## PROGRAM DEFINITION

|  |
| --- |
|  |
| * This program is used to maintain Cash Flow Parameter |

## RELATED TABLES

|  |  |
| --- | --- |
|  | **Access** |
| * GSM\_CASH\_FLOW\_GROUP * GSM\_CASH\_FLOW * GSM\_CASH\_FLOW\_PLAN | RW  RW  RW |

## RELATED PROGRAMS

|  |  |
| --- | --- |
|  | **Access** |
|  |  |

## ROLES

|  |  |
| --- | --- |
|  | **Test** |
|  |  |

## INITIAL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
|  |  |

## TAB – CASH FLOW GROUP

### USER INTERFACE



### BUTTON DEFINITION

|  |  |
| --- | --- |
|  | **Test** |
|  |  |

### DISPLAY PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Load Cash Flow Group List [CASHFLOW\_GRP\_LIST]   EXEC RSP\_GS\_GET\_CASHFLOW\_GRP\_LIST @CCOMPANY\_ID, @CUSER\_LOGIN\_ID   * Display data [CASHFLOW\_GRP\_LIST]:   + "Cash Flow Group Code"     - Textbox     - Display = CCASH\_FLOW\_GROUP\_CODE     - VARCHAR(20)     - Mandatory   + "Cash Flow Group Name"     - Textbox     - Display = CCASH\_FLOW\_GROUP\_NAME     - VARCHAR(100)     - Mandatory   + "Cash Flow Group Type"     - Combobox     - Display = CCASH\_FLOW\_GROUP\_TYPE\_DESCR     - Field = CCASH\_FLOW\_GROUP\_TYPE     - Value =   SELECT CDESCRIPTION FROM RFT\_GET\_GSB\_CODE\_INFO  ('BIMASAKTI', 'Login Company Id', '\_CASH\_FLOW\_GROUP\_TYPE', '', 'Login User Language')   * + - Default Value = ''   + "Last Updated By"     - Textbox     - Display = CUPDATE\_BY     - Value = User Login Id     - Disabled   + "Last Updated Date"     - Textbox     - Display = CUPDATE\_DATE     - Value = Today Date     - Disabled   + "Created By"     - Textbox     - Display = CCREATE\_BY     - Value = User Login Id     - Disabled   + "Created Date"     - Textbox     - Display = CCREATE\_DATE     - Value = Today Date     - Disabled |  |
| * Proses   + - * + "Add New" 🡪 Go to ADD NEW PROCESS         + "Edit"🡪 Go to EDIT PROCESS         + "Delete"🡪 Go to DELETE PROCESS |  |

### ADD NEW PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set **VAR\_SAVE\_MODE** = NEW * Enabled fields: **All Field** * Disabled fields: "Last Updated By", "Last Updated Date", "Created By", "Created Date" * Set focus to column: "Cash Flow Group Code" |  |
| * Proses   + - * + “Save” 🡪 Go to SAVE & VALIDATION PROCESS         + “Cancel”🡪 Go to DISPLAY PROCESS |  |

### EDIT PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set **VAR\_SAVE\_MODE** = EDIT * Enabled fields: **All Field** * Disabled fields: "Cash Flow Group Code", "Last Updated By", "Last Updated Date", "Created By", "Created Date" * Set focus to column: "Cash Flow Group Name" |  |
| * Proses   + - * + “Save” 🡪 Go to SAVE & VALIDATION PROCESS         + “Cancel”🡪 Go to DISPLAY PROCESS |  |

### DELETE PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set **VAR\_SAVE\_MODE** = DELETE |  |
| * DELETE PROCESS   EXEC RSP\_GS\_MAINTAIN\_CASHFLOW\_GROUP  "Login Company Id"  , "Cash Flow Group Code"  , "Cash Flow Group Name"  , "Cash Flow Group Type"  , "DELETE"  , Login User Id |  |

### SAVE & VALIDATION PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Validation:   + Cash Flow Group Code cannot be Empty   + Cash Flow Group Name cannot be Empty |  |
| * Save Cash Flow Group   EXEC RSP\_GS\_MAINTAIN\_ CASHFLOW\_GROUP  "Login Company Id"  , "Cash Flow Group Code"  , "Cash Flow Group Name"  , "Cash Flow Group Type"  , CACTION [ADD / EDIT]  , Login User Id |  |
| * Go to DISPLAY PROCESS |  |

