## PROGRAM DEFINITION

|  |
| --- |
|  |
| * Program untuk Setting PM System Parameter |

## RELATED TABLES

|  |  |
| --- | --- |
|  | **Access** |
| * PMM\_SYSTEM\_PARAM * PMM\_SYSTEM\_PARAM\_UTILITIES | * RW |

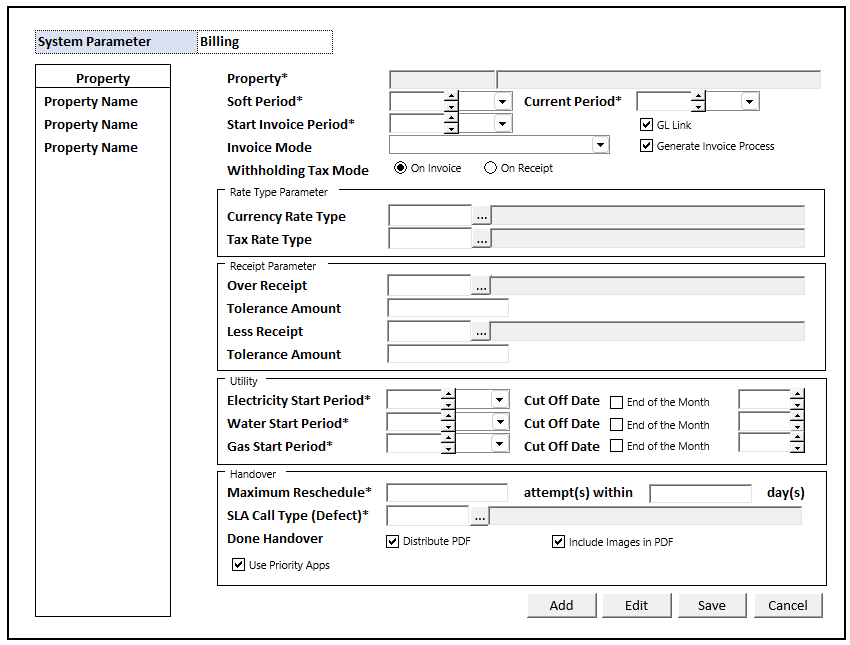
## ROLES

|  |  |
| --- | --- |
|  | **Test** |
| * User yang mempunyai akses ke program |  |

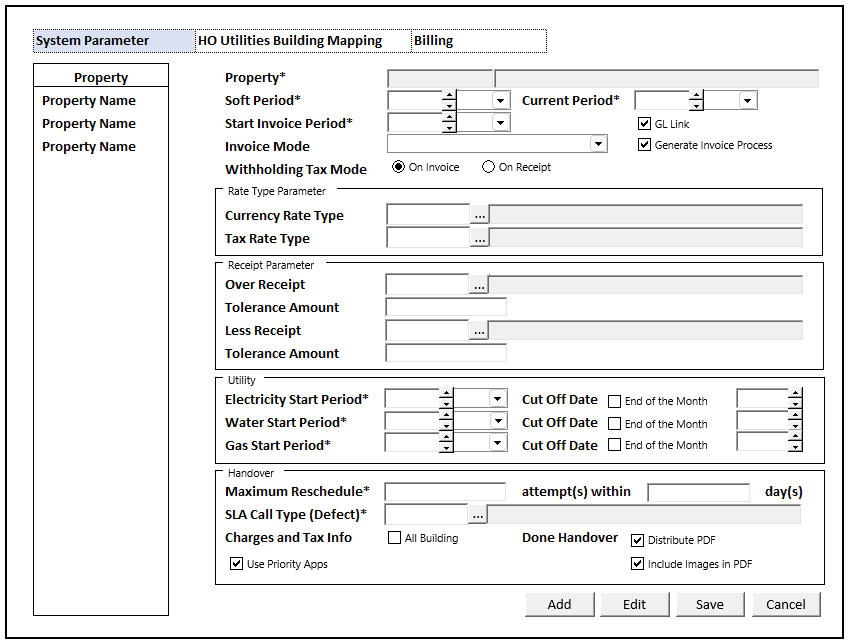
## MAIN FORM

### USER INTERFACE

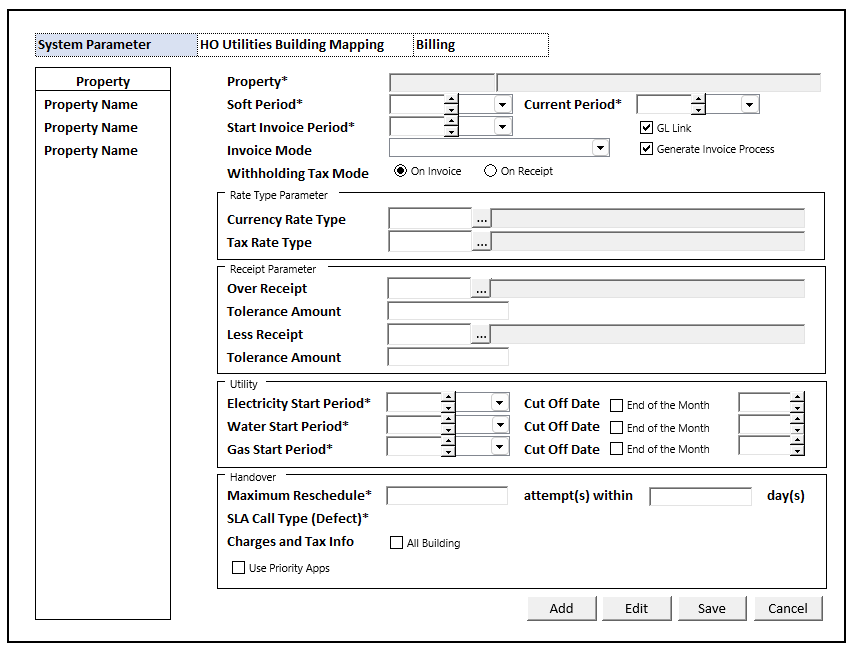
#### [CR05]

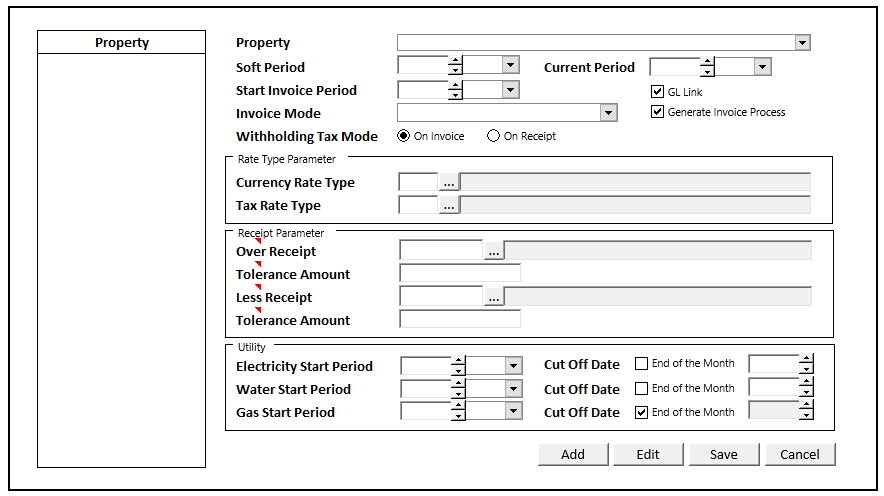


#### [CR04]



#### [CR01]





#### INITIAL VERSION

|  |  |
| --- | --- |
|  | **Test** |
| * Set VAR\_COMPANY\_ID = Login User’s Company ID * Set VAR\_USER\_ID = Login User ID * Set VAR\_LANGUAGE\_ID = Login User’s Language ID * **[CR01]**   ~~Get Property List to Combobox Property [PROPERTY\_LIST]:~~  ~~EXEC RSP\_GS\_GET\_PROPERTY\_LIST ‘VAR\_CCOMPANY\_ID’, ‘VAR\_USER\_ID’~~  ~~Set return into binding source Combobox Property~~   * **[CR01]**   Get Property List to Grid Property [PROPERTY\_LIST]:  EXEC RSP\_GS\_GET\_PROPERTY\_LIST ‘VAR\_CCOMPANY\_ID’, ‘VAR\_USER\_ID’  Set first item as VAR\_SELECTED\_PROPERTY **[CR01]**   * Jalankan RSP\_GS\_GET\_PERIOD\_YEAR\_RANGE dengan parameter, simpan hasil ke VAR\_GSM\_PERIOD   + VAR\_COMPANY\_ID   + ‘’ (Empty String)   + ‘’ (Empty String) * **[CR01]**   ~~Jalankan RSP\_PM\_GET\_SYSTEM\_PARAMETER\_LIST dengan parameter:~~   * + ~~VAR\_COMPANY\_ID~~   + ~~VAR\_USER\_ID~~   ~~Set Return to Grid, Display only CPROPERTY\_NAME on Grid. Default Current to First Record~~  Jika Current Property pada Grid isnot nothing : lakukan DISPLAY PROCESS |  |

### TAB DEFINITION [CR01]

|  |  |  |
| --- | --- | --- |
| **Tab Name** | **Action** | **Enabled** |
| System Parameter  **[CR01]** | Go to TAB SYSTEM PARAMETER | * + NOT on CRUD Mode |
| ~~Utilities Building Mapping~~  **[CR01]**  **[CR05]** | ~~Go to TAB UTILITIES BUILDING MAPPING~~ | * + ~~NOT on CRUD Mode~~   + ~~Selected System Param is not EMPTY~~ |
| Billing  **[CR02]** | Go to TAB BILLING | * + NOT on CRUD Mode   + Selected System Param is not EMPTY |

### BUTTON DEFINITION

|  |  |
| --- | --- |
| **Button Name** | **Action** |
| Add | Untuk masuk pada Add Mode (ADD PROCESS) |
| Edit | Untuk masuk pada Edit Mode (EDIT PROCESS |
| Save | Jalankan SAVE PROCESS |
| Cancel | Untuk Cancel Add atau Edit Mode dan kembali ke Display Mode |

### DISPLAY PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Load Selected Property Data   EXEC RSP\_PM\_GET\_SYSTEM\_PARAMETER\_DETAIL dengan parameter, simpan hasil ke VAR\_SYSTEM\_PARAM:   * + VAR\_COMPANY\_ID   + VAR\_SELECTED\_PROPERTY   + VAR\_USER\_ID   Set VAR\_SYSTEM\_PARAM ke binding source Form. |  |

