTES   : _  ELEC.PAY.MANDATE: _____
NON DEALING: _   CONTRA OPT: _  BROKERAGE: ___  ALLOC SEQ: ___  SLB RATE : _____
SIGNED EXEMPTION FORM REC.: _  SIGNED DTA FORM REC.: ___
 1 HLP 2 RTN 3 MEMNT 4 MAIN  5 TABLES  6  ARMNT 7 BNKAC 11 RIGHT 12 QUIT  __
```

The same code will be used post ITAC go live

Field Descriptions:

ACTION IND

ACTION IND
The nature of the action required must be entered, e.g.

N   Load a new account
C   Change an existing account
D   Deactivate an existing account
E   Enquire into an existing account
R   Reinstate a deactivated account

When using options C, D, E or R in the ACTN field, the number of the relevant agent account should be entered.

For derivative accounts the SAFEX ACC CODE field must be entered.

SAFEX CODE

SAFEX CODE
Each client that trades in derivatives is required to have a SAFEX code. This code must be loaded in this field on the clients account.

SAFEX RATE CLASS

SAFEX RATE CLASS

Booking fees and brokerage may be maintained on the T.BKF table in BDA. If this functionality is used the Rate Class code must be loaded in this field. See the section CONTRACT RATE TABLE (T.BKF) for loading instructions.

9   HIGH LEVEL FUNCTIONAL PROCESSING

Before the ITAC (Integrated Trading and Clearing Project) implementation BDA was receiving Margin, Deal and Position files for all the derivative markets from Nutron for EOD processing. The JSE, as part of the ITAC deliverables, has moved the Financial Equity and Currency Derivative markets to RTC (Real Time Clearing system). Commodities and the Interest Rate Derivatives will be moved to RTC at a later date.

The move of the Financial Equity and Currency Derivatives markets to RTC has resulted in changes to the processing in BDA:

- BDA will now be able to accept two sets of files for the derivative markets.
  - Nutron
    - Deals
    - Positions
    - Margins

  - RTC
    - Deals
    - Positions
    - Margins
      - A combined Margin Derivatives file across the Financial Equity and Currency Derivative markets will be received from RTC.
      - *One journal will be posted on BDA for the above markets.*
      - The transaction narrative for the journals of the Financial Equity and Currency Derivatives markets on BDA will reflect on AFINH as DERMRG PROFIT / LOSS and DERMRG MARGIN.

Combined journal for the Equity and Currency Derivatives markets view on AFINH:

```
OPTN: AFINH        BCS/A:  ACC.FIN/DLS HIST DETAILS        12FEB19 17:17:12
ACTN:                                                         JSE     592
ACC :  105007 GUMEDE P    TP C  MGD        RG  1 SET C EX F BR/PR     MM
BALANCE CODE: F   SEQ: D    FUT/CUR PUR:              0.00            0.00
FROM DATE  : 2019/02/26    FUT/CUR SAL:              0.00            0.00
                           CASH/FREE  :      119566638.91            0.00
DATE   TRANS TR.QTY SHARE TRM DEAL-ID       TRAN.  TOTAL:            0.00
YYMMDD CODE <---FIN. TR.DESCRIPTION--->      AMOUNT    CSH.BAL  TOT.TRD.BAL
190225 J   [ DERMRG PROFIT / LOSS 25/02  6300330.00 181221968.91 181221968.91
190225 J   [ DERMRG MARGIN 25/02         5558799.00 174921638.91 174921638.91
```

Transaction Descriptions for RTC

- The DOC-REF-NO has been added to BDA to identify journals for the derivative markets. It is displayed when the user presses PF9 on AFINH screen.
    - EQDER will be displayed on historical journals for the Financial Equity Derivatives entries.
    - CURDER will be displayed on historical journals for the Currency Derivatives entries.
    - DERMRG will be used for the combined Financial Equity and Currency Derivatives Margin entries.
    - COMDER will be used when creating journals for the Commodity entries.
    - IRMDER will be used when creating journals for the Interest Rate Market entries.

```
OPTN: SPTRN        BCS/A: FINANCIAL TRANSACTION HISTORY       26FEB19 17:27:30
 ACTN:                                                         JSE     592

 ACCOUNT CODE:  105007 S GUMEDE

 NON-RES.IND.: Y       COUNTRY CODE: UK              EXCH.CONTROL: F
 ACC-TYP.CDE.: C       BRANCH CODE.:                 PARTNER CODE:

 BALANCE CODE: F       PROCESS DATE: 2019/02/25      REG.CODE....:  1
            : FT       GEN.ANALYSIS:                 AGE DATE....: 2019/02/26

                       PRIME ACC:                    PRIME DEL-ID:
            :  6300330.00  CASH BALANCE..:       181221968.91
                           FREE BALANCE..:              0.00
                           OTHER BALANCES:              0.00