### CANCEL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Tutup program dan kembali ke Cash Flow Group List |  |

### PRINT PROCESS

#### USER INTERFACE



#### DISPLAY PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * + "From Cash Flow Group"     - Lookup     - Field = CCASH\_FLOW\_GROUP\_FROM     - Value = GSL01600 – Cash Flow Group Lookup   Dengan parameter:  Login Company Id  User Login Id   * + "To Cash Flow Group"     - Lookup     - Field = CCASH\_FLOW\_GROUP\_TO     - Value = GSL01600 – Cash Flow Group Lookup   Dengan parameter:  Login Company Id  User Login Id   * + "Year" From     - Combobox     - Field = CYEAR\_FROM     - Value =   SELECT CYEAR FROM GSM\_PERIOD WHERE CCOMPANY\_ID = [Login Company Id]   * + "Year" To     - Combobox     - Field = CYEAR\_TO     - Value =   SELECT CYEAR FROM GSM\_PERIOD WHERE CCOMPANY\_ID = [Login Company Id]   * + - Validation “Year” To must be greater than “Year” from   + "Period" From     - Combobox     - Field = CPERIOD\_FROM     - Value =       * 01       * 02       * 03       * 04       * 05       * 06       * 07       * 08       * 09       * 10       * 11       * 12      * + "Period" To     - Combobox     - Field = CPERIOD\_TO     - Value =       * 01       * 02       * 03       * 04       * 05       * 06       * 07       * 08       * 09       * 10       * 11       * 12     - Validation: “Period” To must be greater than “Period” From   + "Short By"     - Radio Button     - Field = CSHORT\_BY     - Value =       * [01] Code       * [02] Name   + "Print Local Amount"     - Checkbox     - Field = LPRINT\_LOCAL     - Value = [0] Unchecked / [1] Checked   + "Print Base Amount"     - Checkbox     - Field = LPRINT\_BASE     - Value = [0] Unchecked / [1] Checked      * + "Output To"     - Radio Button     - Field: [PARAM\_OUTPUT]       * 1 = Screen (Default)       * 2 = Printer     - Output’s Button       * Properties         + Membuka property printer       * OK         + Validasi:   IF "From Cash Flow Group" kosong tampilkan pesan  “Please select From Cash Flow Group”  IF "To Cash Flow Group" kosong tampilkan pesan  “Please select To Cash Flow Group”  IF "Print Local Amount" and "Print Base Amount" false, tampilkan pesan "Please check Print Local Amount OR Print Base Amount"  Menjalankan proses “Print” dengan parameter:  [Login User].[CCOMPANY\_ID]  CCASH\_FLOW\_GROUP\_FROM  CCASH\_FLOW\_GROUP\_TO  CYEAR\_FROM  CYEAR\_TO  CPERIOD\_FROM  CPERIOD\_TO  CSHORT\_BY  LPRINT\_LOCAL  LPRINT\_BASE  CUSER\_LOGIN\_ID |  |
| * Jalankan SP untuk process Print:   EXEC RSP\_GS\_PRINT\_CASHFLOW @CCOMPANY\_ID  , CCASH\_FLOW\_GROUP\_FROM  , CCASH\_FLOW\_GROUP\_TO  , CYEAR\_FROM  , CYEAR\_TO  , CPERIOD\_FROM  , CPERIOD\_TO  , CSHORT\_BY  , LPRINT\_LOCAL  , LPRINT\_BASE  , CUSER\_LOGIN\_ID   * Result:   + CCASH\_FLOW\_GROUP\_CODE   + CCASH\_FLOW\_GROUP\_NAME   + CCASH\_FLOW\_GROUP\_TYPE   + CCASH\_FLOW\_GROUP\_TYPE\_DESCR   + CCASH\_FLOW\_CODE   + CCASH\_FLOW\_NAME   + CCASH\_FLOW\_TYPE   + CCASH\_FLOW\_TYPE\_DESCR   + CYEAR   + CPERIOD\_NO   + NLOCAL\_AMOUNT   + NBASE\_AMOUNT |  |

#### PRINT LAYOUT



|  |  |
| --- | --- |
|  | **Test** |
| * Print Cash Flow:   + "Cash Flow Group Code"     - Textbox     - Display = CCASH\_FLOW\_GROUP\_CODE   + "Cash Flow Group Name"     - Textbox     - Display = CCASH\_FLOW\_GROUP\_NAME   + "Cash Flow Group Type"     - Textbox     - Display = CCASH\_FLOW\_GROUP\_TYPE\_DESCR     - Field = CCASH\_FLOW\_GROUP\_TYPE   + "Cash Flow Code"     - Textbox     - Display = CCASH\_FLOW\_CODE   + "Cash Flow Name"     - Textbox     - Display = CCASH\_FLOW\_NAME   + "Cash Flow Type"     - Combobox     - Display = CCASH\_FLOW\_TYPE\_DESCR     - Field = CCASH\_FLOW\_TYPE   + "Year"     - Textbox     - Display = CYEAR   + "Period"     - Textbox     - Display = CPERIOD\_NO   "Plan"   * + "Local Amount"     - Textbox     - Display = NLOCAL\_AMOUNT   + "Base Amount"     - Textbox     - Display = NBASE\_AMOUNT |  |