#### FIELD DEFINITION

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Field** | **Type** | **Validation** |
| ~~Property~~  **[CR01]** | ~~Set Value : CPROPERTY\_ID  Set Display : CPROPERTY\_NAME~~  ~~As Parameter: CPROPERTY\_ID~~ | ~~Combobox~~ | * ~~Mandatory~~ * ~~Get DataSource from [PROPERTY\_LIST]~~ * ~~Add or Edit Mode: IF Combobox Empty~~   + ~~Display message “Please select property !”~~ |
| Property  **[CR01]** | CPROPERTY\_ID  CPROPERTY\_NAME | Textbox | * Mandatory * Always Disabled |
| Soft Period Year | As Parameter: CSOFT\_PERIOD\_YEAR  Set Display : LEFT(CSOFT\_PERIOD,4) | Spinner   * Minimum Value = VAR\_GSM\_PERIOD.IMIN\_YEAR * Minimum Value = VAR\_GSM\_PERIOD.IMAX\_YEAR * Stepping value = 1   Set Default when Add = Year.Today | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM.LENABLED\_PERIOD **[CR01]** * Add or Edit Mode: IF Combobox Empty   + Display message “Please select soft period !” |
| Soft Period Month | As Parameter: CSOFT\_PERIOD\_MONTH  Set Display : RIGHT(CSOFT\_PERIOD,2) | Combobox  Isi combobox dengan RSP\_GS\_GET\_PERIOD\_DT\_LIST dengan parameter:   * VAR\_COMPANY\_ID * Year.Today   Set Item Code=CPERIOD\_NO  Set Item Name=CPERIOD\_NO | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM.LENABLED\_PERIOD **[CR01]** * Default Value = Month.Today * Add or Edit Mode: IF Combobox Empty   + Display message “Please select soft period !” |
| Current Period Year | As Parameter: CCURRENT\_PERIOD\_YEAR  Set Display : LEFT(CCURRENT\_PERIOD,4) | Spinner   * Minimum Value = VAR\_GSM\_PERIOD.IMIN\_YEAR * Minimum Value = VAR\_GSM\_PERIOD.IMAX\_YEAR * Stepping value = 1   Set Default when Add = Year.Today | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM.LENABLED\_PERIOD **[CR01]** * Add or Edit Mode: IF Combobox Empty * Display message “Please select soft period !” |
| Current Period Month | As Parameter: CCURRENT\_PERIOD\_MONTH  Set Display : RIGHT(CCURRENT\_PERIOD,2) | Combobox  Isi combobox dengan RSP\_GS\_GET\_PERIOD\_DT\_LIST dengan parameter:   * VAR\_COMPANY\_ID * Year.Today   Set Item Code=CPERIOD\_NO  Set Item Name=CPERIOD\_NO | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM.LENABLED\_PERIOD **[CR01]** * Default Value = Month.Today * Add or Edit Mode: IF Combobox Empty * Display message “Please select current period !” |
| Start Invoice Period Year | As Parameter: CINV\_PERIOD\_YEAR  Set Display : LEFT(CINV\_PRD,4) | Spinner   * Minimum Value = VAR\_GSM\_PERIOD.IMIN\_YEAR * Minimum Value = VAR\_GSM\_PERIOD.IMAX\_YEAR * Stepping value = 1   Set Default when Add = Year.Today | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM.LENABLED\_PERIOD **[CR01]** * Add or Edit Mode: IF Combobox Empty * Display message “Please select start invoice period !” |
| Start Invoice Month | As Parameter: CINV\_PERIOD\_MONTH  Set Display : RIGHT(CINV\_PRD,2) | Combobox  Isi combobox dengan RSP\_GS\_GET\_PERIOD\_DT\_LIST dengan parameter:   * VAR\_COMPANY\_ID * Year.Today   Set Item Code=CPERIOD\_NO  Set Item Name=CPERIOD\_NO | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM.LENABLED\_PERIOD **[CR01]** * Default Value = Month.Today * Add or Edit Mode: IF Combobox Empty   + Display message “Please select start invoice period !” |
| GL Link  **[CR01]** | * LGLLINK | Checkbox | * Default Value = False |
| Generate Invoice Process  **[CR01]** | * LINV\_PROCESS\_FLAG | Checkbox | * Default Value = False |
| Invoice Mode | CINVOICE\_MODE | Combobox  Isi combobox dengan RSP\_GS\_GET\_GSB\_CODE\_LIST dengan parameter:   * ‘BIMASAKTI’ * VAR\_COMPANY\_ID * ‘\_BS\_GENERATE\_INVOICE\_MODE’ * VAR\_LANG\_ID * ‘’   Set Item Code=CCODE  Set Item Name=CNAME | * Default Value = Invoice |
| Withholding Tax Mode | CWHT\_MODE  As Parameter  IF On Receipt ischeked = True THEN  CWHT\_MODE = ‘R’ ELSE  CWHT\_MODE = ‘I’ | Radio button  IF CWHT\_MODE = ‘R’ THEN  Radio choose: On Receipt  ELSE  Radio choose: On Invoice | * Default Value When Add = On Invoice |
| Currency Rate Type | CCUR\_RATE\_TYPE\_CODE CCUR\_RATE\_TYPE\_DESC  Value: CCUR\_RATE\_TYPE\_CODE | Textbox & Button Lookup | * Currency Rate Desc always disabled * Currency Rate Code & button lookup always enabled(add & edit) * Do Lookup GSL00800 CURRENCY RATE TYPE LOOKUP, Parameter:   + VAR\_COMPANY\_ID   + VAR\_USER\_ID * Set CCUR\_RATE\_TYPE\_CODE = lookup.CRATETYPE\_CODE * Set CCUR\_RATE\_TYPE\_DESC = lookup. CRATETYPE\_DESCRIPTION |
| Tax Rate Type | CTAX\_RATE\_TYPE\_CODE CTAX\_RATE\_TYPE\_DESC  Value: CTAX\_RATE\_TYPE\_CODE | Textbox & Button Lookup | * Tax Rate Desc always disabled * Tax Rate Code & button lookup always enabled (add & edit) * Do Lookup GSL00100 TAX RATE TYPE LOOKUP, Parameter:   + VAR\_COMPANY\_ID   + VAR\_USER\_ID * Set CTAX\_RATE\_TYPE\_CODE = lookup.CTAX\_ID * Set CTAX\_RATE\_TYPE\_DESC = lookup.CTAX\_NAME |
| Over Receipt | COVER\_RECEIPT  COVER\_RECEIPT\_DESC  Value :  COVER\_RECEIPT | Textbox & Button Lookup | * Over Receipt Desc always disabled * Over Receipt & button lookup always enabled (add & edit) * Do Lookup GSL01400 OTHER CHARGES LOOKUP, Parameter:   + VAR\_COMPANY\_ID   + Selected Combobox CPROPERTY\_ID   + ‘**A**’ * Set COVER\_RECEIPT = lookup. * Set COVER\_RECEIPT\_DESC = lookup. |
| Over Tolerance Amount | NOVER\_TOLERANCE\_AMOUNT | Spinner | * Decimal Places 2 |
| Less Receipt | CLESS\_RECEIPT  CLESS\_RECEIPT\_DESC  Value :  CLESS\_RECEIPT | Textbox & Button Lookup | * Less Receipt Desc always disabled * Less Receipt & button lookup always enabled (add & edit) * Do Lookup GSL01400 OTHER CHARGES LOOKUP, Parameter:   + VAR\_COMPANY\_ID   + Selected Combobox CPROPERTY\_ID   + ‘**D**’ * Set CLESS\_RECEIPT = lookup. * Set CLESS\_RECEIPT\_DESC = lookup. |
| Less Tolerance Amount | NLESS\_TOLERANCE\_AMOUNT | Spinner | Decimal Places 2 |
| Electricity Start Period Year | As Parameter: CELECTRIC\_PERIOD\_YEAR  Set Display : LEFT(CELECTRIC\_PERIOD,4) | Spinner   * Minimum Value = VAR\_GSM\_PERIOD.IMIN\_YEAR * Minimum Value = VAR\_GSM\_PERIOD.IMAX\_YEAR * Stepping value = 1   Set Default when Add = Year.Today | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM. LENABLED\_UTILITY\_PERIOD **[CR01]** * Add or Edit Mode: IF Combobox Empty * Display message “Please select electricity start period !” |
| Electricity Start Period Month | As Parameter: CELECTRIC\_PERIOD\_MONTH  Set Display : RIGHT(CELECTRIC\_PERIOD,2) | Combobox  Isi combobox dengan RSP\_GS\_GET\_PERIOD\_DT\_LIST dengan parameter:   * VAR\_COMPANY\_ID * Year.Today   Set Item Code=CPERIOD\_NO  Set Item Name=CPERIOD\_NO | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM. LENABLED\_UTILITY\_PERIOD **[CR01]** * Default Value = Month.Today * Add or Edit Mode: IF Combobox Empty * Display message “Please select electricity start period !” |
| Water Start Period Year | As Parameter: CWATER\_PERIOD\_YEAR  Set Display : LEFT(CWATER\_PERIOD,4) | Spinner   * Minimum Value = VAR\_GSM\_PERIOD.IMIN\_YEAR * Minimum Value = VAR\_GSM\_PERIOD.IMAX\_YEAR * Stepping value = 1   Set Default when Add = Year.Today | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM. LENABLED\_UTILITY\_PERIOD **[CR01]** * Add or Edit Mode: IF Combobox Empty * Display message “Please select Water start period !” |
| Water Start Period Month | As Parameter: CWATER\_PERIOD\_MONTH  Set Display : RIGHT(CWATER\_PERIOD,2) | Combobox  Isi combobox dengan RSP\_GS\_GET\_PERIOD\_DT\_LIST dengan parameter:   * VAR\_COMPANY\_ID * Year.Today   Set Item Code=CPERIOD\_NO  Set Item Name=CPERIOD\_NO | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM. LENABLED\_UTILITY\_PERIOD **[CR01]** * Default Value = Month.Today * Add or Edit Mode: IF Combobox Empty * Display message “Please select Water start period !” |
| Gas Start Period Year | As Parameter: CGAS\_PERIOD\_YEAR  Set Display : LEFT(CGAS\_PERIOD,4) | Spinner   * Minimum Value = VAR\_GSM\_PERIOD.IMIN\_YEAR * Minimum Value = VAR\_GSM\_PERIOD.IMAX\_YEAR * Stepping value = 1   Set Default when Add = Year.Today | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM. LENABLED\_UTILITY\_PERIOD **[CR01]** * Add or Edit Mode: IF Combobox Empty * Display message “Please select Gas start period !” |
| Gas Start Period Month | As Parameter: CGAS\_PERIOD\_MONTH  Set Display : RIGHT(CGAS\_PERIOD,2) | Combobox  Isi combobox dengan RSP\_GS\_GET\_PERIOD\_DT\_LIST dengan parameter:   * VAR\_COMPANY\_ID * Year.Today   Set Item Code=CPERIOD\_NO  Set Item Name=CPERIOD\_NO | * Mandatory * Enabled = VAR\_SYSTEM\_PARAM. LENABLED\_UTILITY\_PERIOD **[CR01]** * Default Value = Month.Today * Add or Edit Mode: IF Combobox Empty   Display message “Please select Gas start period !” |
| Electricity Cut Off Date | LELECTRIC\_END\_MONTH | Checkbox | * Default Value = unchecked * IF Checked THEN   Disabled Electric Date Spinner on the right  Else  Enabled Electric Date Spinner on the right |
| Water Cut Off Date | LWATER\_END\_MONTH | Checkbox | * Default Value = unchecked * IF Checked THEN   Disabled Water Date Spinner on the right  Else  Enabled Water Date Spinner on the right |
| Gas Cut Off Date | LGAS\_END\_MONTH | Checkbox | * Default Value = unchecked * IF Checked THEN   Disabled Gas Date Spinner on the right  Else  Enabled Gas Date Spinner on the right |
| Electricity Cut Off Date Spinner | CELECTRIC\_DATE | Spinner  Min: 1 Max: 31 | * Default Value = unchecked * Enabled When Checkbox Electric End of Month = True (add or edit) * Convert to Char(2) * Ex: 3 => ‘03’ |
| Water Cut Off Date Spinner | CWATER\_DATE | Spinner Min: 1  Max: 31 | * Default Value = unchecked * Enabled When Checkbox water End of Month = True (add or edit) * Convert to Char(2) * Ex: 3 => ‘03’ |
| Gas Cut Off Date Spinner | CGAS\_DATE | Spinner  Min: 1  Max: 31 | * Default Value = unchecked * Enabled When Checkbox GasEnd of Month = True (add or edit) * Convert to Char(2) * Ex: 3 => ‘03’ |
| Maximum Reschedule Attempts  **[CR01]** | IMAX\_ATTEMPTS  Set Display:  attempt(s) within | Spinner  Min: 1 | * Mandatory * No arrows * Decimal Places 0 |
| Maximum Reschedule Days  **[CR01]** | IMAX\_DAYS  Set Display:  day(s) | Spinner  Min: 1 | * Mandatory * No arrows * Decimal Places 0 |
| SLA Call Type (Defect)  **[CR01]** | CCALL\_TYPE\_ID  CCALL\_TYPE\_NAME  Value :  CCALL\_TYPE\_ID | Textbox & Button Lookup | * SLA Call Type Name always disabled * SLA Call Type ID & button lookup always enabled (add & edit) * Do OnLostFocus on SLA Call Type ID Textbox calling **Lookup PML01600 – SLA Call Type**, Parameter:   + VAR\_SELECTED\_PROPERTY. CPROPERTY\_ID   + CCALL\_TYPE\_ID * Do Lookup **PML01600 – SLA Call Type**, Parameter:   + VAR\_SELECTED\_PROPERTY. CPROPERTY\_ID   + ‘’ * Set CCALL\_TYPE\_ID = Lookup.CCALL\_TYPE\_ID * Set CCALL\_TYPE\_NAME = Lookup.CCALL\_TYPE\_NAME |
| ~~Charges and Tax Info~~  **~~[CR01]~~**  **[CR05]** | ~~LALL\_BUILDING~~  ~~Set Display:~~  ~~All Building~~ | ~~Checkbox~~ | * ~~Default Value = checked~~ |
| Use Priority Apps  **[CR01]** | LPRIORITY  Set Display:  Use Priority Apps | Checkbox | * Default Value = unchecked |
| Done Handover  **[CR04]** | LDISTRIBUTE\_PDF  Set Display:  Distribute PDF | Checkbox | Default Value = unchecked |
|  | LINCLUDE\_IMAGE  Set Display:  Includes Images in PDF | Checkbox | Enabled when LDISTRIBUTE\_PDF = true  Default Value = unchecked  IF LDISTRIBUTE\_PDF = false, then set LINCLUDE\_IMAGE = false |