 TRAN.CODE...: J       NARRATIVE...: DERMRG PROFIT / LOSS 25/02
 DOC.REF.NO..: DERMRG  CHQ.DEP.NO..:                 CASH ALPHA..:

 TRAN.DATE: 2019/02/26 TIME: 02:04:34 USER: OPS  SOURCE: BDFINSAF TRML.:
```

Combined margin DOC.REF.NO

- Transaction codes will be displayed on ASAFH to reflect deals traded on the different Derivatives markets.
  - o Transaction 'ED' will be used when processing Financial Equity Derivatives deals from RTC
  - o Transaction 'CD' will be used when processing Currency Derivatives deals from RTC
  - o Transaction 'BY' will be used when processing Interest Rate Derivatives deals from Nutron
  - o Transaction 'BC' will be used when processing Commodities deals from Nutron
  - o Transaction 'BS' will be used when processing any other derivatives deals from Nutron

```
OPTN: ASAFH        BCS/A:  ACC.SAFEX HIST DETAILS            26FE
ACTN:
ACC :  105007    S GUMEDE         TP C  MGD     RG  1 SET        
       FOE97  SEQ: D               BALANCE CODE: T       CASH:          0.00
FROM DATE  : 2019/02/26                          BALANCE:          0.00
DATE   TIME   EXP   TRAN            STRIKE      SAFEX      NO.
YYMMDD HH:MM  DATE  CODE CONTRACTS   PRICE      REFERENCE  CONT.   PRICE
190222 11:14 190320 ED P F ALSI  DW            169348865    8    495.76
190222 11:14 190320 ED P F ALSI  DW            169356033    8    495.82
```

Financial Equity Derivatives Transaction Code

10   TRADING DERIVATIVES FOR NON-RESIDENT CLIENTS

When trading derivatives for Non-resident clients a certain procedure must be followed.

CLIENT
Procedure:
- o A non-resident client account is opened on BDA.

- o The non-resident client deposits their funds into the Equities Members non-resident bank account

- o Once receipt of the funds is confirmed, the amount is credited to the client BDA account.

- o The funds will automatically be swept to the JSE Trustees non-resident Trust account overnight, and will show as a credit to the client's BDA account on the T balance the same day.

- o A calculation or estimate must be done as to how much margin the client will be requiring in order to trade Derivatives. A buffer, to cover daily M-T-M movements, should also be allowed for. Should the client wish for the full amount to be used for Derivative trading, obviously no estimate or calculation is required.

- o The amount decided on must then be transferred via a journal entry to the F balance on the client's BDA account

- o When initial margin and daily M-T-M (variation margin) and booking fees are due or is to be received (i.e. net cash-flow per the SAFEX report) which is automatically updated to BDA from SAFEX, this will show as either a debit or credit to the F balance on the client account, and the amount will sweep automatically from the JSE non-resident Trustees account to or from the Equities Member non-resident Trust account.

- o All charges are debited to the income account, which will be squared off to zero at the end of each month via a transfer from the T balance to the I balance on the account. As any income accrued on a credit balance will be credited to the I balance at the end of each month, money will be transferred from the T balance to the I balance only if the account remains in debit.

Note 1: Why transfer the funds to the F balance? If this is not done, the money required to pay for margin on the FM account does not automatically sweep from the JSE Trustees non-resident account. This is a control implemented by the JSE on non-resident accounts in order to ensure that the Equities Member does not fund the trading done by the non-resident client.

Note 2: Why transfer the full amount to the F balance as opposed to the specific margin amount on a daily basis? For two reasons – firstly the sweep will not take place if the account is in debit, and secondly every transfer is charged for by the bank. Transferring the full amount to the F balance also has no impact on the interest received by the client – as the F balance is always included in the JSET interest calculation.

JSE SWEEPS

Procedure:

1. When the client funds are credited to Equities Members non-resident bank trust account, the funds are then swept overnight to the JSE Trustees non-resident bank account. Funds will only be swept against a BDA entry on the client account.

2. When a journal credit is put through from the T balance to the F balance on the client account, any margin amounts due or payable will automatically sweep through to the FM account, where they meet the clearing house requirements.

11   ACCOUNT SAFEX HISTORY (ASAFH)

```
OPTN: ASAFH      BCS/A:  ACC.SAFEX HIST BY PARMS      13OCT14 12:30:20
 ACTN:                                                JSE     AB0



            ACCOUNT CODE    : _____

            BALANCE CODE    : __          (EG. T, I ETC)

            FROM DATE       : _____    (PROCESS DATE-YEARMMDD)

            SEQUENCE        : _           (ASCENDING/DESCENDING)








