

DS.140 Design Specification

Emirates Telecommunication Group Company PJSC

**HCM Accrual Fast Formula Changes for New Joiners**

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| <Approver 2> |  |

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oracle.gif

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# Document Control

## Change Record

5

| Date | Author | Version | Change Reference |
| --- | --- | --- | --- |
| 03-Sep-20 | Arun Batra | 1.0 | No Previous Document |
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## Reviewers

| Name | Position |
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# Technical Overview

1. The purpose of this task is to assemble all the information that is required to describe the design of a software component into a complete Design Specification. This task is not a substitute for executing the individual design tasks. This specification work product can serve as a structure for completing the design for each component by providing pointers back into the Design Tasks:   
   - DS.040 Develop Design Architecture Description  
   - DS.080 Design Software Components  
   - DS.090 Design Data  
   - DS.100 Design Behavior  
   - DS.130 Design User Interface

This Design Specification documents the detailed steps for migration of Accrual Fast Formula Changes for New Joiners in production instance

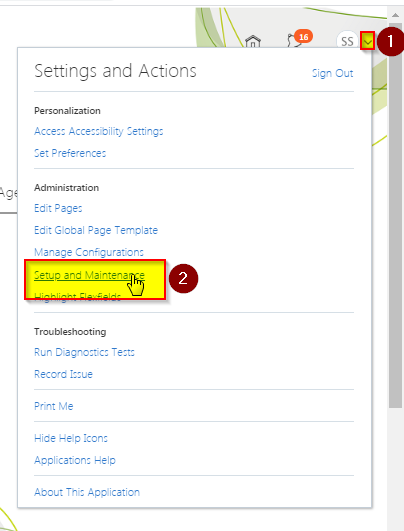
1. The diagram above is just an example—Double click on it to edit it as an embedded object. Select it and choose Edit->VISIO Object->Open to open it in the full Visio application.  
     
   You can also use other tools to draw your diagram and define most of the information in this section. So you may then want to refer to the repository for a specific diagram.

# Fast Formula

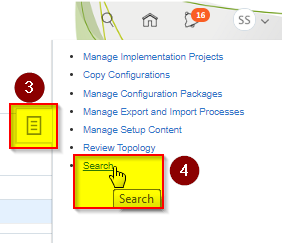
## Correction of Fast Formula ETC\_PARTIAL\_PERIOD\_ACCRUAL

Navigation to Correct Fast Formula is as follows

After Signing into Fusion as Super User, click on the Arrow on the Top Right Corner and from the Menu Option Click on “Setup and Maintenance” as in snapshot below

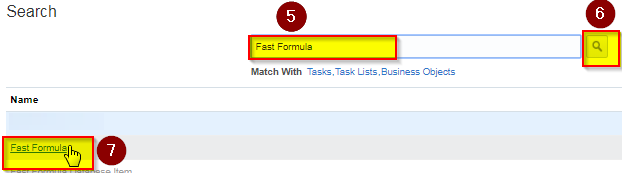


Click on the page Icon on the Right Side of the Screen, a new menu appears, choose option “Search” from the Menu as in the snapshot below

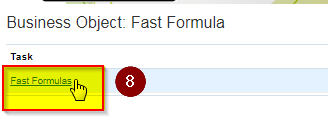


Enter “Fast Formula” in the Search Bar and Click on the Lenses icon to search for the second option “Fast Fomula” Function as in the snapshot below

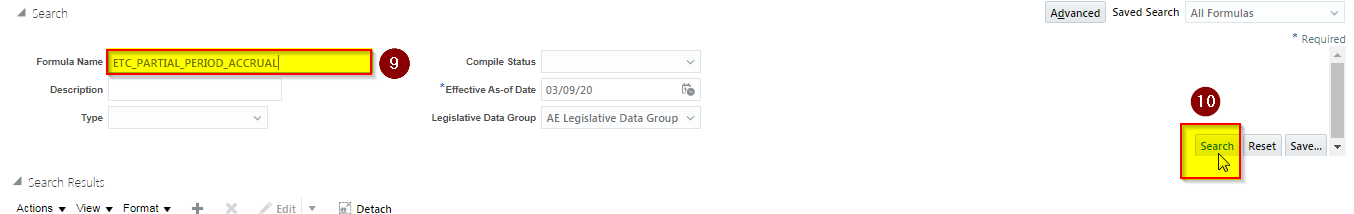
Click on the link “Fast Formula” as in the snapshot below



A new page opens up Click on the link “Fast Formula” again as in the snapshot below

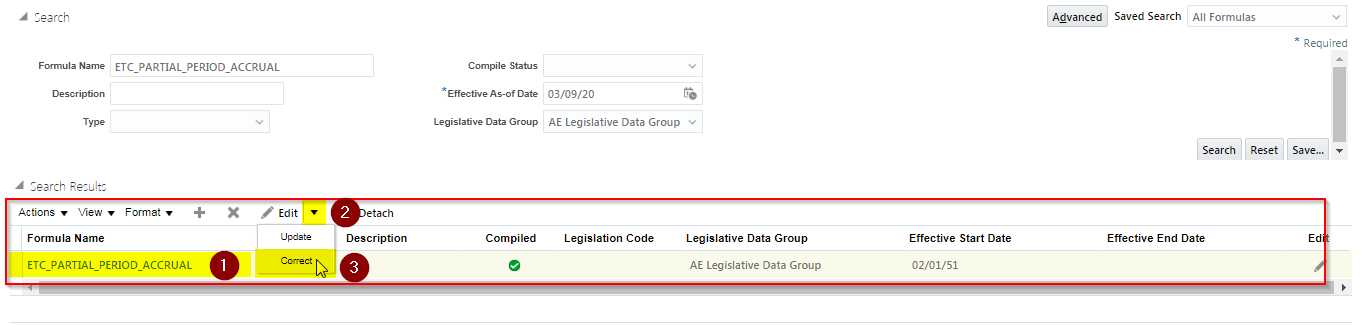


In the Formula Name Field, Enter “ETC\_PARTIAL\_PERIOD\_ACCRUAL” and click on “Search” button to search