## TAB – CASH FLOW

### TAB – CASH FLOW

#### USER INTERFACE



#### BUTTON DEFINITION

|  |  |
| --- | --- |
|  | **Test** |
|  |  |

#### DISPLAY PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Selected Cash Flow Group List   + "Cash Flow Group"     - Textbox     - Display = CCASH\_FLOW\_GROUP\_CODE, CCASH\_FLOW\_GROUP\_NAME     - VARCHAR(20), VARCHAR(100)     - Disabled * Load Cash Flow List [CASHFLOW\_LIST]   EXEC RSP\_GS\_GET\_CASHFLOW\_LIST @CCOMPANY\_ID, @CCASH\_FLOW\_GROUP\_CODE, @CUSER\_LOGIN\_ID   * Display data [CASHFLOW\_LIST]:   + "Display Seq."     - Textbox     - Display = CSEQUENCE     - VARCHAR(3)     - Disabled     - Automatic Generate Numbering **[CR01]** with format 000     - Last Number + 1     - **[CR01]**If no last record set 001   + "Cash Flow Code"     - Textbox     - Display = CCASH\_FLOW\_CODE     - VARCHAR(20)     - Mandatory   + "Cash Flow Name"     - Textbox     - Display = CCASH\_FLOW\_NAME     - VARCHAR(100)     - Mandatory   + "Cash Flow Type"     - Combobox     - Display = CCASH\_FLOW\_TYPE\_DESCR     - Field = CCASH\_FLOW\_TYPE     - Value =   SELECT CDESCRIPTION FROM RFT\_GET\_GSB\_CODE\_INFO  ('BIMASAKTI', 'Login Company Id', '\_CASH\_FLOW\_TYPE', '', 'Login User Language')   * + - Default Value = ''   + "Last Updated By"     - Textbox     - Display = CUPDATE\_BY     - Value = User Login Id     - Disabled   + "Last Updated Date"     - Textbox     - Display = CUPDATE\_DATE     - Value = Today Date     - Disabled   + "Created By"     - Textbox     - Display = CCREATE\_BY     - Value = User Login Id     - Disabled   + "Created Date"     - Textbox     - Display = CCREATE\_DATE     - Value = Today Date     - Disabled |  |
| * Proses   + - * + "Add New" 🡪 Go to ADD NEW PROCESS         + "Edit"🡪 Go to EDIT PROCESS         + "Delete"🡪 Go to DELETE PROCESS |  |

#### ADD NEW PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set **VAR\_SAVE\_MODE** = NEW * Enabled fields: **All Field** * Disabled fields: "Last Updated By", "Last Updated Date", "Created By", "Created Date" * Set focus to column: "Cash Flow Code" |  |
| * Proses   + - * + “Save” 🡪 Go to SAVE & VALIDATION PROCESS         + “Cancel”🡪 Go to DISPLAY PROCESS |  |

#### EDIT PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set **VAR\_SAVE\_MODE** = EDIT * Enabled fields: **All Field** * Disabled fields: "Cash Flow Code", "Last Updated By", "Last Updated Date", "Created By", "Created Date" * Set focus to column: "Cash Flow Name" |  |
| * Proses   + - * + “Save” 🡪 Go to SAVE & VALIDATION PROCESS         + “Cancel”🡪 Go to DISPLAY PROCESS |  |

#### DELETE PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set **VAR\_SAVE\_MODE** = DELETE |  |
| * DELETE PROCESS   EXEC RSP\_GS\_MAINTAIN\_CASHFLOW  "Login Company Id"  , "Cash Flow Group Code"  , "Cash Flow Code"  , "Cash Flow Name"  **[CR01]**, "Sequence"  , "Cash Flow Type"  , "DELETE"  , Login User Id |  |

#### SAVE & VALIDATION PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Validation:   + Cash Flow Code cannot be Empty   + Cash Flow Name cannot be Empty |  |
| * Save Cash Flow Group   EXEC RSP\_GS\_MAINTAIN\_CASHFLOW  "Login Company Id"  , "Cash Flow Group Code"  , "Cash Flow Code"  , "Cash Flow Name"  **[CR01]**, "Sequence"  , "Cash Flow Type"  , CACTION [ADD / EDIT]  , Login User Id |  |
| * Go to DISPLAY PROCESS |  |

