## PROGRAM DEFINITION

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| --- |
|  |
| * This program is used to maintain Department |

## RELATED TABLES

|  |  |
| --- | --- |
|  | **Access** |
| * GSM\_DEPARTMENT * GSM\_DEPT\_USER * GSM\_CENTER | RW  RW  R |

## RELATED PROGRAMS

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

## ROLES

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

## INITIAL PROCESS

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

## USER INTERFACE

**[CR04]**





## BUTTON DEFINITION

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| --- | --- |
|  | **Test** |
| * Button Upload * Button Template   download template excel untuk kebutuhan upload process   * **[CR08]** Button Assign User, Enable IF "Everyone" = False AND [DEPARTMENT\_LIST]. "Active" = 1 * Button Active/Inactive |  |

## DISPLAY PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Load Department List [DEPARTMENT\_LIST]   EXEC RSP\_GS\_GET\_DEPT\_LIST @CCOMPANY\_ID, @CUSER\_LOGIN\_ID   * Display data [DEPARTMENT\_LIST]:   + "Department Code"     - Textbox     - Display = CDEPT\_CODE     - VARCHAR(20)     - Mandatory   + "Department Name"     - Textbox     - Display = CDEPT\_NAME     - NVARCHAR(80)     - Mandatory      * + "Center Code"     - Lookup     - Display = CCENTER\_CODE     - VARCHAR(8)     - Mandatory     - Value = GSL00900 – CENTER LIST with Parameter:   'Login Company Id'  , 'CUSER\_ID'   * + "Center Name"     - Textbox     - Display = CCENTER\_NAME     - NVARCHAR(80)     - Disabled   + "Manager"     - Lookup     - Display = CMANAGER\_NAME     - Value = GSL01000 – USER LIST with Parameter:   'Login Company Id'  , 'CUSER\_ID'   * + "Everyone"     - Checkbox     - Display = LEVERYONE     - Value = [1] Checked / [0] Unchecked     - Default Value = [1] Checked   + "Active"     - Checkbox     - Display = LACTIVE     - Value = [1] Checked / [0] Unchecked     - **[CR07]** Default Value = [1] Checked   + **[CR04]** ~~"Last Update By"~~ "Updated By"     - Textbox     - Display = CUPDATE\_BY     - Value = User Login Id     - Disabled   + **[CR04]** ~~"Last Update Date"~~ "Updated Date"     - Textbox     - Display = DUPDATE\_DATE     - Value = Today Date     - Disabled |  |
| * On Selected Department, Load Department User List [DEPT\_USER\_LIST]   EXEC RSP\_GS\_GET\_DEPT\_USER\_LIST @CCOMPANY\_ID, @CDEPT\_CODE   * Display data [DEPT\_USER\_LIST]:   + "User Id"     - Textbox     - Display = CUSER\_ID     - VARCHAR(8)   + "User Name"     - Textbox     - Display = CUSER\_NAME     - NVARCHAR(80)   + **[CR04]** ~~"Last Update By"~~ "Updated By"     - Textbox     - Display = CUPDATE\_BY     - Value = User Login Id     - Disabled   + **[CR04]** ~~"Last Update Date"~~ "Updated Date"     - Textbox     - Display = CUPDATE\_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 Update By", "Last Update Date" * Set focus to column: "Dept Code" * Get Selected Record:   EXEC RSP\_GS\_GET\_DEPT\_DETAIL @CCOMPANY\_ID, @CDEPT\_CODE, @CUSER\_LOGIN\_ID |  |
| * 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: "Dept Code", "Active", "Last Update By", "Last Update Date" * Set focus to column: "Dept Name" * Get Selected Record:   EXEC RSP\_GS\_GET\_DEPT\_DETAIL @CCOMPANY\_ID, @CDEPT\_CODE, @CUSER\_LOGIN\_ID |  |
| * Proses   + - * + “Save” 🡪 Go to SAVE & VALIDATION PROCESS         + “Cancel”🡪 Go to DISPLAY PROCESS |  |