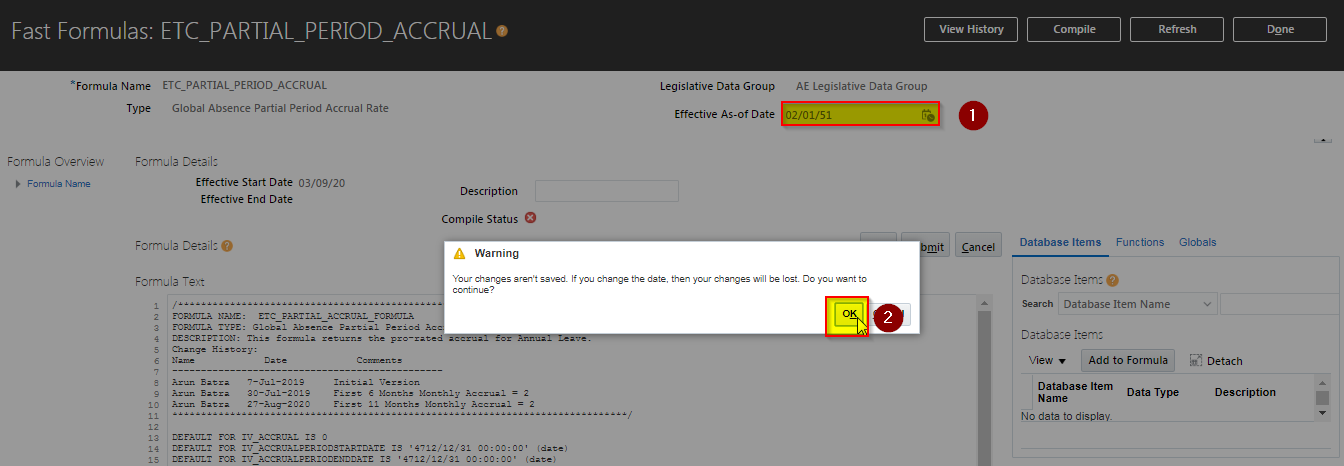


**From Search Results Click to highlight formula for** ETC\_PARTIAL\_PERIOD\_ACCRUAL

Click on Dropdown and choose the “Correct” Option as in the snapshot below

****

**Enter the effective Date is 02/01/51 and in the dialog box choose “OK” option as in the snapshot below**

****

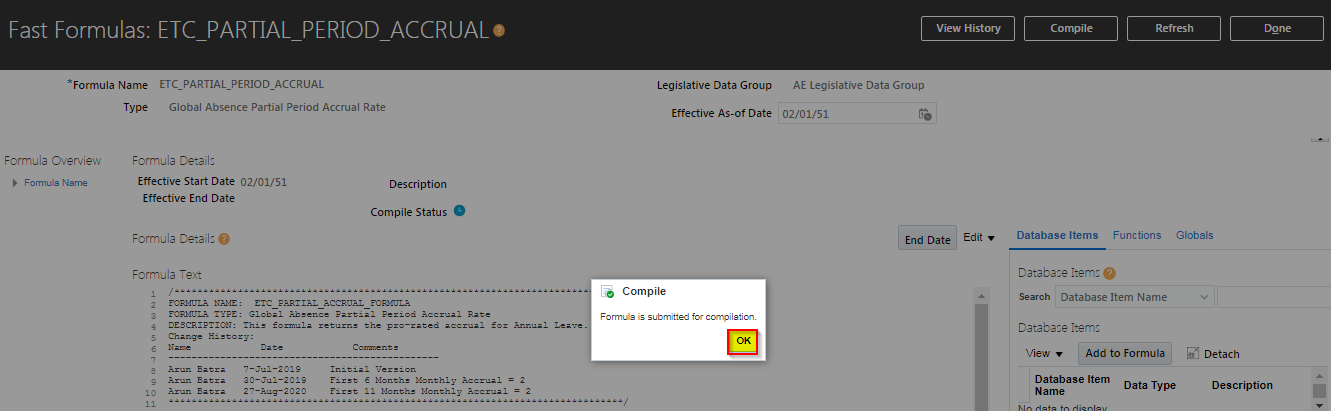
**Copy from the text below and update it in the Formula Text Region**

|  |
| --- |
| **Formula Text** |
| **/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***  **FORMULA NAME: ETC\_PARTIAL\_ACCRUAL\_FORMULA**  **FORMULA TYPE: Global Absence Partial Period Accrual Rate**  **DESCRIPTION: This formula returns the pro-rated accrual for Annual Leave.**  **Change History:**  **Name Date Comments**  **-----------------------------------------------**  **Arun Batra 7-Jul-2019 Initial Version**  **Arun Batra 30-Jul-2019 First 6 Months Monthly Accrual = 2**  **Arun Batra 27-Aug-2020 First 11 Months Monthly Accrual = 2**  **\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**  **DEFAULT FOR IV\_ACCRUAL IS 0**  **DEFAULT FOR IV\_ACCRUALPERIODSTARTDATE IS '4712/12/31 00:00:00' (date)**  **DEFAULT FOR IV\_ACCRUALPERIODENDDATE IS '4712/12/31 00:00:00' (date)**  **DEFAULT FOR IV\_CALEDARSTARTDATE IS '4712/12/31 00:00:00' (date)**  **DEFAULT FOR IV\_CALEDARENDDATE IS '4712/12/31 00:00:00' (date)**  **DEFAULT FOR IV\_PLANENROLLMENTSTARTDATE IS '4712/12/31 00:00:00' (date)**  **DEFAULT FOR IV\_PLANENROLLMENTENDDATE IS '4712/12/31 00:00:00' (date)**  **DEFAULT FOR PER\_ASG\_REL\_ACTUAL\_TERMINATION\_DATE IS '4712/12/31 00:00:00' (date)**  **DEFAULT FOR PER\_ASG\_FTE IS 1**  **DEFAULT FOR PER\_ASG\_PERSON\_NUMBER IS 'X'**  **DEFAULT for PER\_ASG\_REL\_ORIGINAL\_DATE\_OF\_HIRE is '4712/12/31 00:00:00' (date)**  **DEFAULT FOR PER\_PERSON\_ENTERPRISE\_HIRE\_DATE IS '4712/12/31 00:00:00' (date)**  **INPUTS ARE IV\_ACCRUAL**  **, IV\_ACCRUALPERIODSTARTDATE (date)**  **, IV\_ACCRUALPERIODENDDATE (date)**  **, IV\_CALEDARSTARTDATE (date)**  **, IV\_CALEDARENDDATE (date)**  **, IV\_PLANENROLLMENTSTARTDATE (date)**  **, IV\_PLANENROLLMENTENDDATE (date)**    **l\_start\_dt = TO\_DATE('01-01-1951', 'dd-mm-rrrr')**  **l\_end\_dt = TO\_DATE('01-01-1951', 'dd-mm-rrrr')**  **l\_start\_dt = GREATEST (IV\_PLANENROLLMENTSTARTDATE,IV\_ACCRUALPERIODSTARTDATE)**  **l\_end\_dt = LEAST (IV\_PLANENROLLMENTENDDATE, IV\_ACCRUALPERIODENDDATE)**  **l\_hire\_date = PER\_PERSON\_ENTERPRISE\_HIRE\_DATE**  **accrual = IV\_ACCRUAL**  **/\* Start :- If Employee Joins in mid of the Month Prorate the Accrual Value \*/**  **IF (MONTHS\_BETWEEN(add\_days(IV\_ACCRUALPERIODENDDATE,1),TRUNC(l\_hire\_date,'MM')) >=0 AND MONTHS\_BETWEEN(add\_days(IV\_ACCRUALPERIODENDDATE,1),TRUNC(l\_hire\_date,'MM')) <=11)**  **THEN**  **(**  **accrual = 2**  **)**  **ln\_participation\_duration = days\_BETWEEN ( l\_end\_dt,l\_start\_dt)+1**  **ln\_term\_duration = days\_BETWEEN ( IV\_ACCRUALPERIODENDDATE,IV\_ACCRUALPERIODSTARTDATE)+1**  **prorated\_accrual = accrual \* (ln\_participation\_duration / ln\_term\_duration)**  **accrual = prorated\_accrual**  **/\* End :- If Employee Joins in mid of the Month Prorate the Accrual Value \*/**    **RETURN accrual** |

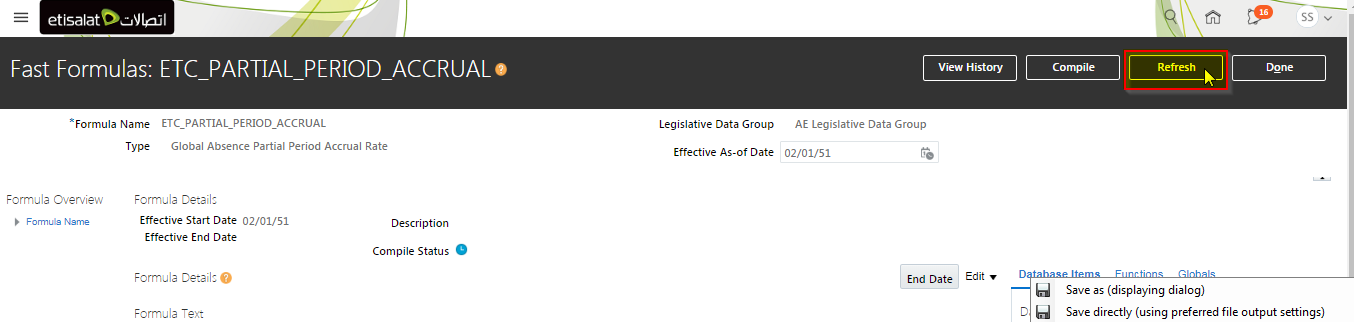
**Click on “Compile” Button as in the snapshot below**