#### CANCEL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Tutup program dan kembali ke Cash Flow List |  |

#### TEMPLATE PROCESS

##### ~~USER INTERFACE~~

**~~OUTPUT FILE:~~**

~~~~

|  |  |
| --- | --- |
| **[CR02]** | **~~Test~~** |
| ~~Generate Template Process (Create excel file)~~   * ~~Atur data yang akan didownload dengan detail sebagai berikut:~~   + ~~DisplaySeq~~   + ~~CashFlowCode~~   + ~~CashFlowName~~   + ~~CashFlowType~~   + ~~Notes~~ |  |
| * ~~Create File Excel~~ |  |
| * ~~Tampilkan file directory untuk user melakukan save as~~ |  |
| * ~~Note:~~   + ~~Buat file browser untuk pilih lokasi download~~   + ~~Generate Excel File~~   + ~~Tentukan format file, contoh: CASHFLOW – [Login Company Id].xls~~ |  |
| * Download Cash Flow File from Server * Tampilkan file directory untuk user melakukan save as |  |

#### UPLOAD PROCESS

##### USER INTERFACE



##### BUTTON DEFINITION

|  |  |
| --- | --- |
|  | **Test** |
| * “Open File Explorer” – Untuk membuka File Explorer yang digunakan untuk mencari source file MS-Excel yang akan di-import ke dalam table Database. * “**L**oad” – untuk menampilkan file MS-Excel yang dipilih ke dalam List Load Cash Flow. * “**P**rocess” – Untuk melakukan proses import data – data yang ada di List Load Cash Flow. * “**C**ancel” – Untuk keluar dari program Load Department dan kembali ke program Cash Flow. |  |

##### OUTPUT

|  |  |
| --- | --- |
|  | **Test** |
| * Data pada table master Cash Flow. |  |

##### ROLES

|  |  |
| --- | --- |
|  | **Test** |
| * Program ini dijalankan oleh operator yang mempunyai hak kewenangan menjalankan General System. |  |

##### INITIAL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Load Form:   + Textbox “Cash Flow Group” (Read Only) isi dengan Selected Cash Flow Group Id + Selected Cash Flow Group Name.   + Kosongkan “Source File (Excel)” Textbox.   + Kosongkan List Load Cash Flow (Read Only).   + Unchecked “Overwrite the existing records” Checkbox.   + Disabled semua button.   + Enabled button Open File Explorer.   + Enabled button Process & Cancel.   + Set Focus pada Textbox “Source File (Excel)”. |  |

##### BROWSE PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Keluarkan windows File Explorer, filter hanya menampilkan file-file Ms-Excel saja. * Tunggu respon dari user yang memilih file Ms-Excel yang dikehendaki. |  |
| * Jika user sudah memilih pada windows File Explorer, lakukan:   + Isi Full path directory dan nama file berikut extension file ke dalam textbox “Source File (Excel)”.   + Jalankan Lost Focus textbox “Source File (Excel)”.     - Clear isi List Load Cash Flow.   **[CR02]**   * + - ~~Jika textbox kosong disabled tombol “Load”.~~     - ~~Jika textbox berisi enabled tombol “Load”.~~     - ~~Set Focus ke tombol “Load”.~~ |  |
| **[CR02]**   * Validasi extension File harus “xlsx”. Jika tidak tampilkan pesan “File Type must Microsoft Excel .xlsx”, Ok. * Validasi apakah file ada isinya? Jika kosong tampilkan pesan “File is empty”, Ok. |  |
| **[CR02]**   * Simpan data dari file XLSX kedalam List of DTO (Object sesuai dengan Upload Type) dan kemudian “List of DTO” di COPY BULK kedalam temporary table #CASHFLOW   CREATE TABLE #CASHFLOW (NO INT  , CCOMPANY\_ID VARCHAR(8)  , CCASHFLOW\_GROUP\_CODE VARCHAR(100)  , CSEQ VARCHAR(3)  , CCASHFLOW\_CODE VARCHAR(100)  , CCASH\_FLOW\_NAME NVARCHAR(100)  , CCASHFLOW\_TYPE VARCHAR(10)  , LEXIST BIT  )   * + Jalankan RSP\_GS\_VALIDATE\_UPLOAD\_CASHFLOW     - CCOMPANY\_ID = Login Company Id     - @USER\_ID = [Login User].[CUSER\_ID]     - @KEY\_GUID = [Auto Generated Key GUID] |  |
| **[CR02]**   * Baca Database untuk Get data master Cash Flow   SELECT \* FROM GSM\_CASH\_FLOW (NOLCOK)  WHERE CCOMPANY\_ID = Login Company Id  AND CCASH\_FLOW\_GROUP\_CODE = [Selected Cash Flow Group Code]   * Bandingkan semua records jika Isi data dari file MS-Excel dengan data dari Database GSM\_CASH\_FLOW match maka set Var\_Exists = 1 else 0, Var\_Overwrite = 0   Set record dengan Var\_exists = 1 dengan warna merah |  |

##### ~~LOAD PROCESS~~

|  |  |
| --- | --- |
| **[CR02]** | **~~Test~~** |
| * ~~Disabled “Source File (Excel)” textbox, tombol “Open File Explorer”, tombol “Process”, tombol “Cancel”.~~ |  |
| * ~~Tampilkan tanda “Process Loading…” – Modal Windows.~~ |  |
| * ~~Validasi extension File harus “xls”. Jika tidak tampilkan pesan “File Type must Microsoft Excel”, Ok.~~ * ~~Validasi apakah file ada isinya? Jika kosong tampilkan pesan “File is empty”, Ok.~~ |  |