## DELETE DEPARTMENT PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set **VAR\_SAVE\_MODE** = DELETE |  |
| * DELETE PROCESS   EXEC RSP\_GS\_MAINTAIN\_DEPARTMENT  Login Company Id  , "Department Code"  , "Department Name"  , "Center Code"  , "Manager"  , "Everyone"  , "Active"  , "DELETE"  , Login User Id |  |

## DELETE ASSIGNED USER PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set **VAR\_SAVE\_MODE** = DELETE |  |
| * DELETE PROCESS   EXEC RSP\_GS\_MAINTAIN\_DEPT\_USER  Login Company Id  , "Department Code"  , "User Id"  , "DELETE"  , Login User Id |  |

## SAVE & VALIDATION PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| **[CR01]**   * Validation for Edit Mode   Everyone Flag  IF Value change from false to true,  Check apakah sudah ada User untuk Department tsb,  IF EXISTS (SELECT TOP 1 1 FROM GSM\_DEPT\_USER (NOLOCK)  WHERE CCOMPANY\_ID = [Login Company Id]  AND CDEPT\_CODE = [Selected CDEPT\_CODE]  )  Tampilkan message "Changing Value Everyone will delete User for this Department"  OK Process  DELETE GSM\_DEPT\_USER  WHERE CCOMPANY\_ID = [Login Company Id]  AND CDEPT\_CODE = [Selected CDEPT\_CODE]  Lalu jalankan Save Department Process  Cancel Process  Back to CRUD Mode |  |
| **[CR07]**   * IF Action "Add", and "Active" Flag = True, jalankan   Jalankan GFF00900 – Activity Approval dengan parameter:  CACTION\_CODE = 'GSM04001'  IF Success, jalankan Save Department Process, IF Failed, stay on Add/Edit Process   * Save Department   EXEC RSP\_GS\_MAINTAIN\_DEPARTMENT  Login Company Id  , "Department Code"  , "Department Name"  , "Center Code"  , "Manager"  , "Everyone"  , "Active"  , CACTION [ADD / EDIT]  , Login User Id |  |
| * Go to DISPLAY PROCESS |  |

## ASSIGN USER PROCESS



|  |  |
| --- | --- |
|  | **Test** |
| Load User List:  **[CR06]**  ~~SELECT CUSER\_ID, CUSER\_NAME FROM SAM\_USER (NOLOCK)~~  EXEC RSP\_GS\_GET\_LOOKUP\_USER\_LIST [Login Company Id], 'GSM04000', [Selected Dept Code]  **[CR06/]**   * Result:   + CUSER\_ID   + CUSER\_NAME * Definisi Column: (Single Selection)   + "User Id"     - Textbox     - Display = CUSER\_ID     - VARCHAR(8)   + "User Name"     - Textbox     - Display = CUSER\_NAME     - NVARCHAR(60) * Definisi Button:   + Process     - Onclick:       * Validasi:         + Harus ada 1 row yang terpilih, jika tidak tampilkan error message “Please select User”       * Kirim semua informasi yang terpilih ke form pemanggil:         + CUSER\_ID         + CUSER\_NAME       * Tutup form lookup   + Cancel     - Onclick: tutup form lookup |  |
| * ADD PROCESS   On Selected User  EXEC RSP\_GS\_MAINTAIN\_DEPT\_USER  "Login Company Id"  , "Department Code"  , "User Id"  , "ADD"  , Login User Id |  |