### ADD PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set **VAR\_SAVE\_MODE** = NEW * Enabled fields: All Field Except: “Property Id & Name”, **[CR01]** "All lookup description” * Set focus to column: ~~"Combobox Property Id"~~ “Soft Period Year Spinner” **[CR01]** |  |
| * Proses   + - * + “Save” 🡪 Go to SAVE PROCESS         + “Cancel”🡪 Go to DISPLAY PROCESS |  |

### EDIT PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set **VAR\_SAVE\_MODE** = EDIT * Enabled fields : All Field Except: “Property Id & Name”, **[CR01]** "All lookup description” * Set focus to column: ~~"Combobox Property Id"~~ “Soft Period Year Spinner” **[CR01]** |  |
| * Proses   + - * + “Save” 🡪 Go to SAVE PROCESS         + “Cancel”🡪 Go to DISPLAY PROCESS |  |

### SAVE PROCESS

###### VALIDATION

|  |  |  |
| --- | --- | --- |
| **Field** | **Condition** | **Validation Message** |
| Property | Empty | Please select Property ! |
| Soft Period **[CR01]** | Soft Period Year OR Soft Period Month is Empty | Please fill Soft Period! |
| Current Period **[CR01]** | Current Period Year OR Current Period Month is Empty | Please fill Current Period! |
| Start Invoice Period **[CR01]** | Start Invoice Period Year OR Start Invoice Period Month is Empty | Please fill Start Invoice Period! |
| Electricity Start Period  **[CR01]** | Electricity Start Period Year OR Electricity Start Period Month is Empty | Please fill Electricity Start Period! |
| Electricity Cut Off Date  **[CR01]** | Electricity End of The Month is FALSE and Electricity Cut Off Date Spinner is Empty | Please fill Electricity Cut Off Date! |
| Water Start Period  **[CR01]** | Water Start Period Year OR Water Start Period Month is Empty | Please fill Water Start Period! |
| Water Cut Off Date  **[CR01]** | Water End of The Month is FALSE and Water Cut Off Date Spinner is Empty | Please fill Water Cut Off Date! |
| Gas Start Period  **[CR01]** | Gas Start Period Year OR Gas Start Period Month is Empty | Please fill Gas Start Period! |
| Gas Cut Off Date  **[CR01]** | Gas End of The Month is FALSE and Gas Cut Off Date Spinner is Empty | Please fill Gas Cut Off Date! |
| Maximum Reschedule Days  **[CR01]** | Maximum Reschedule Days (IMAX\_DAYS) is Empty or 0 | Please fill Maximum Reschedule Days! |
| Maximum Reschedule Attempts  **[CR01]** | Maximum Reschedule Attempts (IMAX\_ATTEMPTS) is Empty or 0 | Please fill Maximum Reschedule Attempts! |
| SLA Call Type (Defect)  **[CR01]** | SLA Call Type ID is Empty | Please choose SLA Call Type (Defect)! |

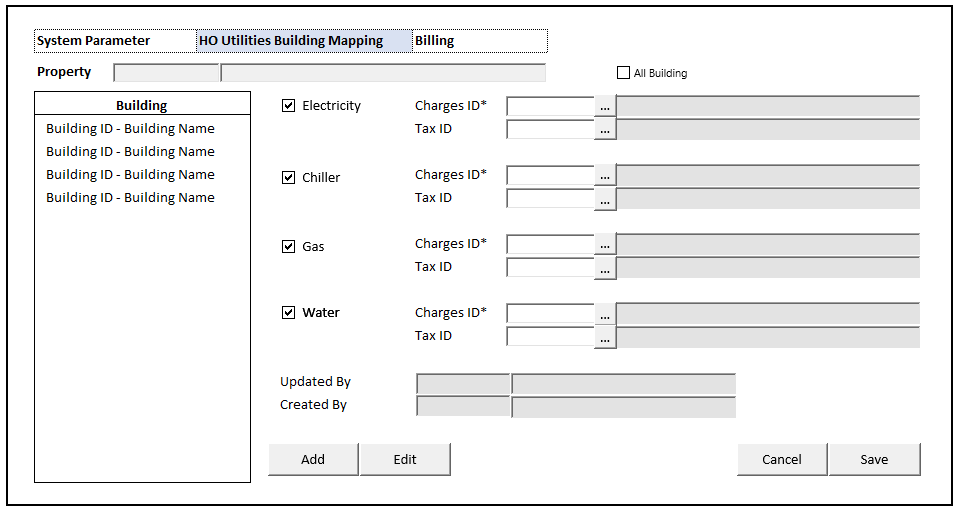
#### ACTION

|  |
| --- |
|  |
| * Jalankan RSP\_PM\_MAINTAIN\_SYSTEM\_PARAMETER dengan parameter   + - VAR\_COMPANY\_ID     - Selected CPROPERTY\_ID     - Selected CSOFT\_PERIOD\_YEAR + Selected CSOFT\_PERIOD\_MONTH (yyyymm)     - Selected CCURRENT\_PERIOD\_YEAR + Selected CCURRENT\_PERIOD\_MONTH (yyyymm)     - Selected CINV\_PERIOD\_YEAR + Selected CINV\_PERIOD\_MONTH (yyyymm)     - Selected LGLLINK **[CR01]**     - Selected LINV\_PROCESS\_FLAG **[CR01]**     - Selected CINVOICE\_MODE     - Selected CWHT\_MODE     - Selected CCUR\_RATE\_TYPE\_CODE     - Selected CTAX\_RATE\_TYPE\_CODE     - Selected COVER\_RECEIPT     - Selected NOVER\_TOLERANCE\_AMOUNT     - Selected CLESS\_RECEIPT     - Selected NLESS\_TOLERANCE\_AMOUNT     - Selected CELECTRIC\_PERIOD\_YEAR + Selected CELECTRIC\_PERIOD\_MONTH(yyyymm)     - Selected CWATER\_PERIOD\_YEAR + Selected CWATER\_PERIOD\_MONTH(yyyymm)     - Selected CGAS\_PERIOD\_YEAR + Selected CGAS\_PERIOD\_MONTH(yyyymm)     - Selected LELECTRIC\_END\_MONTH     - Selected LWATER\_END\_MONTH     - Selected LGAS\_END\_MONTH     - Selected CELECTRIC\_DATE     - Selected CWATER\_DATE     - Selected CGAS\_DATE     - ~~Selected LALL\_BUILDING~~ **~~[CR01]~~ [CR05]**     - TRUE **[CR05]**     - Selected IMAX\_DAYS **[CR01]**     - Selected IMAX\_ATTEMPTS **[CR01]**     - Selected CCALL\_TYPE\_ID **[CR01]**     - Selected LPRIORITY **[CR01]**     - Selected LPRIORITY **[CR01]**     - Selected LDISTRIBUTE\_PDF **[CR04]**     - Selected LINCLUDE\_IMAGES **[CR04]**     - VAR\_SAVE\_MODE     - VAR\_USER\_ID |