 PF1 HELP      PF2 RETURN      PF4 MAIN MENU      PF5 TABLES      PF12 QUIT
```

Field Descriptions:

ACCOUNT CODE   ACCOUNT CODE

BALANCE CODE   BALANCE CODE

FROM DATE   FROM DATE

SEQUENCE   SEQUENCE

Function Keys:

No special function keys

```
 OPTN: ASAFH        BCS/A: ACC.SAFEX HIST DETAILS        3AUG15  10:17:01
 ACTN:                                                      JSE      AB0
 ACC :  105007 GUMEDE S      TP C  MGD MCS RG  3 SET C EX  BR/PR     MM Y
       VJB55  SEQ: D          BALANCE CODE: T     CASH:      114731.76-
 FROM DATE  : 2014/10/13                          BALANCE:      114731.76-
 DATE   TIME  EXP   TRAN                STRIKE    SAFEX      NO.
 YYMMDD HH:MM DATE  CODE CONTRACTS       PRICE    REFERENCE  CONT.   PRICE
 150615 11:00 150917 BS P F APNQ INT             02F34982B    5     368.03
 150615 11:00 150618 BS S F APNQ INT        Z    02F34980B    5     361.13
 150615 11:00 150917 BS P F APNF INT             02F34983B    5       .00
 150615 11:00 150618 BS S F APNF INT             02F34981B    5       .00
 150506 12:13 150618 BS S F APNQ INT             02F18380B   15     338.23
 150506 12:13 150618 BS S F APNF INT             02F18381B   15       .00
 150506 11:46 150618 BS S F SHFQ INT             03D29664B   50      76.21
 150506 11:46 150618 BS S F SHFF INT             03D29665B   50       .00
 150505 09:03 150618 BS P F APNQ INT             02F17655B   10     365.34
 150505 09:03 150618 BS P F APNF INT             02F17656A   10       .00
 150323 17:26 150618 BS P F APNQ INT             02F04918B   10     383.08
 150323 17:26 150618 BS P F APNF INT             02F04919B   10       .00
 150317 13:17 150618 BS P F SHFQ INT             03D19301B   50      66.76
 150317 13:17 150319 BS S F SHFQ INT        Z    03D19299B   50      65.57
 1 HLP 2 RTN 3 SHBAL 4 CLMNT 5 ACDLS 6 AFINH         11 ACBAL 12 QUIT
```

Field Descriptions:

ACC	ACCOUNT CODE The account code of the client as entered on the lead screen will be displayed, followed by the client name.
TYP	ACCOUNT TYPE The account type as defined on the table T.ACT will be displayed. Most accounts loaded on CLMNT will be account type 'C' for clients.
MGD	MANAGED CODE For controlled clients the managed code as loaded on CLMNT will be displayed. The managed code is determined by the mandate that the client signs.
REG	REGISTRATION CODE The Registration code (T.REG) as loaded on CLMNT for a controlled client will be displayed. In the electronic environment securities should be registered in the broking member's nominees account name. This nominee name should be loaded on T.REG with an External Nominee indicator of 'N' for No.
SET	SETTLEMENT TYPE The client's settlement type as loaded on CLMNT will be displayed. The valid options are: C CASH (Controlled Clients) D DELPAY (Non-Controlled clients)
EX	EXCHANGE CONTROL INDICATOR

The exchange control indicator as loaded on CLMNT is displayed. The exchange control indicator for Non-residents is 'F' for Financial Rand. Although no special exchange rate exists for financial Rand the funds are still not freely transferable due to exchange control regulations.

BR/PR   BRANCH AND PARTNER CODES
The branch (T.BOP) and partner codes (T.PAR) as loaded on CLMNT will be displayed. Brokerage is split in BDA at Branch and Partner level.

MM   MONEY MARKET
The Money Market indicator shows that a client invests money in the money market. This would only be possible if the broker was a money market broker.

SEQ   SEQUENCE
The order in which the data is displayed is shown
                                A   Ascending order
                                D   Descending order

BALANCE CODE   BALANCE CODE
The balance code for which the details are being displayed will be shown. Some of the options are:
                                T   Trading Balance Code
                                I   Income Balance Code
                                F   Futures Balance Code

CASH   CASH BALANCE
The balance of cash held on the account. These funds will be invested with JSE Trustees or on the money market if the broker is a recognised Money Market Broker. The cash balance may be used to pay for purchases and care should be taken when establishing how much cash to pay out to a client if there are open purchases that have not been paid for on the account.

FROM DATE   FROM DATE
When in descending sequence (See SEQ above)the date will normally be the current date, however if the user selected to display the data in ascending sequence the date at which the display should start may have been entered.

BALANCE	TRADING BALANCE
	The client's trading balance will be displayed. The Trading Balance is the net balance, including all unsettled purchases, sales, cash and free money on the account.

Grid:

DATE YYMMDD	DATE The date of the contract
TIME HH:MM	TIME The time the contract was booked
EXP DATE	EXPIRY DATE The Expiry date of the contract will be displayed
TRAN CODE	TRANSACTION CODE A 2 character code that identifies the type of transaction within BDA
CONTRACTS	CONTRACTS A description of the Contract will be displayed which included the P/S indicator, whether it is a Future (F) or a Call (C) or Put (P) option and the name
STRIKE PRICE	STRIKE PRICE This is the agreed upon price at which the option will be exercised
SAFEX REFERENCE	SAFEX REFERENCE This is the reference number allocated to identify the contract
NO CONT	NUMBER OF CONTRACTS The number of contracts the investor bought
PRICE	PRICE The price the investor paid for the contracts

Function Keys:

F3	SHBAL	Fast Path to the SHARE BALANCE enquiry screen
F4	CLMNT	Fast Path to the CLIENT MAINTENANCE screen
F5	ACDLS	Fast Path to the ACCOUNT OPEN DEALS enquiry screen
F6	AFINH	Fast Path to the ACCOUNT FINANCIAL HISTORY enquiry screen
F11	ACBAL	Fast Path to the ACCOUNT BALANCES screen

12   SAFEX POSITIONS (ASAFP)

The SAFEX Positions enquiry screen displays all derivative positions as at a specified date. The display may be filtered to display only positions on one account.

The access this screen type in =ASAFP in the ACTN field and enter.