## ACTIVE / INACTIVE PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * ~~Validation:~~ * ~~Jalankan RSP\_ACTIVITY\_VALIDITY {Login Company ID}, 'GSM04001'~~   ~~If no Error maka jalankan :~~  ~~Baca result,~~  ~~Munculkan Pop Up dengan~~  ~~Label Reason = {Text Box Double byte max 100}~~  ~~Button = OK / Cancel~~  ~~Tampung Nilai di @DETAIL\_ACTION~~  ~~If Result count = 1 and value = All, maka jalankan update~~  ~~If Result Value <> 1 dan value <> = All maka buka GFF00900~~  ~~@PROPERTY\_NO = ‘’~~  ~~@ACTION\_CODE = 'GSM04001'~~  ~~@DATE = @ActiveDate~~  ~~@REQUEST\_BY = {Login User Id}~~  ~~@DETAIL\_ACTION = CCOMPANY\_ID + ‘|’ + hasil detail action~~  ~~@USER\_LIST = Result SP~~  ~~Setelah melalui process applikasi tersebut, Bila Sukses jalankan :~~  ~~[RSP\_CREATE\_ACTIVITY\_APPROVAL\_LOG]~~  ~~@P\_CCOMPANY\_ID = {Login Company Id}~~  ~~@P\_CAPPROVAL\_CODE = 'GSM04001'~~  ~~@P\_CREFERENCE\_NO = CCOMPANY\_ID~~  ~~@P\_CREFERENCE\_INFO = CCOMPANY\_ID + ‘|’ + hasil detail action~~  ~~@P\_DAPPROVAL\_DATE = @ActiveDate~~  ~~@P\_CAPPROVAL\_USER\_ID = {Return User Id}~~  ~~@P\_CACTIVITY\_USER\_ID = {Login user Id}~~  ~~@P\_CREASON\_CODE = ''~~  ~~@P\_CAPPROVAL\_NOTE = @ACTION\_DETAIL~~   * Jalankan GFF00900 – Activity Approval dengan parameter:   CACTION\_CODE = 'GSM04001'   * ACTIVE / INACTIVE PROCESS   EXEC RSP\_GS\_ACTIVE\_INACTIVE\_DEPT  Login Company Id  , "Department Code"  , Flag Active [True] / [False]  , Login User Id |  |