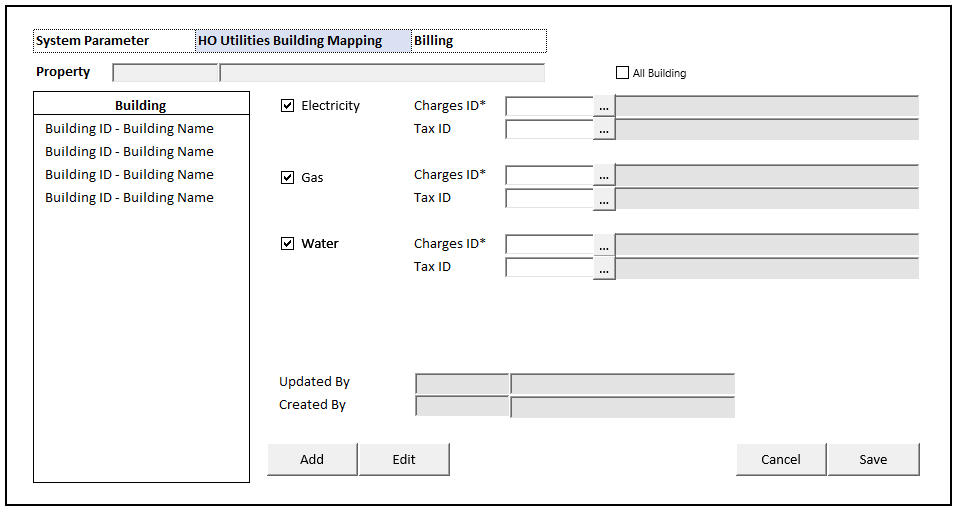
## ~~TAB HO UTILITIES BUILDING MAPPING~~

### ~~USER INTERFACE~~

#### ~~[CR03]~~

~~~~

#### ~~INITIAL VERSION~~

~~~~

### ~~INPUT PARAMETER~~

|  |  |
| --- | --- |
| **~~Parameter Name~~** | **~~Description~~** |
| ~~PARAM\_PROPERTY\_ID~~ | ~~VAR\_SELECTED\_PROPERTY.CPROPERTY\_ID from TAB SYSTEM PARAMETER~~ |
| ~~PARAM\_PROPERTY\_NAME~~ | ~~VAR\_SELECTED\_PROPERTY.CPROPERTY\_NAME from TAB SYSTEM PARAMETER~~ |
| ~~PARAM\_ALL\_BUILDING~~ | ~~Selected System Param LALL\_BUILDING from TAB SYSTEM PARAMETER~~ |

### ~~INITIAL PROCESS~~

|  |  |
| --- | --- |
|  | **~~Test~~** |
| * **~~Load Building List~~**   ~~Jalankan RSP\_GS\_GET\_BUILDING\_LIST dengan parameter, simpan hasil ke VAR\_BUILDING dan VAR\_SELECTED\_BUILDING~~   * + ~~VAR\_COMPANY\_ID~~   + ~~VAR\_SELECTED\_PROPERTY.CPROPERTY\_ID~~   + ~~VAR\_USER\_ID~~   **~~IF PARAM\_ALL\_BUILDING = FALSE~~**   * **~~Load Building Utilities~~**   ~~Jalankan RSP\_PM\_GET\_BUILDING\_UTILITIES dengan parameter, simpan hasil ke VAR\_UTILITIES~~   * + ~~VAR\_COMPANY\_ID~~   + ~~VAR\_SELECTED\_PROPERTY.CPROPERTY\_ID~~   + ~~VAR\_SELECTED\_BUILDING.CBUILDING\_ID~~   **~~IF PARAM\_ALL\_BUILDING = TRUE~~**   * ~~Set~~ **~~VAR\_SELECTED\_BUILDING~~** ~~= ‘’~~ * **~~Load Building Utilities~~**   ~~Jalankan RSP\_PM\_GET\_BUILDING\_UTILITIES dengan parameter, simpan hasil ke VAR\_UTILITIES~~   * + ~~VAR\_COMPANY\_ID~~   + ~~VAR\_SELECTED\_PROPERTY.CPROPERTY\_ID~~   + ~~‘’~~ |  |

### ~~BUTTON DEFINITION~~

|  |  |  |
| --- | --- | --- |
| **~~Button Name~~** | **~~Action~~** | **~~Enabled~~** |
| ~~Add~~ | ~~Jalankan ADD NEW PROCESS~~ | * + ~~NOT on CRUD Mode~~   + ~~VAR\_UTILITIES is EMPTY~~ |
| ~~Edit~~ | ~~Jalankan EDIT PROCESS~~ | * + ~~NOT on CRUD Mode~~   + ~~VAR\_UTILITIES is not EMPTY~~ |
| ~~Cancel~~ | ~~Go to DISPLAY PROCESS~~ | * + ~~On CRUD Mode~~ |
| ~~Save~~ | ~~Jalankan SAVE & VALIDATION PROCESS~~ | * + ~~On CRUD Mode~~ |

### ~~ROLES~~

|  |  |
| --- | --- |
|  | **~~Test~~** |
| * ~~User yg punya akses ke program~~ |  |