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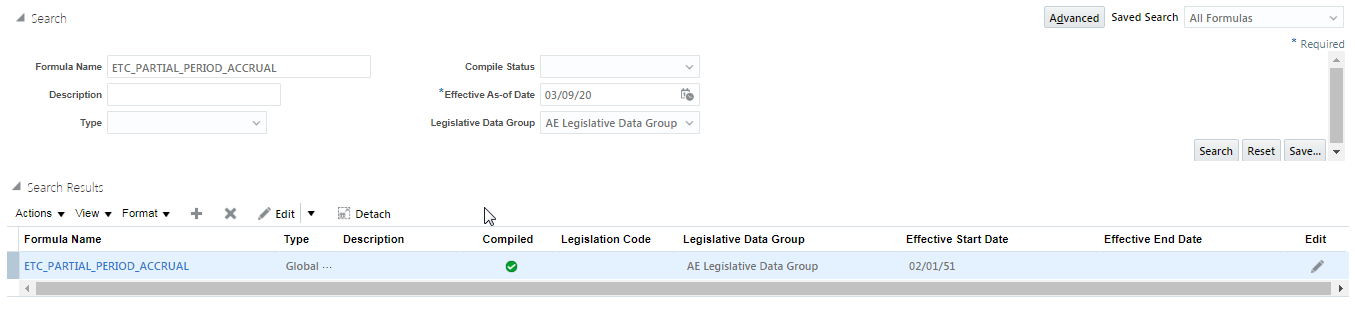
**Click on the Ok Button Next**

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**Click on “Refresh” Button Next**

****

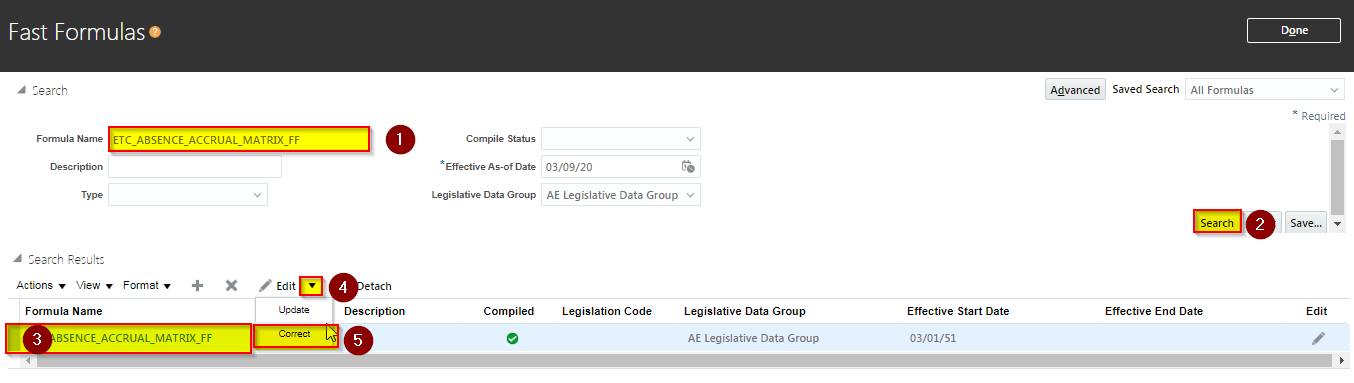
**Click on “Done” Button to close the window, this closes the Correction of Formula ETC\_PARTIAL\_PERIOD\_ACCRUAL**

****

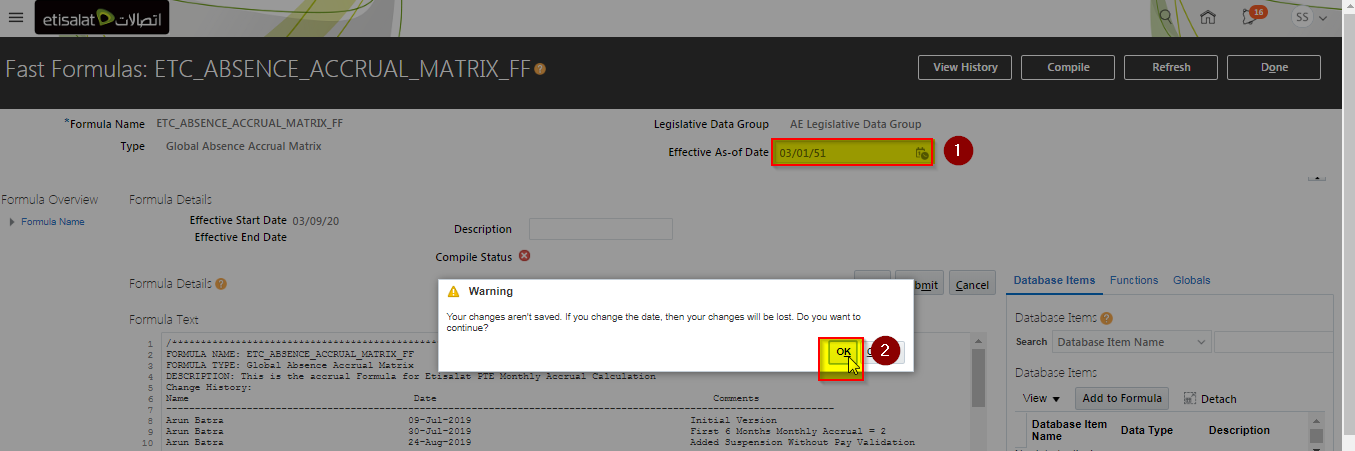
## Correction of Fast Formula ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF

**Query for “ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF” in the Formula Name Field and click on Search Button**

**After the record for “ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF” is shown, highlight the record as in step 3 and click on “Edit” Option and choose Option “Correct”**