## TEMPLATE PROCESS

### ~~USER INTERFACE~~

**~~OUTPUT FILE:~~**

~~~~

|  |  |
| --- | --- |
| **[CR02]** | **~~Test~~** |
| ~~Generate Template Process (Create excel file)~~   * ~~Atur data yang akan didownload dengan detail sebagai berikut:~~   + ~~DepartmentCode~~   + ~~DepartmentName~~   + ~~CenterCode~~   + ~~CenterName~~   + ~~ManagerName~~   + ~~Everyone~~   + ~~Active~~   + ~~NonActiveDate~~   + ~~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: DEPARTMENT + “ Login Company\_ID”.xls”~~ |  |
| * Download Department File from Server * Tampilkan file directory untuk user melakukan save as |  |

## UPLOAD PROCESS

### USER INTERFACE

**[CR05]**





### 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 Department. * “**P**rocess” – Untuk melakukan proses import data – data yang ada di List Load Department. * “**C**ancel” – Untuk keluar dari program Load Department dan kembali ke program Department Profile. |  |

### OUTPUT

|  |  |
| --- | --- |
|  | **Test** |
| * Data pada table master Department. |  |

### ROLES

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

### INITIAL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Load Form:   + Kosongkan “Source File (Excel)” Textbox.   + Kosongkan List Load Department (Read Only).   + **[CR05]** ~~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 Department.   **[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. |  |
| **[CR07]**  **~~[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 #DEPARTMENT~~   ~~CREATE TABLE #DEPARTMENT(No INT~~  ~~, DepartmentCode VARCHAR(8)~~  ~~, DepartmentName NVARCHAR(80)~~  ~~, CenterCode VARCHAR(8)~~  ~~, ManagerName VARCHAR(8)~~  ~~, Everyone BIT~~  ~~, Active BIT~~  ~~, NonActiveDate VARCHAR(8)~~  ~~)~~   * + ~~Jalankan RSP\_GS\_VALIDATE\_UPLOAD\_DEPARTMENT~~     - ~~CCOMPANY\_ID = Login Company Id~~     - ~~@USER\_ID = [Login User].[CUSER\_ID]~~     - ~~@KEY\_GUID = [Auto Generated Key GUID]~~ |  |
| **~~[CR02]~~**   * ~~Baca Database untuk Get data master Department~~   ~~SELECT \* FROM GSM\_DEPARTMENT (NOLCOK) WHERE CCOMPANY\_ID = Login Company Id~~   * ~~Bandingkan semua records jika Isi data dari file MS-Excel dengan data dari Database GSM\_DEPARTMENT match maka set Var\_Exists = 1 else 0, Var\_Selected = 0 else 1, Var\_Overwrite = 0~~ |  |

### ~~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 Department dari File Excel~~     - ~~Jika “Department Code” kosong tampilkan pesan “Department Code can not be empty”, Ok~~     - ~~Jika “Department Name” kosong tampilkan pesan “Department Name can not be empty”, Ok~~     - ~~Jika “Center Code” kosong tampilkan pesan “Center Code can not be empty”, Ok~~     - ~~Jika “Everyone” kosong tampilkan pesan “Everyone Flag can not be empty”, Ok~~     - ~~Jika “Active” kosong tampilkan pesan “Active Flag can not be empty”, Ok~~     - ~~Jika “Active” flag = 0, “Non Active Date” kosong tampilkan pesan “If Active Flag = 0, Non Active Date can not be empty”, Ok~~     - ~~Jika “Department Code” melebihi Varchar(8) tampilkan pesan “Maximum Character Department Code is 8”, Ok~~     - ~~Jika “Department Name” melebihi Nvarchar(40) tampilkan pesan “Maximum Character Department Name is 8”, Ok~~     - ~~Jika “Center Code” melebihi Varchar(8) tampilkan pesan “Maximum Center Code length is 8”, Ok~~     - ~~Jika “Everyone” bukan “Yes” atau “No “ tampilkan pesan “Everyone Flag is not valid [1/0]”, Ok~~     - ~~Jika “Active” bukan “Yes” atau “No “ tampilkan pesan “Active Flag is not valid [1/0]”, Ok~~     - ~~Jika “Non Active Date” bukan “Yes” atau “No “ tampilkan pesan “Active Flag is not valid [1/0]”, Ok~~     - ~~Jika Error Not Found~~       * ~~Baca Database untuk Get data master Department~~   ~~SELECT \* FROM GSM\_DEPARTMENT (NOLCOK) WHERE CCOMPANY\_ID = Login Company Id~~   * + - * ~~Bandingkan semua records jika Isi data dari file MS-Excel dengan data dari Database GSM\_DEPARTMENT 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 Department   + Definisi Fields:     - ~~“Selected”~~        * ~~Checkbox~~       * ~~Var\_Selected~~   **[CR05]**   * + - “No“       * Textbox       * Generate running number     - “Department Code”       * Textbox     - “Department Name”       * Textbox     - “Center Code”       * Textbox     - ~~“Center Name”~~       * ~~Textbox~~       * ~~Select CCENTER\_NAME From GSM\_CENTER (Nolock)~~   ~~Where CCOMPANY\_ID = Login Company Id And CCENTER\_CODE = “Center Code”~~   * + - “Manager Name” = Textbox     - “Everyone” = Checkbox     - “Active” = Checkbox     - “Non Acitve Date” = Textbox     - **[CR05]**~~Hidden(Var\_Exists)~~     - **[CR05]**~~Hidden(Var\_Overwrite)~~   + **[CR05]**~~Font Beri Warna Merah jika Var\_Exists = 1~~   + Read Only List of Load Department   **[CR05]**   * + ~~Enabled Column “Selected”~~   + ~~Column “Selected”.InteractiveChange()~~     - ~~Update satu current record Var\_Selected = Iif(Chekbox.”Selected”.Checked, 1, 0)~~ |  |
| **[CR05]**   * ~~Jika List of Load Department 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 Department sudah di gunakan / belum~~   + ~~SELECT TOP 1 1 FROM GSM\_DEPARTMENT (NOLOCK)~~   ~~WHERE CCOMPANY\_ID = Login Company Id AND~~  ~~AND NOT EXISTS (SELECT TOP 1 1 FROM GSM\_TRANSACTION\_NUMBER (NOLOCK)~~  ~~WHERE CCOMPANY\_ID = Login Company Id )~~  ~~AND NOT EXISTS (SELECT TOP 1 1 FROM GSM\_TRANSACTION\_APPROVAL (NOLOCK)~~  ~~WHERE CCOMPANY\_ID = Login Company Id)~~  ~~AND NOT EXISTS (SELECT TOP 1 1 FROM [GSM\_TRANSACTION\_DEPARTMENT]~~  ~~(NOLOCK) WHERE CCOMPANY\_ID = Login Company Id )~~   * + ~~Jika sudah di gunakan, tampilkan message “Cannot Load Department, existing Department 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 #DEPARTMENT  CREATE TABLE #DEPARTMENT(No INT  , DepartmentCode VARCHAR(100)  , DepartmentName NVARCHAR(400)  , CenterCode VARCHAR(100)  , ManagerName VARCHAR(100)  , Everyone BIT  , Active BIT  , NonActiveDate VARCHAR(8)  )   * + Jalankan RSP\_GS\_UPLOAD\_DEPARTMENT     - CCOMPANY\_ID = Login Company Id     - @USER\_ID = [Login User].[CUSER\_ID]     - @KEY\_GUID = [Auto Generated Key GUID]     - **[CR05]** ~~@Var\_Overwrite = Flag Overwrite~~   **[CR05]** Jumlah Progress Bar: 11 Step  **[CR05]**   * IF VAR\_RESULT.IERROR\_COUNT=0   + Display message ‘Department uploaded successfully!’, OK   + ELSE     - Display error message where NO < 0 * ELSE   + Set Button Process / Save to Excel Label=Save to Excel   + Update DTO WHERE NO EXISTS IN Error Message NO     - set VALID=N     - Set NOTES=Error messages di resource berdasarkan kode resource di error messages (**CEK DENGAN RnD untuk utility buat convert multiple error messages ke dalam 1 baris**)   + Refresh DEPARTMENT GRID dengan DTO   + Set Valid=Number of DTO where VALID=Y   + Set Invalid= Number of DTO where VALID=N   + Display error message where NO < 0   **[CR05\]**  ~~Jika terdapat error data, tampilkan kedalam pop-up Grid seperti contoh dibawah~~ |  |
| * Setelah Process selesai, Jalankan “**DISPLAY PROCESS**” |  |

### CANCEL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Tutup program dan kembali ke Department Profile |  |

## ERROR CODE / WARNING MESSAGE DEFINITION

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

# CR LIST

|  |  |  |
| --- | --- | --- |
| **CR** | **Description** | **Notes** |
| **CR01**  **RE, 19 May 2023** | Menambahkan validasi jika perubahan flag Everyone from false to true. |  |
| **CR02**  **Re, 12 July 2023** | * Menambahakn file download template dan validasi upload RSP |  |
| **CR03**  **RE, 1 August 2023** | * Menambahkan jumlah progress bar pada process upload |  |
| **CR04**  **RE, 11 August 2023** | * Mengubah Last Updated -> Updated |  |
| **CR05**  **RE, 6 Sept 2023** | * Mengubah process upload |  |
| **CR06**  **RE, 20 Sept 2023** | * Mengubah query manual ke SP |  |
| **CR07**  **RE, 16 Okt 2023** | * Mengubah default flag Active = true dan saat save “add” baca Activitiy Approval |  |
| **CR08**  **RE, 21 Nov 2023** | * Button Assign User enable jika Everyone False dan status Dept Active. |  |