### ~~DISPLAY PROCESS~~

#### ~~FIELD DEFINITION~~

|  |  |  |  |
| --- | --- | --- | --- |
| **~~Name~~** | **~~Field~~** | **~~Type~~** | **~~Validation~~** |
| ~~Property~~ | ~~PARAM\_PROPERTY\_ID~~ | ~~Textbox, Disabled~~ |  |
|  | ~~PARAM\_PROPERTY\_NAME~~ | ~~Textbox, Disabled~~ |  |
| ~~All Building~~ | ~~PARAM\_ALL\_BUILDING~~ | ~~Checkbox, Disabled~~ |  |
| **~~Building List Grid~~** |  | **~~Data:~~** ~~VAR\_BUILDING~~ | ~~Allow: -~~  ~~ViewOnly~~  ~~Enabled:~~  ~~All Building is~~ **~~UNCHECKED~~**  ~~On Selected Changed,~~  ~~Set~~ **~~VAR\_SELECTED\_BUILDING~~** ~~= Selected row data~~  **~~Load Building Utilities~~**  ~~Jalankan RSP\_PM\_GET\_BUILDING\_UTILITIES dengan parameter:~~   * + ~~VAR\_COMPANY\_ID~~   + ~~VAR\_SELECTED\_PROPERTY.CPROPERTY\_ID~~   + ~~VAR\_SELECTED\_BUILDING.CBUILDING\_ID~~   ~~Simpan hasil ke~~ **~~VAR\_UTILITIES~~** |
| ~~Building~~ | ~~CBUILDING\_ID – CBUILDING\_NAME~~ | ~~Textbox, Disabled~~ |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **~~Display Form~~** |  | **~~Data~~**~~: VAR\_UTILITIES~~ |  |
| ~~Electricity~~ | ~~LELECTRICITY~~ | ~~Checkbox, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~On Unchecked, delete:~~  ~~CELECTRICITY\_CHARGES\_ID, CELECTRICITY\_CHARGES\_NAME, LELECTRICITY\_CHARGES\_TAXABLE,~~  ~~CELECTRICITY\_TAX\_ID,  CELECTRICITY\_TAX\_NAME~~ |
| ~~Charges ID~~ | ~~CELECTRICITY\_CHARGES\_ID~~ | ~~Textbox, Disabled, Required~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Electricity is CHECKED~~  ~~On Lost Focus~~  ~~Go to 🡪 CHARGES ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CELECTRICITY\_CHARGES\_ID, CELECTRICITY\_CHARGES\_NAME, LELECTRICITY\_CHARGES\_TAXABLE~~ |
| ~~Lookup, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Electricity is CHECKED~~  ~~On Lookup Button clicked:~~  ~~Go to 🡪 CHARGES ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CELECTRICITY\_CHARGES\_ID, CELECTRICITY\_CHARGES\_NAME, LELECTRICITY\_CHARGES\_TAXABLE~~ |
| ~~CELECTRICITY\_CHARGES\_NAME~~ | ~~Textbox, Disabled~~ |  |
| ~~LELECTRICITY\_CHARGES\_TAXABLE~~ | ~~Hidden~~ | ~~On value change,~~  ~~If FALSE, delete:~~  ~~CELECTRICITY\_TAX\_ID, CELECTRICITY\_TAX\_NAME~~ |
| ~~Tax ID~~ | ~~CELECTRICITY\_TAX\_ID~~ | ~~Textbox, Disabled, Required~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Electricity is CHECKED~~  ~~LELECTRICITY\_CHARGES\_TAXABLE is TRUE~~  ~~On Lost Focus~~  ~~Go to 🡪 TAX ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CELECTRICITY\_TAX\_ID, CELECTRICITY\_TAX\_NAME~~ |
| ~~Lookup, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Electricity is CHECKED~~  ~~LELECTRICITY\_CHARGES\_TAXABLE is TRUE~~  ~~On Lookup Button clicked:~~  ~~Go to 🡪 TAX ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CELECTRICITY\_TAX\_ID, CELECTRICITY\_TAX\_NAME~~ |
| ~~CELECTRICITY\_TAX\_NAME~~ | ~~Textbox, Disabled~~ |  |
|  |  |  |  |
| ~~Chiller~~  **~~[CR03]~~** | ~~LCHILLER~~ | ~~Checkbox, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~On Unchecked, delete:~~  ~~CCHILLER\_CHARGES\_ID, CCHILLER\_CHARGES\_NAME, LCHILLER\_CHARGES\_TAXABLE,~~  ~~CCHILLER\_TAX\_ID,  CCHILLER\_TAX\_NAME~~ |
| ~~Charges ID~~  **~~[CR03]~~** | ~~CCHILLER\_CHARGES\_ID~~ | ~~Textbox, Disabled, Required~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Chiller is CHECKED~~  ~~On Lost Focus~~  ~~Go to 🡪 CHARGES ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CCHILLER\_CHARGES\_ID, CCHILLER\_CHARGES\_NAME, LCHILLER\_CHARGES\_TAXABLE~~ |
| ~~Lookup, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Chiller is CHECKED~~  ~~On Lookup Button clicked:~~  ~~Go to 🡪 CHARGES ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CCHILLER\_CHARGES\_ID, CCHILLER\_CHARGES\_NAME, LCHILLER\_CHARGES\_TAXABLE~~ |
| ~~CCHILLER\_CHARGES\_NAME~~ | ~~Textbox, Disabled~~ |  |
| ~~LCHILLER\_CHARGES\_TAXABLE~~ | ~~Hidden~~ | ~~On value change,~~  ~~If FALSE, delete:~~  ~~CCHILLER\_TAX\_ID, CCHILLER\_TAX\_NAME~~ |
| ~~Tax ID~~  **~~[CR03]~~** | ~~CCHILLER\_TAX\_ID~~ | ~~Textbox, Disabled, Required~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Chiller is CHECKED~~  ~~LCHILLER\_CHARGES\_TAXABLE is TRUE~~  ~~On Lost Focus~~  ~~Go to 🡪 TAX ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CCHILLER\_TAX\_ID, CCHILLER\_TAX\_NAME~~ |
| ~~Lookup, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Chiller is CHECKED~~  ~~LCHILLER\_CHARGES\_TAXABLE is TRUE~~  ~~On Lookup Button clicked:~~  ~~Go to 🡪 TAX ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CCHILLER\_TAX\_ID, CCHILLER\_TAX\_NAME~~ |
| ~~CCHILLER\_TAX\_NAME~~ | ~~Textbox, Disabled~~ |  |
|  |  |  |  |
| ~~Gas~~ | ~~LGAS~~ | ~~Checkbox, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~On Unchecked, delete:~~  ~~CGAS\_CHARGES\_ID, CGAS\_CHARGES\_NAME, LGAS\_CHARGES\_TAXABLE,  CGAS\_TAX\_ID,  CGAS\_TAX\_NAME~~ |
| ~~Charges ID~~ | ~~CGAS\_CHARGES\_ID~~ | ~~Textbox, Disabled, Required~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Gas is CHECKED~~  ~~On Lost Focus~~  ~~Go to 🡪 CHARGES ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CGAS\_CHARGES\_ID, CGAS\_CHARGES\_NAME, LGAS\_CHARGES\_TAXABLE~~ |
| ~~Lookup, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Gas is CHECKED~~  ~~On Lookup Button clicked:~~  ~~Go to 🡪 CHARGES ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CGAS\_CHARGES\_ID, CGAS\_CHARGES\_NAME, LGAS\_CHARGES\_TAXABLE~~ |
| ~~CGAS\_CHARGES\_NAME~~ | ~~Textbox, Disabled~~ |  |
| ~~LGAS\_CHARGES\_TAXABLE~~ | ~~Hidden~~ | ~~On value change,~~  ~~If FALSE, delete:~~  ~~CGAS\_TAX\_ID, CGAS\_TAX\_NAME~~ |
| ~~Tax ID~~ | ~~CGAS\_TAX\_ID~~ | ~~Textbox, Disabled, Required~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Gas is CHECKED~~  ~~LGAS\_CHARGES\_TAXABLE is TRUE~~  ~~On Lost Focus~~  ~~Go to 🡪 TAX ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CGAS\_TAX\_ID, CGAS\_TAX\_NAME~~ |
| ~~Lookup, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Gas is CHECKED~~  ~~LGAS\_CHARGES\_TAXABLE is TRUE~~  ~~On Lookup Button clicked:~~  ~~Go to 🡪 TAX ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CGAS\_TAX\_ID, CGAS\_TAX\_NAME~~ |
| ~~CGAS\_TAX\_NAME~~ | ~~Textbox, Disabled~~ |  |
|  |  |  |  |
| ~~Water~~ | ~~LWATER~~ | ~~Checkbox, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~On Unchecked, delete:~~  ~~CWATER\_CHARGES\_ID, CWATER\_CHARGES\_NAME, LWATER\_CHARGES\_TAXABLE CWATER\_TAX\_ID,~~  ~~CWATER\_TAX\_NAME~~ |
| ~~Charges ID~~ | ~~CWATER\_CHARGES\_ID~~ | ~~Textbox, Disabled, Required~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Water is CHECKED~~  ~~On Lost Focus~~  ~~Go to 🡪 CHARGES ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CWATER\_CHARGES\_ID, CWATER\_CHARGES\_NAME, LWATER\_CHARGES\_TAXABLE~~ |
| ~~Lookup, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Water is CHECKED~~  ~~On Lookup Button clicked:~~  ~~Go to 🡪 CHARGES ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CWATER\_CHARGES\_ID, CWATER\_CHARGES\_NAME, LWATER\_CHARGES\_TAXABLE~~ |
| ~~CWATER\_CHARGES\_NAME~~ | ~~Textbox, Disabled~~ |  |
| ~~LWATER\_CHARGES\_TAXABLE~~ | ~~Hidden~~ | ~~On value change,~~  ~~If FALSE, delete:~~  ~~CWATER\_TAX\_ID, CWATER\_TAX\_NAME~~ |
| ~~Tax ID~~ | ~~CWATER\_TAX\_ID~~ | ~~Textbox, Disabled, Required~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Water is CHECKED~~  ~~LWATER\_CHARGES\_TAXABLE is TRUE~~  ~~On Lost Focus~~  ~~Go to 🡪 TAX ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CWATER\_TAX\_ID, CWATER\_TAX\_NAME~~ |
| ~~Lookup, Disabled~~ | ~~Enabled:~~  ~~on ADD & EDIT~~  ~~Water is CHECKED~~  ~~LWATER\_CHARGES\_TAXABLE is TRUE~~  ~~On Lookup Button clicked:~~  ~~Go to 🡪 TAX ID LOOKUP PROCESS~~  ~~On value change, update:~~  ~~CWATER\_TAX\_ID, CWATER\_TAX\_NAME~~ |
| ~~CWATER\_TAX\_NAME~~ | ~~Textbox, Disabled~~ |  |
|  |  |  |  |
| ~~Updated By~~ | ~~CUPDATE\_BY~~ | ~~Textbox, Disabled~~ |  |
|  | ~~DUPDATE\_DATE~~ | ~~DateTimePicker, Disabled~~ |  |
| ~~Created By~~ | ~~CCREATE\_BY~~ | ~~Textbox, Disabled~~ |  |
|  | ~~DCREATE\_DATE~~ | ~~DateTimePicker, Disabled~~ |  |

### ~~ADD NEW PROCESS~~

#### ~~ACTION~~

|  |
| --- |
|  |
| * ~~Set~~ **~~VAR\_SAVE\_MODE~~** ~~= ‘ADD’~~ * ~~Enabled Fields: ‘Electricity’, ‘Electricity Charges ID’, ‘Electricity Tax ID’, ‘Gas’, ‘Gas Charges ID’, ‘Gas Tax ID’, ‘Water’, ‘Water Charges ID’, ‘Water Tax ID’,  ‘Chiller’, ‘Chiller Charges ID’, ‘Chiller Tax ID’~~ **~~[CR03]~~** * ~~Set focus to column: ‘Electricity’~~ |
| * ~~Proses:~~   + ~~‘Save’ 🡪 Go To SAVE & VALIDATION PROCESS~~   + ~~‘Cancel’ 🡪 Go To DISPLAY PROCESS~~ |

### ~~EDIT PROCESS~~

#### ~~ACTION~~

|  |
| --- |
|  |
| * ~~Set~~ **~~VAR\_SAVE\_MODE~~** ~~= ‘EDIT’~~ * ~~Enabled Fields: ‘Electricity’, ‘Electricity Charges ID’, ‘Electricity Tax ID’, ‘Gas’, ‘Gas Charges ID’, ‘Gas Tax ID’, ‘Water’, ‘Water Charges ID’, ‘Water Tax ID’ ‘Chiller’, ‘Chiller Charges ID’, ‘Chiller Tax ID’~~ **~~[CR03]~~** * ~~Set focus to column: ‘Electricity’~~ |
| * ~~Proses:~~   + ~~‘Save’ 🡪 Go To SAVE & VALIDATION PROCESS~~   + ~~‘Cancel’ 🡪 Go To DISPLAY PROCESS~~ |

### ~~SAVE & VALIDATION PROCESS~~

#### ~~VALIDATION~~

|  |  |  |
| --- | --- | --- |
| **~~Field~~** | **~~Condition~~** | **~~Validation Message~~** |
| ~~Electricity Charges ID~~ | ~~Electricity is checked and Empty~~ | ~~Please fill Electricity Charges ID!~~ |
| ~~Electricity Tax ID~~ | ~~Electricity Charges ID is taxable and Empty~~ | ~~Please fill Electricity Tax ID!~~ |
| ~~Chiller Charges ID~~ **~~[CR03]~~** | ~~Chiller is checked and Empty~~ | ~~Please fill Chiller Charges ID!~~ |
| ~~Chiller Tax ID~~ **~~[CR03]~~** | ~~Chiller Charges ID is taxable and Empty~~ | ~~Please fill Chiller Tax ID!~~ |
| ~~Gas Charges ID~~ | ~~Gas is checked and Empty~~ | ~~Please fill Gas Charges ID!~~ |
| ~~Gas Tax ID~~ | ~~Gas Charges ID is taxable and Empty~~ | ~~Please fill Gas Tax ID!~~ |
| ~~Water Charges ID~~ | ~~Water is checked Empty~~ | ~~Please fill Water Charges ID!~~ |
| ~~Water Tax ID~~ | ~~Water Charges ID is taxable and Empty~~ | ~~Please fill Water Tax ID!~~ |