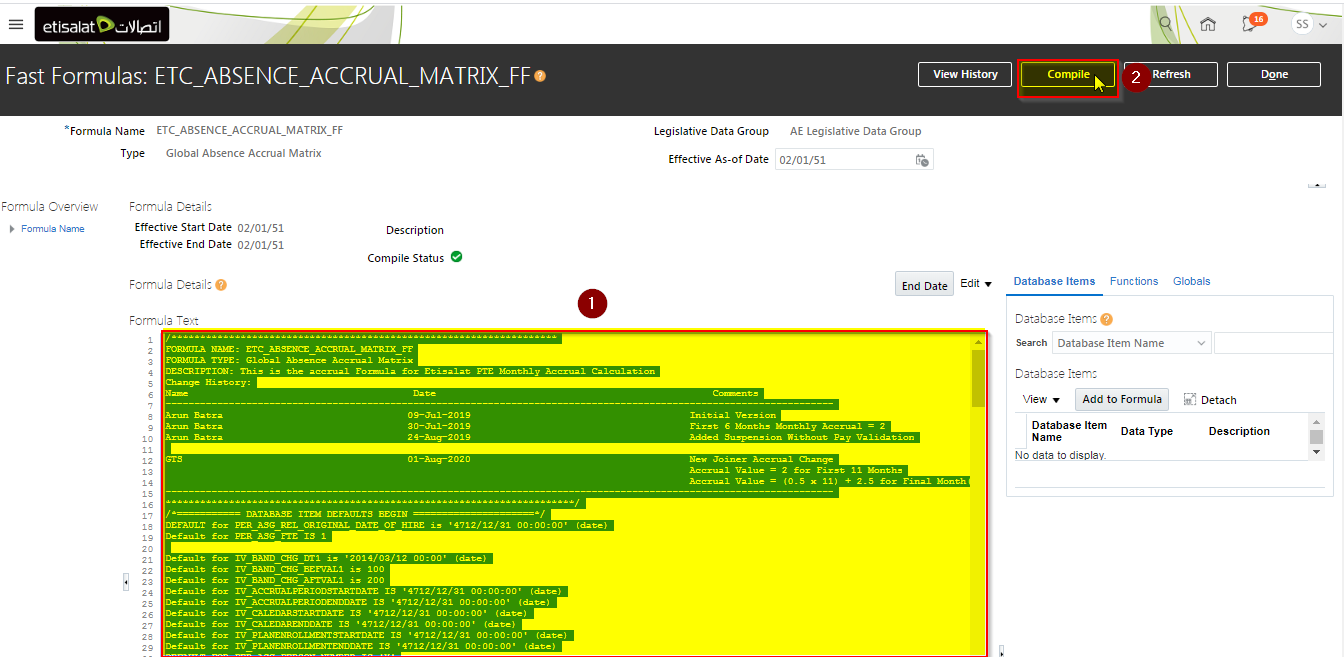
****

**Formula page for “ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF” will open up, change the effective date to “03/01/1951” and click on Tab, click on “OK” for the Warning dialog box**