| * ~~If error not found~~   + ~~Get Data dari File Excel~~   + ~~Validasi isi Data List Load Cash Flow dari File Excel~~     - ~~Jika “Cash Flow Code” kosong tampilkan pesan “Cash Flow Code can not be empty”, Ok~~     - ~~Jika “Cash Flow Name” kosong tampilkan pesan “Cash Flow Name can not be empty”, Ok~~     - ~~Jika “Cash Flow Type” kosong tampilkan pesan “Cash Flow Type can not be empty”, Ok~~     - ~~Jika Error Not Found~~       * ~~Baca Database untuk Get data master Cash Flow~~   ~~SELECT \* FROM GSM\_CASH\_FLOW (NOLCOK)~~  ~~WHERE CCOMPANY\_ID = Login Company Id~~  ~~AND CCASH\_FLOW\_GROUP\_CODE = [Selected Cash Flow Group Code]~~   * + - * ~~Bandingkan semua records jika Isi data dari file MS-Excel dengan data dari Database GSM\_CASH\_FLOW match maka set Var\_Exists = 1 else 0, Var\_Selected = 0 else 1, Var\_Overwrite = 0~~ |  |
| * ~~Jalankan “~~**~~DISPLAY PROCESS~~**~~”~~ |  |

##### DISPLAY PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Tampilkan data List of Load Cash Flow   + Definisi Fields:     - “Selected”       * Checkbox       * Var\_Selected     - “DisplaySeq”       * Textbox     - “CashFlowCode”       * Textbox     - “CashFlowName”       * Textbox     - “CashFlowType”       * Textbox     - Hidden(Var\_Exists)     - Hidden(Var\_Overwrite)   + Font Beri Warna Merah jika Var\_Exists = 1   + Read Only List of Load Cash Flow   + Enabled Column “Selected”   + Column “Selected”.InteractiveChange()     - Update satu current record Var\_Selected = Iif(Chekbox.”Selected”.Checked, 1, 0) |  |
| * Jika List of Load Cash Flow ada isinya   + Checked “Overwrite the existing records” Checkbox     - Jika Checkbox “Overwrite the existing” berubah nilai, Update semua record Var\_Overwrite = Iif(Checkbox.”Overwrite the existing”.Checked, 1, 0)   + Enabled Process button, Cancel button |  |

##### PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Check apakah Cash Flow sudah di gunakan / belum   SELECT TOP 1 1 FROM GSM\_CASH\_FLOW (NOLOCK)  WHERE NOT EXISTS (SELECT TOP 1 1 FROM GSM\_COA (NOLOCK)  WHERE CCOMPANY\_ID = 'Login Company Id'  AND CCASH\_FLOW\_GROUP\_CODE = 'Selected Cash Flow Group Code'   * + AND CCASH\_FLOW\_CODE = “CashFlowCode”)   + Jika sudah di gunakan, tampilkan message “Cannot Load Cash Flow, existing Cash Flow already in use”, Ok * Tampilkan pesan konfirmasi “Are you sure want to import data?” dengan tombol “Yes” dan “No” * Jika “Yes”   Simpan data dari file XLSX kedalam List of DTO (Object sesuai dengan Upload Type) dan kemudian “List of DTO” di COPY BULK kedalam temporary table #CASHFLOW  CREATE TABLE #CASHFLOW (NO INT  , CCOMPANY\_ID VARCHAR(8)  , CCASHFLOW\_GROUP\_CODE VARCHAR(100)  , CSEQ VARCHAR(3)  , CCASHFLOW\_CODE VARCHAR(100)  , CCASH\_FLOW\_NAME NVARCHAR(100)  , CCASHFLOW\_TYPE VARCHAR(10)  , LEXIST BIT  )   * + Jalankan RSP\_GS\_UPLOAD\_CASHFLOW     - CCOMPANY\_ID = Login Company Id     - @USER\_ID = [Login User].[CUSER\_ID]     - @KEY\_GUID = [Auto Generated Key GUID]     - @Var\_Overwrite = Flag Overwrite   **[CR03]** Jumlah Progress Bar:5 Step  Jika terdapat error data, tampilkan kedalam pop-up Grid seperti contoh dibawah |  |
| * Setelah Process selesai, Jalankan “**DISPLAY PROCESS**” |  |



|  |  |
| --- | --- |
|  | **Test** |
| Generate Template Process (Create excel file)   * Atur data yang akan didownload dengan detail sebagai berikut:   + DisplaySeq   + CashFlowCode   + CashFlowName   + CashFlowType   + Notes |  |
| * Create File Excel |  |
| * Tampilkan file directory untuk user melakukan save as |  |
| * Note:   + Buat file browser untuk pilih lokasi download   + Generate Excel File   + Tentukan format file, contoh: CASHFLOW\_ERROR – [Login Company Id].xls |  |

##### CANCEL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Tutup program dan kembali ke Tab – Cash Flow |  |

### TAB – CASH FLOW PLAN

#### USER INTERFACE



#### BUTTON DEFINITION

|  |  |
| --- | --- |
|  | **Test** |
|  |  |

#### DISPLAY PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Selected Cash Flow Group List   + "Cash Flow Group"     - Textbox     - Display = CCASH\_FLOW\_GROUP\_CODE, CCASH\_FLOW\_GROUP\_NAME     - VARCHAR(20), VARCHAR(100)     - Disabled * Selected Cash Flow List   + "Cash Flow "     - Textbox     - Display = CCASH\_FLOW\_CODE, CCASH\_FLOW\_NAME     - VARCHAR(20), VARCHAR(100)     - Disabled * Load Year Period List [YEAR\_PERIOD\_LIST]   SELECT CYEAR FROM GSM\_PERIOD WHERE CCOMPANY\_ID = [Login Company Id]   * Load Cash Flow Plan List [CASHFLOW\_PLAN\_LIST]   EXEC RSP\_GS\_GET\_CASHFLOW\_PLAN\_LIST @CCOMPANY\_ID, @CCASH\_FLOW\_GROUP\_CODE, @CCASH\_FLOW\_CODE, @CUSER\_LOGIN\_ID   * Display data [CASHFLOW\_PLAN\_LIST]:   + "Period No"     - Textbox     - Display = CPERIOD\_NO     - VARCHAR(2)     - Disabled     - Auto Generated from Trigger   + "Local Amount"     - Textbox     - Display = NLOCAL\_AMOUNT     - VARCHAR(20)     - Mandatory   + "Base Amount"     - Textbox     - Display = NBASE\_AMOUNT     - VARCHAR(20)     - Mandatory   + "Last Updated By"     - Textbox     - Display = CUPDATE\_BY     - Value = User Login Id     - Disabled   + "Last Updated Date"     - Textbox     - Display = CUPDATE\_DATE     - Value = Today Date     - Disabled   + "Created By"     - Textbox     - Display = CCREATE\_BY     - Value = User Login Id     - Disabled   + "Created Date"     - Textbox     - Display = CCREATE\_DATE     - Value = Today Date     - Disabled * Display Currency:   SELECT CLOCAL\_CURRENCY, CBASE\_CURRENCY FROM SAM\_COMPANIES (NOLOCK)  WHERE CCOMPANY\_ID = [Login Company Id]   * + "Local Currency"     - Textbox     - Display = CLOCAL\_CURRENCY     - VARCHAR(8)     - Disabled   + "Base Currency"     - Textbox     - Display = CBASE\_CURRENCY     - VARCHAR(8)     - Disabled |  |

#### EDIT PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set **VAR\_SAVE\_MODE** = EDIT * Enabled fields: **All Field** * Enabled fields: "Amount" * Set focus to column: "Amount" |  |
| * Proses   + - * + “Save” 🡪 Go to SAVE & VALIDATION PROCESS         + “Cancel”🡪 Go to DISPLAY PROCESS |  |

#### SAVE & VALIDATION PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Update Amount on Cash Flow Plan   UPDATE GSM\_CASH\_FLOW\_PLAN  SET NCASH\_FLOW\_AMOUNT = "Amount"  WHERE CCOMPANY\_ID = [Login Company Id]  AND CCASH\_FLOW\_GROUP\_CODE = Selected [Cash Flow Group Code]  AND CCASH\_FLOW\_CODE = Selected [Cash Flow Code]  AND CCYEAR = Selected [Year]  AND CPERIOD\_NO = Selected [Period No] |  |
| * Go to DISPLAY PROCESS |  |

#### COPY FROM YEAR

##### USER INTERFACE



##### DISPLAY PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * + "From Cash Flow"     - Radio Button     - Field = CFROM\_CASH\_FLOW\_FLAG     - Value =       * 00 – Same Cash Flow (Default)       * 01 – Other Cash Flow   + "Cash Flow"     - Enabled IF CFROM\_CASH\_FLOW = '01'     - Lookup     - Field = CCASH\_FLOW\_CODE, CCASH\_FLOW\_NAME     - Value = GSL01500 – Cashflow Lookup   With parameter:  Login Company Id  , Selected Cash Flow Group Code *(from Display Header)*  , User Login Id   * + "Year"     - Combobox     - Display = CYEAR     - Value =   SELECT CYEAR FROM GSM\_PERIOD WHERE CCOMPANY\_ID = [Login Company Id]   * + To "Cash Flow"     - Textbox     - Field = CCASH\_FLOW\_CODE, CCASH\_FLOW\_NAME     - Disabled     - Get Data from Selected Display   + To "Year"     - Textbox     - Field = CYEAR     - Get Data from Selected Display |  |
| Button:   * Cancel – Back To Display Process * Process – Go To “PROCESS” |  |

##### PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Jalankan SP untuk process Copy from Year:   EXEC RSP\_GS\_COPY\_FROM\_CASHFLOW  @CCOMPANY\_ID  , CFROM\_CASH\_FLOW\_FLAG  , CFROM\_CASH\_FLOW\_CODE 🡪 *IF CFROM\_CASH\_FLOW\_FLAG = 00 SET CCASH\_FLOW\_CODE from Selected Display*  , CFROM\_YEAR  , CTO\_CASH\_FLOW\_CODE  , CTO\_YEAR  , CUSER\_LOGIN\_ID |  |
| * Go To Display Process |  |

#### TEMPLATE PROCESS

##### USER INTERFACE

**OUTPUT FILE:**



|  |  |
| --- | --- |
| **[CR03]** | **Test** |
| ~~Generate Template Process (Create excel file)~~   * ~~Atur data yang akan didownload dengan detail sebagai berikut:~~   + ~~PeriodNo~~   + ~~Amount~~   + ~~Notes~~ |  |
| * ~~Create File Excel~~ |  |
| * ~~Tampilkan file directory untuk user melakukan save as~~ |  |
| * ~~Note:~~   + ~~Buat file browser untuk pilih lokasi download~~   + ~~Generate Excel File~~   + ~~Tentukan format file, contoh: CASHFLOW\_PLAN – [Login Company Id].xls~~ |  |
| * Download Cash Flow Plan File from Server * Tampilkan file directory untuk user melakukan save as |  |

#### UPLOAD PROCESS

##### USER INTERFACE

**[CR03]**





##### BUTTON DEFINITION

|  |  |
| --- | --- |
|  | **Test** |
| * “Open File Explorer” – Untuk membuka File Explorer yang digunakan untuk mencari source file MS-Excel yang akan di-import ke dalam table Database. * “**L**oad” – untuk menampilkan file MS-Excel yang dipilih ke dalam List Load Cash Flow Plan. * “**P**rocess” – Untuk melakukan proses import data – data yang ada di List Load Cash Flow Plan. * “**C**ancel” – Untuk keluar dari program Load Department dan kembali ke program Cash Flow Plan. |  |

##### OUTPUT

|  |  |
| --- | --- |
|  | **Test** |
| * Data pada table master Cash Flow Plan. |  |

##### ROLES

|  |  |
| --- | --- |
|  | **Test** |
| * Program ini dijalankan oleh operator yang mempunyai hak kewenangan menjalankan General System. |  |