#### ~~ACTION~~

|  |
| --- |
|  |
| * **~~Validate~~** ~~(See VALIDATION table)~~   ~~IF Success, jalankan Save Building Utilities~~  ~~IF Failed, stay on Add/Edit Process~~   * **~~Save Building Utilities~~**   ~~Jalankan RSP\_PM\_MAINTAIN\_BUILDING\_UTILITIES dengan parameter,~~  ~~@CCOMPANY\_ID = VAR\_COMPANY\_ID~~  ~~@CPROPERTY\_ID = VAR\_SELECTED\_PROPERTY.CPROPERTY\_ID~~  ~~@CBUILDING\_ID = IF PARAM\_ALL\_BUILDING = TRUE THEN ‘’~~  ~~ELSE IF PARAM\_ALL\_BUILDING = FALSE THEN VAR\_SELECTED\_BUILDING.CBUILDING\_ID~~  ~~@LALL\_BUILDING = PARAM\_ALL\_BUILDING~~  ~~@LELECTRICITY = 'Electricity'~~  ~~@CELECTRICITY\_CHARGES\_ID = 'Electricity Charges ID'~~  ~~@CELECTRICITY\_TAX\_ID = 'Electricity Tax ID'~~  ~~@LCHILLER = 'Chiller'~~ **~~[CR03]~~**  ~~@CCHILLER\_CHARGES\_ID = 'Chiller Charges ID'~~**~~[CR03]~~**  ~~@CCHILLER\_TAX\_ID = 'Chiller Tax ID'~~**~~[CR03]~~**  ~~@LGAS = 'Gas'~~  ~~@CGAS\_CHARGES\_ID = 'Gas Charges ID'~~  ~~@CGAS\_TAX\_ID = 'Gas Tax ID'~~  ~~@LWATER = 'Water'~~  ~~@CWATER\_CHARGES\_ID = 'Water Charges ID'~~  ~~@CWATER\_TAX\_ID = 'Water Tax ID'~~  ~~@CACTION = VAR\_SAVE\_MODE~~  ~~@CUSER\_ID = VAR\_USER\_ID~~ |
| * ~~Go to DISPLAY PROCESS~~ |

### ~~CHARGES ID LOOKUP PROCESS~~

#### ~~ON LOST FOCUS~~

##### ~~PARAMETER~~

|  |  |
| --- | --- |
| **~~Parameter Name~~** | **~~Description~~** |
| ~~CCOMPANY\_ID~~ | ~~VAR\_COMPANY\_ID~~ |
| ~~CPROPERTY\_ID~~ | ~~VAR\_SELECTED\_PROPERTY.CPROPERTY\_ID from TAB SYSTEM PARAMETER~~ |
| ~~CCHARGES\_TYPE\_ID~~ | ~~Charges ID field’s Value~~ |
| ~~CUSER\_ID~~ | ~~VAR\_USER\_ID~~ |
| ~~CTAXABLE\_TYPE~~ | ~~0~~ |
| ~~CACTIVE\_TYPE~~ | ~~1~~ |

##### ~~ACTION~~

|  |
| --- |
|  |
| * ~~Run~~ **~~PML00400 – UTILITY CHARGES LOOKUP~~** ~~dengan parameter:~~   + ~~CCOMPANY\_ID~~   + ~~CPROPERTY\_ID~~   + ~~CCHARGES\_TYPE\_ID~~   + ~~CUSER\_ID~~   + ~~CTAXABLE\_TYPE~~   + ~~CACTIVE\_TYPE~~ * ~~Display Form stay on CRUD MODE~~ * ~~Set Display Form~~   + ~~IF from~~ **~~Electricity Charges ID~~** ~~field~~   ~~CELECTRICITY\_CHARGES\_ID = LOOKUP\_RETURN\_VALUE.CCHARGES\_ID~~  ~~CELECTRICITY\_CHARGES\_NAME = LOOKUP\_RETURN\_VALUE.CCHARGES\_NAME~~  ~~LELECTRICITY\_CHARGES\_TAXABLE = LOOKUP\_RETURN\_VALUE.LTAXABLE~~   * + ~~IF from~~ **~~Chiller Charges ID~~** ~~field~~   ~~CCHILLER\_CHARGES\_ID = LOOKUP\_RETURN\_VALUE.CCHARGES\_ID~~ **~~[CR03]~~**  ~~CCHILLER\_CHARGES\_NAME = LOOKUP\_RETURN\_VALUE.CCHARGES\_NAME~~ **~~[CR03]~~**  ~~LCHILLER\_CHARGES\_TAXABLE = LOOKUP\_RETURN\_VALUE.LTAXABLE~~ **~~[CR03]~~**   * + ~~IF from~~ **~~Gas Charges ID~~** ~~field~~   ~~CGAS\_CHARGES\_ID = LOOKUP\_RETURN\_VALUE.CCHARGES\_ID~~  ~~CGAS\_CHARGES\_NAME = LOOKUP\_RETURN\_VALUE.CCHARGES\_NAME~~  ~~LGAS\_CHARGES\_TAXABLE = LOOKUP\_RETURN\_VALUE.LTAXABLE~~   * + ~~IF from~~ **~~Water Charges ID~~** ~~field~~   ~~CWATER\_CHARGES\_ID = LOOKUP\_RETURN\_VALUE.CCHARGES\_ID~~  ~~CWATER\_CHARGES\_NAME = LOOKUP\_RETURN\_VALUE.CCHARGES\_NAME~~  ~~LWATER\_CHARGES\_TAXABLE = LOOKUP\_RETURN\_VALUE.LTAXABLE~~ |
|  |

#### ~~BEFORE OPEN LOOKUP~~

##### ~~PARAMETER~~

|  |  |
| --- | --- |
| **~~Parameter Name~~** | **~~Description~~** |
| ~~CCOMPANY\_ID~~ | ~~VAR\_COMPANY\_ID~~ |
| ~~CPROPERTY\_ID~~ | ~~VAR\_SELECTED\_PROPERTY.CPROPERTY\_ID from TAB SYSTEM PARAMETER~~ |
| ~~CCHARGES\_TYPE\_ID~~ | ~~‘’~~ |
| ~~CUSER\_ID~~ | ~~VAR\_USER\_ID~~ |
| ~~CTAXABLE\_TYPE~~ | ~~0~~ |
| ~~CACTIVE\_TYPE~~ | ~~1~~ |

##### ~~ACTION~~

|  |
| --- |
|  |
| * ~~Run~~ **~~PML00400 – UTILITY CHARGES LOOKUP~~** ~~dengan parameter:~~   + ~~CCOMPANY\_ID~~   + ~~CPROPERTY\_ID~~   + ~~CCHARGES\_TYPE\_ID~~   + ~~CUSER\_ID~~   + ~~CTAXABLE\_TYPE~~   + ~~CACTIVE\_TYPE~~ |
|  |

#### ~~AFTER OPEN LOOKUP~~

##### ~~CANCEL PROCESS~~

###### ~~ACTION~~

|  |
| --- |
|  |
| * ~~Close this POPUP~~ * ~~Display Form stay on CRUD MODE~~ |
|  |

##### ~~LOOKUP SELECT DATA PROCESS~~

###### ~~ACTION~~

|  |
| --- |
|  |
| * ~~Close lookup~~ * ~~Display Form stay on CRUD MODE~~ * ~~Set Display Form~~   + ~~IF from~~ **~~Electricity Charges ID~~** ~~field~~   ~~CELECTRICITY\_CHARGES\_ID = LOOKUP\_RETURN\_VALUE.CCHARGES\_ID~~  ~~CELECTRICITY\_CHARGES\_NAME = LOOKUP\_RETURN\_VALUE.CCHARGES\_NAME~~  ~~LELECTRICITY\_CHARGES\_TAXABLE = LOOKUP\_RETURN\_VALUE.LTAXABLE~~   * + ~~IF from~~ **~~Chiller Charges ID~~** ~~field~~   ~~CCHILLER\_CHARGES\_ID = LOOKUP\_RETURN\_VALUE.CCHARGES\_ID~~ **~~[CR03]~~**  ~~CCHILLER\_CHARGES\_NAME = LOOKUP\_RETURN\_VALUE.CCHARGES\_NAME~~ **~~[CR03]~~**  ~~LCHILLER\_CHARGES\_TAXABLE = LOOKUP\_RETURN\_VALUE.LTAXABLE~~ **~~[CR03]~~**   * + ~~IF from~~ **~~Gas Charges ID~~** ~~field~~   ~~CGAS\_CHARGES\_ID = LOOKUP\_RETURN\_VALUE.CCHARGES\_ID~~  ~~CGAS\_CHARGES\_NAME = LOOKUP\_RETURN\_VALUE.CCHARGES\_NAME~~  ~~LGAS\_CHARGES\_TAXABLE = LOOKUP\_RETURN\_VALUE.LTAXABLE~~   * + ~~IF from~~ **~~Water Charges ID~~** ~~field~~   ~~CWATER\_CHARGES\_ID = LOOKUP\_RETURN\_VALUE.CCHARGES\_ID~~  ~~CWATER\_CHARGES\_NAME = LOOKUP\_RETURN\_VALUE.CCHARGES\_NAME~~  ~~LWATER\_CHARGES\_TAXABLE = LOOKUP\_RETURN\_VALUE.LTAXABLE~~ |
|  |

#### ~~TAX ID LOOKUP PROCESS~~

#### ~~ON LOST FOCUS~~

##### ~~PARAMETER~~

|  |  |
| --- | --- |
| **~~Parameter Name~~** | **~~Description~~** |
| ~~CCOMPANY\_ID~~ | ~~VAR\_COMPANY\_ID~~ |
| ~~CUSER\_ID~~ | ~~VAR\_USER\_ID~~ |
| ~~CTAX\_ID~~ | ~~Tax ID field’s Value~~ |