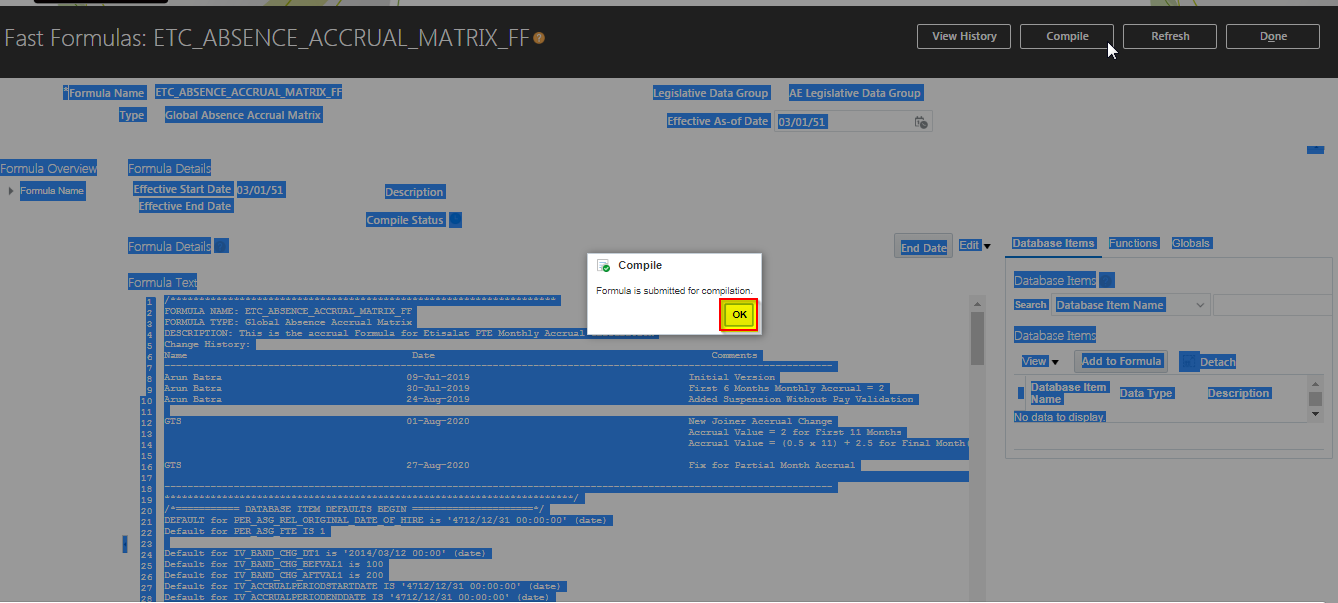
****

**Copy from the text below and update it in the Formula Text Region**

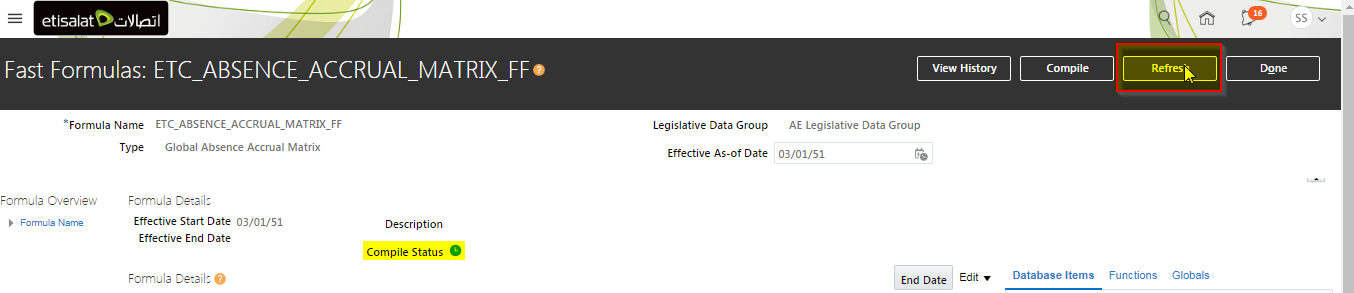
|  |
| --- |
| **Formula Text** |
| **/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***  **FORMULA NAME: ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF**  **FORMULA TYPE: Global Absence Accrual Matrix**  **DESCRIPTION: This is the accrual Formula for Etisalat PTE Monthly Accrual Calculation**  **Change History:**  **Name Date Comments**  **--------------------------------------------------------------------------------------------------------------------**  **Arun Batra 09-Jul-2019 Initial Version**  **Arun Batra 30-Jul-2019 First 6 Months Monthly Accrual = 2**  **Arun Batra 24-Aug-2019 Added Suspension Without Pay Validation**  **GTS 01-Aug-2020 New Joiner Accrual Change**  **Accrual Value = 2 for First 11 Months**  **Accrual Value = (0.5 x 11) + 2.5 for Final Month(12th Month)**    **GTS 27-Aug-2020 Fix for Partial Month Accrual**    **--------------------------------------------------------------------------------------------------------------------**  **\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**  **/\*=========== DATABASE ITEM DEFAULTS BEGIN =====================\*/**  **DEFAULT for PER\_ASG\_REL\_ORIGINAL\_DATE\_OF\_HIRE is '4712/12/31 00:00:00' (date)**  **Default for PER\_ASG\_FTE IS 1**  **Default for IV\_BAND\_CHG\_DT1 is '2014/03/12 00:00' (date)**  **Default for IV\_BAND\_CHG\_BEFVAL1 is 100**  **Default for IV\_BAND\_CHG\_AFTVAL1 is 200**  **Default for IV\_ACCRUALPERIODSTARTDATE IS '4712/12/31 00:00:00' (date)**  **Default for IV\_ACCRUALPERIODENDDATE IS '4712/12/31 00:00:00' (date)**  **Default for IV\_CALEDARSTARTDATE IS '4712/12/31 00:00:00' (date)**  **Default for IV\_CALEDARENDDATE IS '4712/12/31 00:00:00' (date)**  **Default for IV\_PLANENROLLMENTSTARTDATE IS '4712/12/31 00:00:00' (date)**  **Default for IV\_PLANENROLLMENTENDDATE IS '4712/12/31 00:00:00' (date)**  **DEFAULT FOR PER\_ASG\_PERSON\_NUMBER IS 'X'**  **DEFAULT\_DATA\_VALUE FOR ABS\_EXT\_START\_DATE IS '4712/12/31' (date)**  **DEFAULT\_DATA\_VALUE FOR ABS\_EXT\_END\_DATE IS '4712/12/31' (date)**  **DEFAULT\_DATA\_VALUE FOR ABS\_EXT\_START\_DATETIME IS '4712/12/31 00:00:00'**  **DEFAULT\_DATA\_VALUE FOR ABS\_EXT\_END\_DATETIME IS '4712/12/31 00:00:00'**  **DEFAULT\_DATA\_VALUE FOR ABS\_EXT\_START\_DATE\_DURATION IS 0**  **DEFAULT\_DATA\_VALUE FOR ABS\_EXT\_END\_DATE\_DURATION IS 0**  **DEFAULT\_DATA\_VALUE FOR ABS\_EXT\_ABSENCE\_TYPE\_ID IS 0**  **DEFAULT\_DATA\_VALUE FOR ABS\_EXT\_ABSENCE\_TYPE IS 'XX'**  **DEFAULT\_DATA\_VALUE FOR ABS\_EXT\_APPROVAL\_STATUS\_CD IS 'XX'**  **DEFAULT\_DATA\_VALUE FOR ABS\_EXT\_ABSENCE\_STATUS\_CD IS 'XX'**  **DEFAULT FOR PER\_PERSON\_ENTERPRISE\_HIRE\_DATE IS '4712/12/31 00:00:00' (date)**  **Inputs are IV\_BAND\_CHG\_DT1**  **,IV\_BAND\_CHG\_BEFVAL1**  **,IV\_BAND\_CHG\_AFTVAL1**  **,IV\_ACCRUAL**  **,IV\_ACCRUALPERIODSTARTDATE**  **,IV\_ACCRUALPERIODENDDATE**  **,IV\_CALEDARSTARTDATE**  **,IV\_CALEDARENDDATE**  **,IV\_PLANENROLLMENTSTARTDATE**  **,IV\_PLANENROLLMENTENDDATE**  **/\*=========== DATABASE ITEM DEFAULTS ENDS======================\*/**  **/\*================ FORMULA SECTION BEGIN =======================\*/**  **l\_log = ESS\_LOG\_WRITE('PER\_ASG\_PERSON\_NUMBER:' || PER\_ASG\_PERSON\_NUMBER)**  **l\_log = ESS\_LOG\_WRITE('IV\_BAND\_CHG\_DT1: ' || TO\_CHAR(IV\_BAND\_CHG\_DT1,'DD-MON-RRRR'))**  **l\_log = ESS\_LOG\_WRITE('IV\_BAND\_CHG\_BEFVAL1: ' || TO\_CHAR(IV\_BAND\_CHG\_BEFVAL1))**  **l\_log = ESS\_LOG\_WRITE('IV\_BAND\_CHG\_AFTVAL1: ' || TO\_CHAR(IV\_BAND\_CHG\_AFTVAL1))**  **l\_person\_id = GET\_CONTEXT(PERSON\_ID,-1)**  **l\_unpaid\_absence\_type\_id = 300000002062543 /\* Changed for Prod\*/**  **l\_susp\_without\_pay\_abs\_type\_id = 300000004912716**  **accrual = IV\_ACCRUAL**  **l\_unpaid\_Leave\_days = 0**  **l\_unpaid\_Leave\_days1 = 0**  **l\_unpaid\_Leave\_days2 = 0**  **l\_unpaid\_Leave\_days3 = 0**  **l\_unpaid\_Leave\_days4 = 0**  **l\_flag='N'**  **l\_hire\_date = PER\_PERSON\_ENTERPRISE\_HIRE\_DATE**    **/\*Fix for Partial Month Accrual \*/**  **IF (IV\_PLANENROLLMENTSTARTDATE) > trunc(l\_hire\_date,'MM') and TRUNC(IV\_PLANENROLLMENTSTARTDATE,'MM') != TRUNC (IV\_ACCRUALPERIODENDDATE,'MM') then**  **(**  **l\_hire\_date = add\_months(l\_hire\_date,1)**  **)**      **/\* Accrual is 2 for First 11 months from Hire Date CR 2 \*/**    **IF (MONTHS\_BETWEEN(add\_days(IV\_ACCRUALPERIODENDDATE,1),TRUNC(l\_hire\_date,'MM')) >=0**  **AND MONTHS\_BETWEEN(add\_days(IV\_ACCRUALPERIODENDDATE,1),TRUNC(l\_hire\_date,'MM')) <=11) and l\_hire\_date >= '2019/01/01 00:00:00' (date)**  **THEN**  **(**  **accrual = 2**  **)**  **/\* Accrual is 2 for First 11 months from Hire Date - CR 2 \*/**  **/\* Accrual to be given in 11th month = 0.5 x 11 plus 2.5 Accrual of 12th Month CR-2\*/**  **IF MONTHS\_BETWEEN(add\_days(IV\_ACCRUALPERIODENDDATE,1),TRUNC(l\_hire\_date,'MM')) = 12 and l\_hire\_date >= '2019/01/01 00:00:00' (date)**  **THEN**  **(**  **accrual = IV\_ACCRUAL + (MONTHS\_BETWEEN(IV\_ACCRUALPERIODSTARTDATE,TRUNC(l\_hire\_date)) \* 0.5)**  **)**  **/\* Accrual to be given in 12th month = 0.5 x 11 plus 2.5 Accrual of 12th Month CR-2\*/**  **l\_log = ESS\_LOG\_WRITE('ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF IV\_ACCRUALPERIODSTARTDATE ' || TO\_CHAR(IV\_ACCRUALPERIODSTARTDATE))**  **l\_log = ESS\_LOG\_WRITE('ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF IV\_ACCRUALPERIODENDDATE ' || TO\_CHAR(IV\_ACCRUALPERIODENDDATE))**  **/\* Start :- Logic to Retreive the Unpaid Leave \*/**  **CHANGE\_CONTEXTS(PERSON\_ID = l\_person\_id ,EFFECTIVE\_DATE = trunc(IV\_ACCRUALPERIODSTARTDATE))**  **(**  **I=1**  **WHILE ABS\_EXT\_ABSENCE\_TYPE\_ID.EXISTS(I)**  **LOOP**  **(**    **IF (**  **( trunc(ABS\_EXT\_START\_DATE[I]) >= trunc(IV\_ACCRUALPERIODSTARTDATE) AND trunc(ABS\_EXT\_END\_DATE[I]) <= trunc(IV\_ACCRUALPERIODENDDATE)**  **AND UPPER(ABS\_EXT\_ABSENCE\_STATUS\_CD[I])!= 'ORA\_WITHDRAWN')**  **AND (ABS\_EXT\_ABSENCE\_TYPE\_ID[I] = l\_unpaid\_absence\_type\_id OR ABS\_EXT\_ABSENCE\_TYPE\_ID[I] = l\_susp\_without\_pay\_abs\_type\_id))**  **THEN**  **(**  **l\_flag='Y'**  **l\_unpaid\_Leave\_days1 = l\_unpaid\_Leave\_days1 + DAYS\_BETWEEN(trunc(ABS\_EXT\_END\_DATE[I]),trunc(ABS\_EXT\_START\_DATE[I]))+1**  **l\_log = ESS\_LOG\_WRITE('ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF l\_unpaid\_Leave\_days1 ' || TO\_CHAR(l\_unpaid\_Leave\_days1))**    **)**  **IF (**  **( trunc(ABS\_EXT\_START\_DATE[I]) < trunc(IV\_ACCRUALPERIODSTARTDATE) AND (trunc(ABS\_EXT\_END\_DATE[I]) <= trunc(IV\_ACCRUALPERIODENDDATE)**  **and trunc(ABS\_EXT\_END\_DATE[I]) > trunc(IV\_ACCRUALPERIODSTARTDATE))AND UPPER(ABS\_EXT\_ABSENCE\_STATUS\_CD[I])!= 'ORA\_WITHDRAWN')**  **AND (ABS\_EXT\_ABSENCE\_TYPE\_ID[I] = l\_unpaid\_absence\_type\_id OR ABS\_EXT\_ABSENCE\_TYPE\_ID[I] = l\_susp\_without\_pay\_abs\_type\_id) )**  **THEN**  **(**  **l\_flag='Y'**  **l\_unpaid\_Leave\_days2 = l\_unpaid\_Leave\_days2 + DAYS\_BETWEEN(trunc(ABS\_EXT\_END\_DATE[I]),trunc(IV\_ACCRUALPERIODSTARTDATE))+1**  **l\_log = ESS\_LOG\_WRITE('ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF l\_unpaid\_Leave\_days2 ' || TO\_CHAR(l\_unpaid\_Leave\_days2))**  **)**  **IF( (**  **( trunc(ABS\_EXT\_START\_DATE[I]) > trunc(IV\_ACCRUALPERIODSTARTDATE) and trunc(ABS\_EXT\_START\_DATE[I]) <= trunc(IV\_ACCRUALPERIODENDDATE) )**  **AND trunc(ABS\_EXT\_END\_DATE[I]) > trunc(IV\_ACCRUALPERIODENDDATE)**  **AND UPPER(ABS\_EXT\_ABSENCE\_STATUS\_CD[I])!= 'ORA\_WITHDRAWN') AND (ABS\_EXT\_ABSENCE\_TYPE\_ID[I] = l\_unpaid\_absence\_type\_id**  **OR ABS\_EXT\_ABSENCE\_TYPE\_ID[I] = l\_susp\_without\_pay\_abs\_type\_id) )**  **THEN**  **(**  **l\_flag='Y'**  **l\_unpaid\_Leave\_days3 = l\_unpaid\_Leave\_days3 + DAYS\_BETWEEN(trunc(IV\_ACCRUALPERIODENDDATE),trunc(ABS\_EXT\_START\_DATE[I]))+1**  **l\_log = ESS\_LOG\_WRITE('ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF l\_unpaid\_Leave\_days3 ' || TO\_CHAR(l\_unpaid\_Leave\_days3))**  **)**  **IF (**  **( trunc(ABS\_EXT\_START\_DATE[I]) < trunc(IV\_ACCRUALPERIODSTARTDATE) AND trunc(ABS\_EXT\_END\_DATE[I]) > trunc(IV\_ACCRUALPERIODENDDATE)**  **AND UPPER(ABS\_EXT\_ABSENCE\_STATUS\_CD[I])!= 'ORA\_WITHDRAWN') AND (ABS\_EXT\_ABSENCE\_TYPE\_ID[I] = l\_unpaid\_absence\_type\_id**  **OR ABS\_EXT\_ABSENCE\_TYPE\_ID[I] = l\_susp\_without\_pay\_abs\_type\_id) )**  **THEN**  **(**  **l\_flag='Y'**  **l\_unpaid\_Leave\_days4 = l\_unpaid\_Leave\_days4 + DAYS\_BETWEEN(trunc(IV\_ACCRUALPERIODENDDATE),trunc(IV\_ACCRUALPERIODSTARTDATE))+1**  **l\_log = ESS\_LOG\_WRITE('ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF l\_unpaid\_Leave\_days4 ' || TO\_CHAR(l\_unpaid\_Leave\_days4))**  **)**  **I=I+1**  **)**  **l\_unpaid\_Leave\_days = l\_unpaid\_Leave\_days1 + l\_unpaid\_Leave\_days2 + l\_unpaid\_Leave\_days3 + l\_unpaid\_Leave\_days4**  **)**  **/\* End :- Logic to Retreive the Unpaid Leave \*/**  **l\_log = ESS\_LOG\_WRITE('test l\_unpaid\_Leave\_days ' || TO\_CHAR(l\_unpaid\_Leave\_days))**  **/\* Start :- Unpaid Leave exists then reduce the Accrual value \*/**  **IF l\_unpaid\_Leave\_days > 0 THEN**  **(**  **L\_ACCRUAL\_FACTOR = ((DAYS\_BETWEEN(trunc(IV\_ACCRUALPERIODENDDATE),trunc(IV\_ACCRUALPERIODSTARTDATE))+1)-l\_unpaid\_Leave\_days)/(DAYS\_BETWEEN(trunc(IV\_ACCRUALPERIODENDDATE),trunc(IV\_ACCRUALPERIODSTARTDATE))+1)**  **l\_log = ESS\_LOG\_WRITE('ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF L\_ACCRUAL\_FACTOR ' || TO\_CHAR(L\_ACCRUAL\_FACTOR))**  **accrual = accrual \* L\_ACCRUAL\_FACTOR**  **l\_log = ESS\_LOG\_WRITE('ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF accrual ' || TO\_CHAR(accrual))**  **)**  **/\* End :- Unpaid Leave exists then reduce the Accrual value \*/**  **l\_log = ESS\_LOG\_WRITE('ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF Outside IF')**  **l\_log = ESS\_LOG\_WRITE('ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF accrual ' || TO\_CHAR(accrual))**  **return accrual** |