##### INITIAL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Load Form:   + Textbox “Cash Flow Group” (Read Only) isi dengan Selected Cash Flow Group Id + Selected Cash Flow Group Name.   + Textbox “Cash Flow” (Read Only) isi dengan Selected Cash Flow Group Id + Selected Cash Flow Name.   + Textbox “Year Period” (Read Only) isi dengan Selected Year Period.   + Kosongkan “Source File (Excel)” Textbox.   + Kosongkan List Load Cash Flow (Read Only).   + Unchecked “Overwrite the existing records” Checkbox.   + Disabled semua button.   + Enabled button Open File Explorer.   + Enabled button Process & Cancel.   + Set Focus pada Textbox “Source File (Excel)”. |  |

##### BROWSE PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Keluarkan windows File Explorer, filter hanya menampilkan file-file Ms-Excel saja. * Tunggu respon dari user yang memilih file Ms-Excel yang dikehendaki. |  |
| * Jika user sudah memilih pada windows File Explorer, lakukan:   + Isi Full path directory dan nama file berikut extension file ke dalam textbox “Source File (Excel)”.   + Jalankan Lost Focus textbox “Source File (Excel)”.     - Clear isi List Load Cash Flow.     - Jika textbox kosong disabled tombol “Load”.     - Jika textbox berisi enabled tombol “Load”.     - Set Focus ke tombol “Load”. |  |

##### LOAD PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Disabled “Source File (Excel)” textbox, tombol “Open File Explorer”, tombol “Process”, tombol “Cancel”. |  |
| * Tampilkan tanda “Process Loading…” – Modal Windows. |  |
| * Validasi extension File harus “xls”. Jika tidak tampilkan pesan “File Type must Microsoft Excel”, Ok. * Validasi apakah file ada isinya? Jika kosong tampilkan pesan “File is empty”, Ok. |  |
| * If error not found   + Get Data dari File Excel   + Validasi isi Data List Load Cash Flow dari File Excel     - Jika “Amount” kosong tampilkan pesan “Amount can not be empty”, Ok     - Jika “Amount” <> numeric input tampilkan pesan “Amount must be in numeric”, Ok     - Jika Error Not Found       * Baca Database untuk Get data master Cash Flow Plan   SELECT \* FROM GSM\_CASH\_FLOW\_PLAN (NOLCOK)  WHERE CCOMPANY\_ID = Login Company Id  AND CCASH\_FLOW\_GROUP\_CODE = [Selected Cash Flow Group Code]  AND CCASH\_FLOW\_CODE = [Selected Cash Flow Code]  AND CYEAR = [Selected Year]   * + - * Bandingkan semua records jika Isi data dari file MS-Excel dengan data dari Database GSM\_CASH\_FLOW\_PLAN match maka set Var\_Exists = 1 else 0, Var\_Selected = 0 else 1, Var\_Overwrite = 0 |  |
| * Jalankan “**DISPLAY PROCESS**” |  |

##### DISPLAY PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Tampilkan data List of Load Cash Flow Plan   + Definisi Fields:     - “Selected”       * Checkbox       * Var\_Selected     - “PeriodNo”       * Textbox   **[CR03]**   * + - ~~“Amount”~~       * ~~Textbox~~     - “Local Amount”       * Textbox     - “Base Amount”       * Textbox   **[CR03]**   * + - “CashFlowName”     - Hidden(Var\_Exists)     - Hidden(Var\_Overwrite)   + Font Beri Warna Merah jika Var\_Exists = 1   + Read Only List of Load Cash Flow   + Enabled Column “Selected”   + Column “Selected”.InteractiveChange()     - Update satu current record Var\_Selected = Iif(Chekbox.”Selected”.Checked, 1, 0) |  |
| * Jika List of Load Cash Flow ada isinya   + Checked “Overwrite the existing records” Checkbox     - Jika Checkbox “Overwrite the existing” berubah nilai, Update semua record Var\_Overwrite = Iif(Checkbox.”Overwrite the existing”.Checked, 1, 0)   + Enabled Process button, Cancel button |  |

##### PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Check apakah Cash Flow Plan sudah di gunakan / belum   SELECT TOP 1 1 FROM GSM\_CASH\_FLOW\_PLAN (NOLOCK)  WHERE NOT EXISTS (SELECT TOP 1 1 FROM GSM\_COA (NOLOCK)  WHERE CCOMPANY\_ID = 'Login Company Id'  AND CCASH\_FLOW\_GROUP\_CODE = 'Selected Cash Flow Group Code'   * + AND CCASH\_FLOW\_CODE = “CashFlowCode”   + AND CYEAR = [Selected Year])   + Jika sudah di gunakan, tampilkan message “Cannot Load Cash Flow, existing Cash Flow already in use”, Ok * Tampilkan pesan konfirmasi “Are you sure want to import data?” dengan tombol “Yes” dan “No” * Jika “Yes”   Simpan data dari file XLSX kedalam List of DTO (Object sesuai dengan Upload Type) dan kemudian “List of DTO” di COPY BULK kedalam temporary table #CASHFLOW\_PLAN  **[CR03]**  CREATE TABLE #CASHFLOW\_PLAN(NO INT  , CCOMPANY\_ID VARCHAR(8)  , CCASHFLOW\_GROUP\_CODE VARCHAR(100)  , CCASH\_FLOW\_CODE VARCHAR(20)  , CCYEAR VARCHAR(4)  , CPERIOD\_NO VARCHAR(2)  , NLOCAL\_AMOUNT NUMERIC(18,2)  , NBASE\_AMOUNT NUMERIC(18,2)  , LEXIST BIT  )   * + Jalankan RSP\_GS\_UPLOAD\_CASHFLOW\_PLAN     - CCOMPANY\_ID = Login Company Id     - @USER\_ID = [Login User].[CUSER\_ID]     - @KEY\_GUID = [Auto Generated Key GUID]     - @Var\_Overwrite = Flag Overwrite   [CR03] Jumlah progress bar: 6 step  Jika terdapat error data, tampilkan kedalam pop-up Grid seperti contoh dibawah |  |
| * Setelah Process selesai, Jalankan “**DISPLAY PROCESS**” |  |