##### ~~ACTION~~

|  |
| --- |
|  |
| * ~~Run~~ **~~GSL00100 – TAX LOOKUP~~** ~~dengan parameter:~~   + ~~CCOMPANY\_ID~~   + ~~CUSER\_ID~~   + ~~CTAX\_ID~~ * ~~Display Form stay on CRUD MODE~~ * ~~Set Display Form~~   + ~~IF from~~ **~~Electricity Tax ID~~** ~~field~~   ~~CELECTRICITY\_TAX\_ID = LOOKUP\_RETURN\_VALUE.CTAX\_ID~~  ~~CELECTRICITY\_TAX\_NAME = LOOKUP\_RETURN\_VALUE.CTAX\_NAME~~   * + ~~IF from~~ **~~Chiller Tax ID~~** ~~field~~   ~~CCHILLER\_TAX\_ID = LOOKUP\_RETURN\_VALUE.CTAX\_ID~~ **~~[CR03]~~**  ~~CCHILLER\_TAX\_NAME = LOOKUP\_RETURN\_VALUE.CTAX\_NAME~~ **~~[CR03]~~**   * + ~~IF from~~ **~~Gas Tax ID~~** ~~field~~   ~~CGAS\_TAX\_ID = LOOKUP\_RETURN\_VALUE.CTAX\_ID~~  ~~CGAS\_TAX\_NAME = LOOKUP\_RETURN\_VALUE.CTAX\_NAME~~   * + ~~IF from~~ **~~Water Tax ID~~** ~~field~~   ~~CWATER\_TAX\_ID = LOOKUP\_RETURN\_VALUE.CTAX\_ID~~  ~~CWATER\_TAX\_NAME = LOOKUP\_RETURN\_VALUE.CTAX\_NAME~~ |
|  |

#### ~~BEFORE OPEN LOOKUP~~

##### ~~PARAMETER~~

|  |  |
| --- | --- |
| **~~Parameter Name~~** | **~~Description~~** |
| ~~CCOMPANY\_ID~~ | ~~VAR\_COMPANY\_ID~~ |
| ~~CUSER\_ID~~ | ~~VAR\_USER\_ID~~ |
| ~~CTAX\_ID~~ | ~~‘’~~ |

##### ~~ACTION~~

|  |
| --- |
|  |
| * ~~Run~~ **~~GSL00100 – TAX LOOKUP~~** ~~dengan parameter:~~   + ~~CCOMPANY\_ID~~   + ~~CUSER\_ID~~   + ~~CTAX\_ID~~ |
|  |

#### ~~AFTER OPEN LOOKUP~~

##### ~~CANCEL PROCESS~~

###### ~~ACTION~~

|  |
| --- |
|  |
| * ~~Close this POPUP~~ * ~~Display Form stay on CRUD MODE~~ |
|  |

##### ~~LOOKUP SELECT DATA PROCESS~~

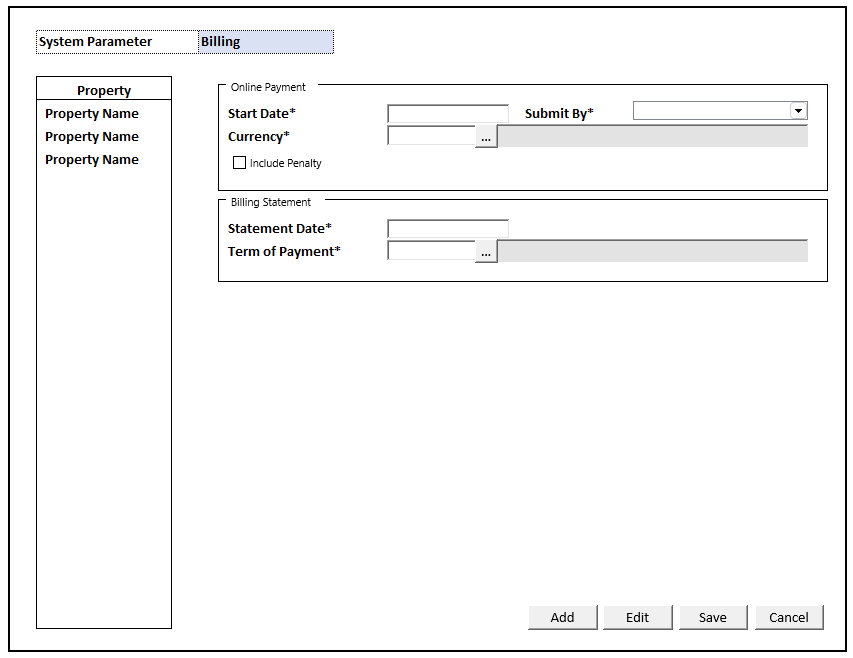
###### ~~ACTION~~

|  |
| --- |
|  |
| * ~~Close lookup~~ * ~~Display Form stay on CRUD MODE~~ * ~~Set Display Form~~   + ~~IF from~~ **~~Electricity Tax ID~~** ~~field~~   ~~CELECTRICITY\_TAX\_ID = LOOKUP\_RETURN\_VALUE.CTAX\_ID~~  ~~CELECTRICITY\_TAX\_NAME = LOOKUP\_RETURN\_VALUE.CTAX\_NAME~~   * + ~~IF from~~ **~~Chiller Tax ID~~** ~~field~~   ~~CCHILLER\_TAX\_ID = LOOKUP\_RETURN\_VALUE.CTAX\_ID~~ **~~[CR03]~~**  ~~CCHILLER\_TAX\_NAME = LOOKUP\_RETURN\_VALUE.CTAX\_NAME~~ **~~[CR03]~~**   * + ~~IF from~~ **~~Gas Tax ID~~** ~~field~~   ~~CGAS\_TAX\_ID = LOOKUP\_RETURN\_VALUE.CTAX\_ID~~  ~~CGAS\_TAX\_NAME = LOOKUP\_RETURN\_VALUE.CTAX\_NAME~~   * + ~~IF from~~ **~~Water Tax ID~~** ~~field~~   ~~CWATER\_TAX\_ID = LOOKUP\_RETURN\_VALUE.CTAX\_ID~~  ~~CWATER\_TAX\_NAME = LOOKUP\_RETURN\_VALUE.CTAX\_NAME~~ |
|  |

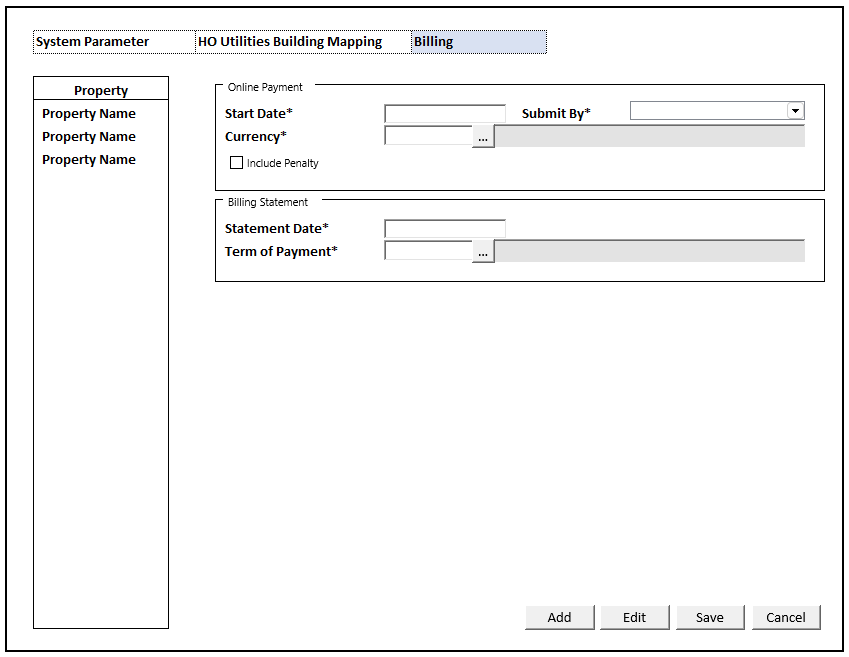
## TAB BILLING [CR02]

### USER INTERFACE

#### [CR05]



#### INITIAL VERSION



### BUTTON DEFINITION

|  |  |  |
| --- | --- | --- |
| **Button Name** | **Action** | **Enabled** |
| Add | Jalankan ADD PROCESS | * NOT on CRUD Mode * VAR\_SYSTEM\_PARAM is null |
| Edit | Jalankan EDIT PROCESS | * NOT on CRUD Mode * VAR\_SYSTEM\_PARAM is null |
| Save | Jalankan SAVE & VALIDATION PROCESS | * On CRUD Mode |
| Cancel | Jalankan DISPLAY PROCESS | * On CRUD Mode |

### ROLES

|  |  |
| --- | --- |
|  | **Test** |
| * User yg punya akses ke program |  |

### INITIAL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| Set **VAR\_TAB\_ID** = ‘02’   * **Load Property List**   Jalankan RSP\_GS\_GET\_PROPERTY\_LIST dengan parameter, simpan hasil ke VAR\_PROPERTY\_LIST dan VAR\_SELECTED\_PROPERTY   * + VAR\_COMPANY\_ID   + VAR\_USER\_ID * **Get Payment Submit By**   Jalankan RSP\_GS\_GET\_GSB\_CODE\_LIST dengan parameter, simpan hasil ke VAR\_PAYMENT\_SUBMIT\_BY   * + ‘BIMASAKTI’   + VAR\_COMPANY\_ID   + ‘\_PM\_PAYMENT\_SUBMIT\_BY’   + VAR\_LANG\_ID * **Load System Parameter**   Jalankan RSP\_PM\_GET\_SYSTEM\_PARAMETER\_DETAIL dengan parameter, simpan hasil ke VAR\_SYSTEM\_PARAM   * + VAR\_COMPANY\_ID   + VAR\_SELECTED\_PROPERTY.CPROPERTY\_ID   + VAR\_USER\_ID   + VAR\_TAB\_ID |  |