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**Click on “Ok” button in the dialog box for Compile**

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**Click on “Refresh” Button the status of Compile should change now from Green ”Clock” to green “Check”**

****

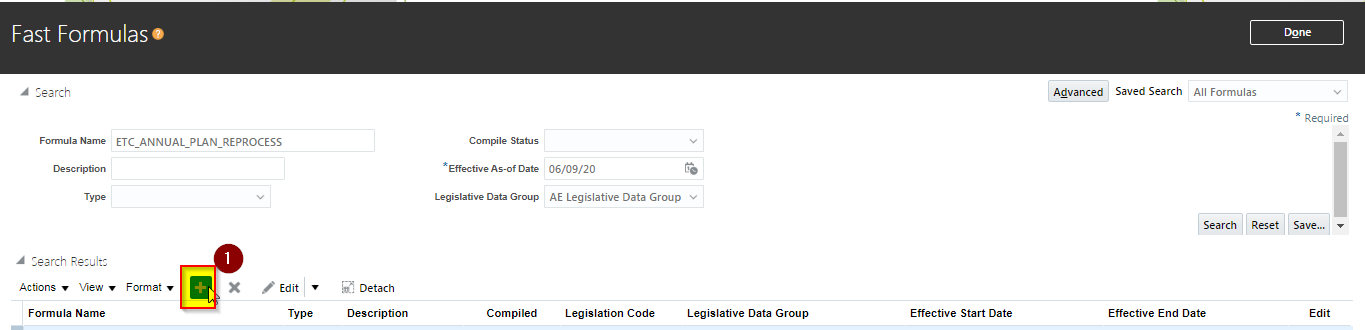
**Finally click on “Done” to close the correction of formula ETC\_ABSENCE\_ACCRUAL\_MATRIX\_FF**

1. The intent of this section is to define the details of each operation (to include pseudo code) required for each entity, module, or class within the component. Refer to Behavior Design (DS.100) and the Design class diagram, with a focus specifically on the Operations section for the Class. In the event that you do not have a class diagram use the table below.