|  |  |
| --- | --- |
| **[CR03]** | **Test** |
| Generate Template Process (Create excel file)   * Atur data yang akan didownload dengan detail sebagai berikut:   + PeriodNo   + LocalAmount   + BaseAmount   + Notes |  |
| * Create File Excel |  |
| * Tampilkan file directory untuk user melakukan save as |  |
| * Note:   + Buat file browser untuk pilih lokasi download   + Generate Excel File   + Tentukan format file, contoh: CASHFLOW\_PLAN\_ERROR – [Login Company Id].xls |  |

##### CANCEL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Tutup program dan kembali ke Tab – Cash Flow Plan |  |

#### UPDATE BASE AMOUNT

##### USER INTERFACE



##### INITIAL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Button Enable   IF EXISTS (SELECT TOP 1 1 FROM GSM\_COMPANY (NOLOCK)  WHERE CCOMPANY\_ID = [Login Company Id]  AND CBASE\_CURRENCY\_CODE <> CLOCAL\_CURRENCY\_CODE ) |  |

##### DISPLAY PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * + "Cash Flow"     - Textbox     - Field = CCASH\_FLOW\_CODE, CCASH\_FLOW\_NAME     - Disabled     - Get Data from Selected Display   + "Year"     - Textbox     - Field = CYEAR     - Get Data from Selected Display   + "Rate"     - Field = CCURENCY\_RATE     - Value = GSL01700 – Currency Rate Lookup   With parameter:  Login Company Id  , Selected Currency  , User Login Id   * + "Period" From     - Combobox     - Field = INO\_PERIOD\_FROM     - Value =       * 01       * 02       * 03       * 04       * 05       * 06       * 07       * 08       * 09       * 10       * 11       * 12   + "Period" To     - Combobox     - Field = INO\_PERIOD\_TO     - Value =       * 01       * 02       * 03       * 04       * 05       * 06       * 07       * 08       * 09       * 10       * 11       * 12     - Validasi = INO\_PERIOD\_TO must be greater than INO\_PERIOD\_TO |  |

##### PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Jalankan SP untuk process Update Base Amount:   EXEC RSP\_GS\_UPDATE\_BASE\_AMOUNT\_CASHFLOW\_PLAN  @CCOMPANY\_ID  , CCASH\_FLOW\_GROUP  , CCASH\_FLOW\_CODE  , CYEAR  , CCURRENCY\_CODE  , CCURRENCY\_RATE  , INO\_PERIOD\_FROM  , INO\_PERIOD\_TO  , CUSER\_LOGIN\_ID |  |
| * Go To Display Process |  |

#### UPDATE LOCAL AMOUNT

##### USER INTERFACE



##### INITIAL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Button Enable   IF EXISTS (SELECT TOP 1 1 FROM GSM\_COMPANY (NOLOCK)  WHERE CCOMPANY\_ID = [Login Company Id]  AND CBASE\_CURRENCY\_CODE <> CLOCAL\_CURRENCY\_CODE ) |  |

##### DISPLAY PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * + "Cash Flow"     - Textbox     - Field = CCASH\_FLOW\_CODE, CCASH\_FLOW\_NAME     - Disabled     - Get Data from Selected Display   + "Year"     - Textbox     - Field = CYEAR     - Get Data from Selected Display   + "Rate"     - Field = CCURENCY\_RATE     - Value = GSL01700 – Currency Rate Lookup   With parameter:  Login Company Id  , Selected Currency  , User Login Id   * + "Period" From     - Combobox     - Field = INO\_PERIOD\_FROM     - Value =       * 01       * 02       * 03       * 04       * 05       * 06       * 07       * 08       * 09       * 10       * 11       * 12   + "Period" To     - Combobox     - Field = INO\_PERIOD\_TO     - Value =       * 01       * 02       * 03       * 04       * 05       * 06       * 07       * 08       * 09       * 10       * 11       * 12     - Validasi = INO\_PERIOD\_TO must be greater than INO\_PERIOD\_TO |  |

##### PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Jalankan SP untuk process Update Base Amount:   EXEC RSP\_GS\_UPDATE\_LOCAL\_AMOUNT\_CASHFLOW\_PLAN  @CCOMPANY\_ID  , CCASH\_FLOW\_GROUP  , CCASH\_FLOW\_CODE  , CYEAR  , CCURRENCY\_CODE  , CCURRENCY\_RATE  , INO\_PERIOD\_FROM  , INO\_PERIOD\_TO  , CUSER\_LOGIN\_ID |  |
| * Go To Display Process |  |

## ERROR CODE / WARNING MESSAGE DEFINITION

|  |  |
| --- | --- |
| **Error Code / Warning Message** | **Error Message** |
|  |  |
|  |  |
|  |  |

# CR LIST

|  |  |  |
| --- | --- | --- |
| **CR** | **Description** | **Notes** |
| **CR01**  **RE, 12 June 2023** | * Menambahkan input sequence saat save, dan kondisi saat add sequence |  |
| **CR02**  **RE, 12 July 2023** | * Menambahkan file untuk download template dan RSP untuk validasi upload |  |
| **CR03**  **RE, 1 August 2023** | * Menambahkan jumlah progress bar pada process upload * Mengubah upload Cash Flow Plan (Amount: Local Amount & Base Amount) |  |