```
OPTN: ASAFP      BCS/A:  SAFEX POSITION SELECTION MENU      13OCT14 15:09:52
ACTN:                                                        JSE     243




            ENQUIRY DATE : _____    (PROCESS DATE e.g. YEARMMDD)

            ACCOUNT CODE : _____







PF1 HELP              PF2/4 RETURN                          PF12 QUIT
```

Field Descriptions:

ENQURIY DATE	ENQUIRY DATE The date as at which the user wishes to see the positions must be entered. The format is YYYYMMDD
ACCOUNT CODE	ACCOUNT CODE If the user wishes to restrict the display to positions on one particular account, the account code may be entered, if not all positions for that broker as at the enquiry date, will be displayed.

Function Keys:

No special function keys

Once the filter parameters have been entered the SAFEX POSITIONS DETAILS screen will be displayed.

```
OPTN:                BCS/A: SAFEX POSITIONS DETAILS          13OCT14 15:15:38
 ACTN:                                                       JSE     243
 ENQ.DATE: 20141010
 CONT. INST.PRICE   TYP     OPEN POS.      BUY QTY      SELL QTY    CLOSE POS.
 MAR15 DEUQ          F          200-          200             0            0
 MAR15 EXXC          F         2706-         2738          332-         300-
 MAR15 FBRC          F           13-            0             0           13-
 MAR15 FSRC          F        17075-           86             0        16989-
 MAR15 GLDC          F          199-            0             0          199-
 MAR15 GRTF          F          200-          200             0            0
 MAR15 GRTQ          F          200-          200             0            0
 MAR15 HARF          F          140             0             0          140
 MAR15 HARQ          F          140             0             0          140
 MAR15 LHCC          F          460-            0             0          460-
 MAR15 LHCF          F         1829-            0             0         1829-
 MAR15 LHCQ          F         1829-            0             0         1829-
 MAR15 MDCC          F          230-            0             0          230-
 MAR15 MNDC          F          376-          300             0           76-
 MAR15 MNPC          F          300-          300             0            0
 MAR15 MPCF          F           20-           20             0            0
 MAR15 MPCQ          F           20-           20             0            0
 MAR15 MSMF          F           75             0             0           75
 1 HELP     2 RETURN    4 MAIN MENU   7 PREV        8 NEXT          12 QUIT
```

Field Descriptions:

ENQ.DATE	ENQUIRY DATE The enquiry date entered on the filter panel will be displayed.
CONT.	CONTRACT DATE The contract date is displayed
INST.	INSTRUMENT CODE The contracts instrument code is displayed.
PRICE	PRICE The price at which the contract traded may be displayed.

TYP	TYPE OF CONTRACT
	 The type of contract will be displayed. The options are:
	
	        F - Future
	        O - Option

OPEN POS	OPENING POSITION The opening position in that contract will be displayed
BUY QTY	BUY QUANTITY The quantity bought will be displayed.
SELL QTY	SELL QUANTITY

The quantity sold will be displayed

CLOSE POS   CLOSING POSITION
                                The closing position shows the balance remaining after adding the buy position or
                                subtracting the sell position from the Opening position

Function Keys:

No special function keys

Should you have any queries regarding this manual please contact the Client Services Center on +27 11 520 7777

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