### DISPLAY PROCESS

#### FIELD DEFINITION

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Field** | **Type** | **Validation** |
| **Billing Form** |  | **Data:** FORM\_DATA |  |
| **Online Payment Group Box** |  |  |  |
| Flag Online Payment | LENABLED\_ONLINE\_PAYMENT | Hidden | Default Value = TRUE |
| Start Date\* | COL\_PAY\_START\_DATE  Convert to DOL\_PAY\_START\_DATE from “YYYYMMDD” format | DatePicker, Disabled, Required | Enabled:  on ADD & EDIT  LENABLED\_ONLINE\_PAYMENT = TRUE |
| Submit By\* | COL\_PAY\_SUBMIT\_BY | Combobox, Disabled, Required  Isi combobox dengan VAR\_PAYMENT\_SUBMIT\_BY  Set ValueField = CCODE  Set TextField = CNAME | Enabled:  on ADD & EDIT |
| Currency\* | COL\_PAY\_CURRENCY | Textbox, Disabled, Required | Enabled:  on ADD & EDIT  LENABLED\_ONLINE\_PAYMENT = TRUE  On Lost Focus  Go to 🡪 CURRENCY LOOKUP PROCESS  On value change, update:  COL\_PAY\_CURRENCY, COL\_PAY\_CURRENCY\_DESCRIPTION |
|  |  | Lookup, Disabled | Enabled:  on ADD & EDIT  LENABLED\_ONLINE\_PAYMENT = TRUE  On Lookup Button clicked:  Go to 🡪 CURRENCY LOOKUP PROCESS  On value change, update:  COL\_PAY\_CURRENCY, COL\_PAY\_CURRENCY\_DESCRIPTION |
|  | COL\_PAY\_CURRENCY\_DESCRIPTION | Textbox, Disabled |  |
| Include Penalty | LOL\_PAY\_INCL\_PENALTY | Checkbox, Disabled | Enabled:  on ADD & EDIT  LENABLED\_ONLINE\_PAYMENT = TRUE |
| Billing Statement Group Box |  |  |  |
| Statement Date\* | CBILLING\_STATEMENT\_DATE | NumericTextbox, Disabled, Required | Enabled:  on ADD & EDIT  Min Value = 1  Max Value = 31 |
| Term of Payment\* | CBILLING\_STATEMENT\_TOP\_CODE | Textbox, Disabled, Required | Enabled:  on ADD & EDIT  On Lost Focus  Go to 🡪 PAYMENT TERM LOOKUP PROCESS  On value change, update:  CBILLING\_STATEMENT\_TOP\_CODE, CBILLING\_STATEMENT\_TOP\_NAME |
|  |  | Lookup, Disabled | Enabled:  on ADD & EDIT  On Lookup Button clicked:  Go to 🡪 PAYMENT TERM LOOKUP PROCESS  On value change, update:  CBILLING\_STATEMENT\_TOP\_CODE, CBILLING\_STATEMENT\_TOP\_NAME |
|  | CBILLING\_STATEMENT\_TOP\_NAME | Textbox, Disabled |  |

#### GRID DEFINITION

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Field** | **Type** | **Validation** |
| **Property Grid** |  | **Data:** VAR\_PROPERTY\_LIST  **Type:** Navigator | Allow: -  View Only  On Selected Changed,  Set **VAR\_SELECTED\_PROPERTY** = Selected Row’s Data  **Load System Parameter** Jalankan RSP\_PM\_GET\_SYSTEM\_PARAMETER\_DETAIL dengan parameter, simpan hasil ke VAR\_CARE\_LIST dan VAR\_SELECTED\_CARE:   * + VAR\_COMPANY\_ID   + VAR\_SELECTED\_PROPERTY.CPROPERTY\_ID   + VAR\_USER\_ID   + VAR\_TAB\_ID |
| Property | CPROPERTY\_NAME | Textbox |  |

### CURRENCY LOOKUP PROCESS

#### ON LOST FOCUS

##### PARAMETER

|  |  |
| --- | --- |
| **Parameter Name** | **Description** |
| CCOMPANY\_ID | VAR\_COMPANY\_ID |
| CUSER\_ID | VAR\_USER\_ID |
| CSEARCH\_TEXT | FORM\_DATA.COL\_PAY\_CURRENCY |

##### ACTION

|  |
| --- |
|  |
| * Run **GSL00300 – Currency Lookup** dengan parameter:   + CCOMPANY\_ID   + CUSER\_ID   + CSEARCH\_TEXT * Set **FORM\_DATA**   COL\_PAY\_CURRENCY = LOOKUP\_RETURN\_VALUE.CCURRENCY\_CODE  COL\_PAY\_CURRENCY\_DESCRIPTION = LOOKUP\_RETURN\_VALUE.CCURRENCY\_NAME |
|  |

#### BEFORE OPEN LOOKUP

##### PARAMETER

|  |  |
| --- | --- |
| **Parameter Name** | **Description** |
| CCOMPANY\_ID | VAR\_COMPANY\_ID |
| CUSER\_ID | VAR\_USER\_ID |
| CSEARCH\_TEXT | ‘’ |

##### ACTION

|  |
| --- |
|  |
| * Run **GSL00300 – Currency Lookup** dengan parameter:   + CCOMPANY\_ID   + CUSER\_ID   + CSEARCH\_TEXT |
|  |

#### AFTER OPEN LOOKUP

##### CANCEL PROCESS

###### ACTION

|  |
| --- |
|  |
| * Close this lookup |
|  |

##### LOOKUP SELECT DATA PROCESS

###### ACTION

|  |
| --- |
|  |
| * Close this lookup * Set **FORM\_DATA**   COL\_PAY\_CURRENCY = LOOKUP\_RETURN\_VALUE.CCURRENCY\_CODE  COL\_PAY\_CURRENCY\_DESCRIPTION = LOOKUP\_RETURN\_VALUE.CCURRENCY\_NAME |
|  |

### PAYMENT TERM LOOKUP PROCESS

#### ON LOST FOCUS

##### PARAMETER

|  |  |
| --- | --- |
| **Parameter Name** | **Description** |
| CSEARCH\_TEXT | Term of Payment Field’s Value |

##### ACTION

|  |
| --- |
|  |
| * Run **GSL02100 – Payment Term Lookup** dengan parameter:   + CSEARCH\_TEXT * Billing Form stay on CRUD MODE * Set **FORM\_DATA**   CBILLING\_STATEMENT\_TOP\_CODE = LOOKUP\_RETURN\_VALUE.CPAY\_TERM\_CODE  CBILLING\_STATEMENT\_TOP\_NAME = LOOKUP\_RETURN\_VALUE.CPAY\_TERM\_NAME |
|  |

#### BEFORE OPEN LOOKUP

##### PARAMETER

|  |  |
| --- | --- |
| **Parameter Name** | **Description** |
| CSEARCH\_TEXT | ‘’ |
|  |  |

##### ACTION

|  |
| --- |
|  |
| * Run **GSL02100 – Payment Term Lookup** dengan parameter:   + CSEARCH\_TEXT |
|  |

#### AFTER OPEN LOOKUP

##### CANCEL PROCESS

###### ACTION

|  |
| --- |
|  |
| * Close this POPUP * Billing Form stay on CRUD MODE |
|  |

##### LOOKUP SELECT DATA PROCESS

###### ACTION

|  |
| --- |
|  |
| * Close lookup * Billing Form stay on CRUD MODE * Set **FORM\_DATA**   CBILLING\_STATEMENT\_TOP\_CODE = LOOKUP\_RETURN\_VALUE.CPAY\_TERM\_CODE  CBILLING\_STATEMENT\_TOP\_NAME = LOOKUP\_RETURN\_VALUE.CPAY\_TERM\_NAME |
|  |

### ADD NEW PROCESS

#### ACTION

|  |
| --- |
|  |
| * Set **VAR\_SAVE\_MODE** = ‘ADD’ * Enabled Fields: ‘Start Date’, ‘Submit By’, ‘Currency’, ‘Currency Lookup Button’, ‘Statement Date’, ‘Term of Payment’ * Set focus to column: ‘Start Date’ |
| * Proses:   + ‘Save’ 🡪 Go To SAVE & VALIDATION PROCESS   + ‘Cancel’ 🡪 Go To DISPLAY PROCESS |

### EDIT PROCESS

#### ACTION

|  |
| --- |
|  |
| * Set **VAR\_SAVE\_MODE** = ‘EDIT’ * Set **FORM\_DATA**: VAR\_SYSTEM\_PARAM * Enabled Fields: ‘Start Date’, ‘Submit By’, ‘Currency’, ‘Currency Lookup Button’, ‘Statement Date’, ‘Term of Payment’ * Set focus to column: ‘Start Date’ |
| * Proses:   + ‘Save’ 🡪 Go To SAVE & VALIDATION PROCESS   + ‘Cancel’ 🡪 Go To DISPLAY PROCESS |

### SAVE & VALIDATION PROCESS

#### VALIDATION

|  |  |  |
| --- | --- | --- |
| **Field** | **Condition** | **Validation Message** |
| Start Date | Empty | Please fill Start Date! |
| Submit By | Empty | Please choose Submit By! |
| Currency | Empty | Please fill Currency! |
| Statement Date | Empty | Please fill Statement Date! |
| Term of Payment | Empty | Please fill Term of Payment! |

#### ACTION

|  |
| --- |
|  |
| * **Validate** (See VALIDATION table)   IF Success, jalankan Save System Param  IF Failed, stay on Add/Edit Process   * **Save System Param**   Jalankan RSP\_PM\_MAINTAIN\_BILLING\_PARAMETER dengan parameter,  @CCOMPANY\_ID = VAR\_COMPANY\_ID  @CPROPERTY\_ID = VAR\_SELECTED\_PROPERTY.CPROPERTY\_ID  @COL\_PAY\_START\_DATE = FORM\_DATA.COL\_PAY\_START\_DATE  @COL\_PAY\_SUBMIT\_BY = FORM\_DATA.COL\_PAY\_SUBMIT\_BY  @COL\_PAY\_CURRENCY = FORM\_DATA.COL\_PAY\_CURRENCY  @LOL\_PAY\_INCL\_PENALTY = FORM\_DATA.LOL\_PAY\_INCL\_PENALTY  @CBILLING\_STATEMENT\_DATE = FORM\_DATA.CBILLING\_STATEMENT\_DATE  @CBILLING\_STATEMENT\_TOP\_CODE = FORM\_DATA.CBILLING\_STATEMENT\_TOP\_CODE  @CACTION = VAR\_SAVE\_MODE  @CUSER\_ID = VAR\_USER\_ID |
| * Go to DISPLAY PROCESS |

# CR LIST

|  |  |  |
| --- | --- | --- |
| **CR** | **Description** | **Notes** |
| CR01  NS, 25 Nov 2024 | * Menambahkan GL Link * Menambahkan Generate Invoice Process * Menambahkan Utilities Charges and Tax * Menambahkan Group Box Handover * Menambahkan Update By, Update Date, Create By, Create Date di Tab System Parameter * Menambahkan Tab “HO Utilities Building Mapping” | DROPPED RSP\_PM\_GET\_SYSTEM\_PARAMETER\_LIST |
| CR02  NS, 20 Jan 2025 | * Menambahkan Tab Billing |  |
| CR03  NS, 03 Feb 2025 | * Menambahkan Parameter untuk Chiller |  |
| CR04  NS, 19 Feb 2025 | * Menambahkan Checkbox Distribute PDF Handover |  |
| CR05  NS, 18 Mar 2025 | * Menghapus Tab HO Utilities Building Mapping * Remove Charges and Tax Info (LALL\_BUILDING) in First Tab |  |