## Creation of Fast Formula ETC\_ANNUAL\_PLAN\_REPROCESS

**Query for “ETC\_ABSENCE\_PLAN\_REPROCESS” in the Formula Name Field and click on Search Button**

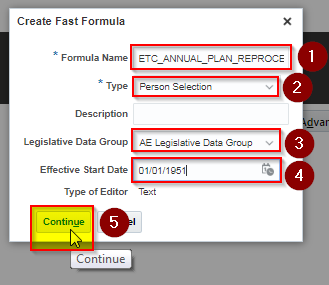
**No Record will be visible, click on “Plus” Symbol as in the snapshot below to create new Fast Formula**



In a new Formula pop up window, enter following details

|  |  |
| --- | --- |
| Formula Name | ETC\_ANNUAL\_PLAN\_REPROCESS |
| Type | Person Selection |
| Legislative Data Group | AE Legislative Data Group |
| Effective Start Date | 01/01/1951 |

After entering details, click on Continue button as in the snapshot below, this will open another window in which we will enter the Formula

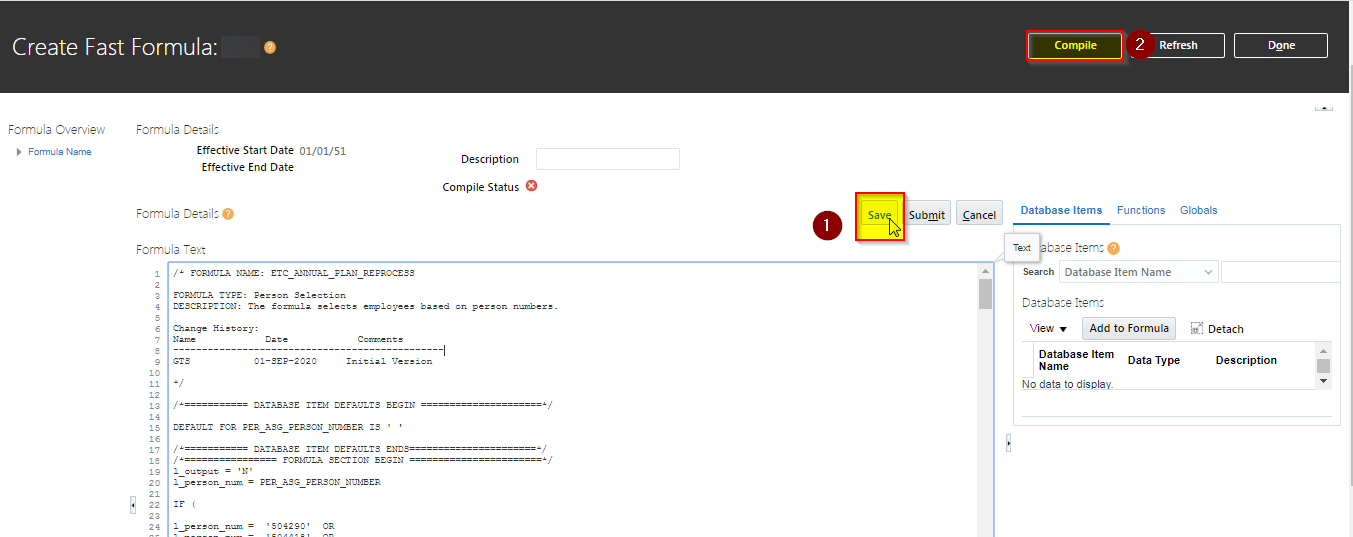


After new window opens up, enter Formula Text as in the Details after the snapshot and click on “Save” Button

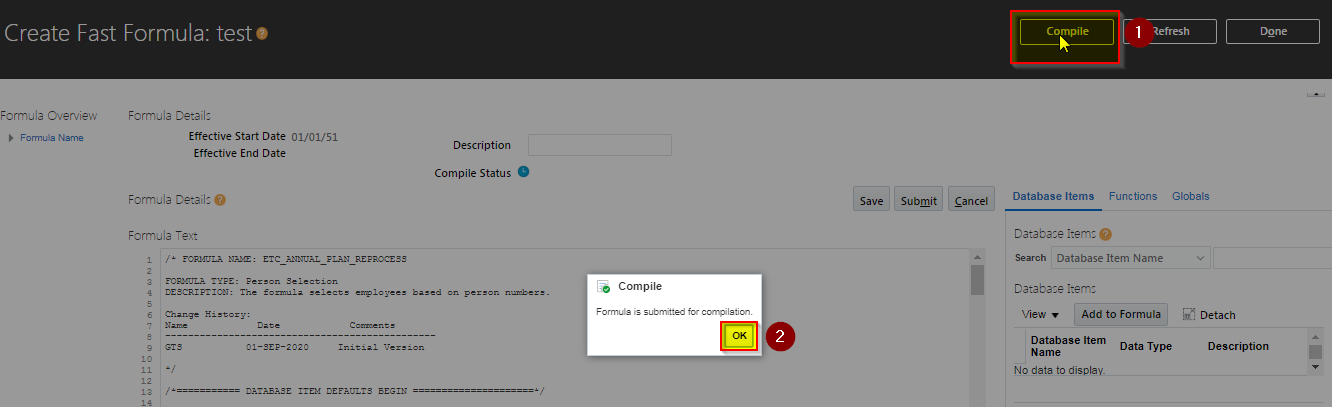
**Copy from the text below and update it in the Formula Text Region**

|  |
| --- |
| **Formula Text** |
| **/\* FORMULA NAME: ETC\_ANNUAL\_PLAN\_REPROCESS**  **FORMULA TYPE: Person Selection**  **DESCRIPTION: The formula selects employees based on person numbers.**  **Change History:**  **Name Date Comments**  **-----------------------------------------------**  **GTS 01-SEP-2020 Initial Version**    **\*/**  **/\*=========== DATABASE ITEM DEFAULTS BEGIN =====================\*/**  **DEFAULT FOR PER\_ASG\_PERSON\_NUMBER IS ' '**  **/\*=========== DATABASE ITEM DEFAULTS ENDS======================\*/**  **/\*================ FORMULA SECTION BEGIN =======================\*/**  **l\_output = 'N'**  **l\_person\_num = PER\_ASG\_PERSON\_NUMBER**  **IF (**  **l\_person\_num = '504290' OR**  **l\_person\_num = '504418' OR**  **l\_person\_num = '504890' OR**  **l\_person\_num = '504446' OR**  **l\_person\_num = '504451' OR**  **l\_person\_num = '504460' OR**  **l\_person\_num = '504314' OR**  **l\_person\_num = '504529' OR**  **l\_person\_num = '504734' OR**  **l\_person\_num = '504534' OR**  **l\_person\_num = '504419' OR**  **l\_person\_num = '504765' OR**  **l\_person\_num = '504731' OR**  **l\_person\_num = '504720' OR**  **l\_person\_num = '504542' OR**  **l\_person\_num = '504461' OR**  **l\_person\_num = '504395' OR**  **l\_person\_num = '504397' OR**  **l\_person\_num = '504530' OR**  **l\_person\_num = '504462' OR**  **l\_person\_num = '504335' OR**  **l\_person\_num = '504331' OR**  **l\_person\_num = '504793' OR**  **l\_person\_num = '504725' OR**  **l\_person\_num = '504791' OR**  **l\_person\_num = '504737' OR**  **l\_person\_num = '504783' OR**  **l\_person\_num = '504910' OR**  **l\_person\_num = '504493' OR**  **l\_person\_num = '504307' OR**  **l\_person\_num = '504608' OR**  **l\_person\_num = '504827' OR**  **l\_person\_num = '504600' OR**  **l\_person\_num = '504499' OR**  **l\_person\_num = '504411' OR**  **l\_person\_num = '504412' OR**  **l\_person\_num = '504524' OR**  **l\_person\_num = '504864' OR**  **l\_person\_num = '504358' OR**  **l\_person\_num = '504405' OR**  **l\_person\_num = '504816' OR**  **l\_person\_num = '504601' OR**  **l\_person\_num = '504900' OR**  **l\_person\_num = '504468' OR**  **l\_person\_num = '504823' OR**  **l\_person\_num = '504868' OR**  **l\_person\_num = '504312' OR**  **l\_person\_num = '504430' OR**  **l\_person\_num = '504449' OR**  **l\_person\_num = '504356' OR**  **l\_person\_num = '504390' OR**  **l\_person\_num = '504308' OR**  **l\_person\_num = '504296' OR**  **l\_person\_num = '504891' OR**  **l\_person\_num = '504303' OR**  **l\_person\_num = '504318' OR**  **l\_person\_num = '504571' OR**  **l\_person\_num = '504792' OR**  **l\_person\_num = '504407' OR**  **l\_person\_num = '504882' OR**  **l\_person\_num = '504560' OR**  **l\_person\_num = '504795' OR**  **l\_person\_num = '504320' OR**  **l\_person\_num = '504291' OR**  **l\_person\_num = '504302' OR**  **l\_person\_num = '504551' OR**  **l\_person\_num = '504899' OR**  **l\_person\_num = '504517' OR**  **l\_person\_num = '504347' OR**  **l\_person\_num = '504326' OR**  **l\_person\_num = '504458' OR**  **l\_person\_num = '504897' OR**  **l\_person\_num = '504346' OR**  **l\_person\_num = '504353' OR**  **l\_person\_num = '504796' OR**  **l\_person\_num = '504300' OR**  **l\_person\_num = '504598' OR**  **l\_person\_num = '504799' OR**  **l\_person\_num = '504304' OR**  **l\_person\_num = '504565' OR**  **l\_person\_num = '504787' OR**  **l\_person\_num = '504747' OR**  **l\_person\_num = '504779' OR**  **l\_person\_num = '504730' OR**  **l\_person\_num = '504803' OR**  **l\_person\_num = '504568' OR**  **l\_person\_num = '504772' OR**  **l\_person\_num = '504614' OR**  **l\_person\_num = '504782' OR**  **l\_person\_num = '504817' OR**  **l\_person\_num = '504467' OR**  **l\_person\_num = '504786' OR**  **l\_person\_num = '504421' OR**  **l\_person\_num = '504410' OR**  **l\_person\_num = '504301' OR**  **l\_person\_num = '504853' OR**  **l\_person\_num = '504543' OR**  **l\_person\_num = '504539' OR**  **l\_person\_num = '504562' OR**  **l\_person\_num = '504802' OR**  **l\_person\_num = '504759' OR**  **l\_person\_num = '504818' OR**  **l\_person\_num = '504376' OR**  **l\_person\_num = '504511' OR**  **l\_person\_num = '504537' OR**  **l\_person\_num = '504889' OR**  **l\_person\_num = '504908' OR**  **l\_person\_num = '504297' OR**  **l\_person\_num = '504351' OR**  **l\_person\_num = '504570' OR**  **l\_person\_num = '504352' OR**  **l\_person\_num = '504758' OR**  **l\_person\_num = '504777' OR**  **l\_person\_num = '504484' OR**  **l\_person\_num = '504323' OR**  **l\_person\_num = '504444' OR**  **l\_person\_num = '504707' OR**  **l\_person\_num = '504766' OR**  **l\_person\_num = '504810' OR**  **l\_person\_num = '504355' OR**  **l\_person\_num = '504822' OR**  **l\_person\_num = '504364' OR**  **l\_person\_num = '504427' OR**  **l\_person\_num = '504416' OR**  **l\_person\_num = '504776' OR**  **l\_person\_num = '504338' OR**  **l\_person\_num = '504746' OR**  **l\_person\_num = '504457' OR**  **l\_person\_num = '504469' OR**  **l\_person\_num = '504495' OR**  **l\_person\_num = '504508' OR**  **l\_person\_num = '504767' OR**  **l\_person\_num = '504330' OR**  **l\_person\_num = '504878' OR**  **l\_person\_num = '504576' OR**  **l\_person\_num = '504887' OR**  **l\_person\_num = '504585' OR**  **l\_person\_num = '504546' OR**  **l\_person\_num = '504699' OR**  **l\_person\_num = '504717' OR**  **l\_person\_num = '504701' OR**  **l\_person\_num = '504858' OR**  **l\_person\_num = '504518' OR**  **l\_person\_num = '504525' OR**  **l\_person\_num = '504417' OR**  **l\_person\_num = '504554' OR**  **l\_person\_num = '504778' OR**  **l\_person\_num = '504739' OR**  **l\_person\_num = '504862' OR**  **l\_person\_num = '504901' OR**  **l\_person\_num = '504425' OR**  **l\_person\_num = '504781' OR**  **l\_person\_num = '504763' OR**  **l\_person\_num = '504774' OR**  **l\_person\_num = '504869' OR**  **l\_person\_num = '504700' OR**  **l\_person\_num = '504762' OR**  **l\_person\_num = '504798' OR**  **l\_person\_num = '504409' OR**  **l\_person\_num = '504545' OR**  **l\_person\_num = '504820' OR**  **l\_person\_num = '504871' OR**  **l\_person\_num = '504880' OR**  **l\_person\_num = '504536' OR**  **l\_person\_num = '504538' OR**  **l\_person\_num = '504544' OR**  **l\_person\_num = '504801' OR**  **l\_person\_num = '504893' OR**  **l\_person\_num = '504892' OR**  **l\_person\_num = '504895' OR**  **l\_person\_num = '504557' OR**  **l\_person\_num = '504550' OR**  **l\_person\_num = '504559' OR**  **l\_person\_num = '504510' OR**  **l\_person\_num = '504804' OR**  **l\_person\_num = '504807' OR**  **l\_person\_num = '504716' OR**  **l\_person\_num = '504501' OR**  **l\_person\_num = '504828' OR**  **l\_person\_num = '504808' OR**  **l\_person\_num = '504736' OR**  **l\_person\_num = '504305' OR**  **l\_person\_num = '504424' OR**  **l\_person\_num = '504740' OR**  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**l\_person\_num = '504362' OR**  **l\_person\_num = '504439' OR**  **l\_person\_num = '504488' OR**  **l\_person\_num = '504531' OR**  **l\_person\_num = '504805' OR**  **l\_person\_num = '504509' OR**  **l\_person\_num = '504433' OR**  **l\_person\_num = '504523' OR**  **l\_person\_num = '504665' OR**  **l\_person\_num = '504574' OR**  **l\_person\_num = '504298' OR**  **l\_person\_num = '504582' OR**  **l\_person\_num = '504319' OR**  **l\_person\_num = '504549' OR**  **l\_person\_num = '504872' OR**  **l\_person\_num = '504754' OR**  **l\_person\_num = '504357' OR**  **l\_person\_num = '504452' OR**  **l\_person\_num = '504563' OR**  **l\_person\_num = '504459' OR**  **l\_person\_num = '504609' OR**  **l\_person\_num = '504398' OR**  **l\_person\_num = '504662' OR**  **l\_person\_num = '504336' OR**  **l\_person\_num = '504873' OR**  **l\_person\_num = '504528' OR**  **l\_person\_num = '504611' OR**  **l\_person\_num = '504321' OR**  **l\_person\_num = '504519' OR**  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**l\_person\_num = '504515' OR**  **l\_person\_num = '504580' OR**  **l\_person\_num = '504309' OR**  **l\_person\_num = '504773' OR**  **l\_person\_num = '504784' OR**  **l\_person\_num = '504556' OR**  **l\_person\_num = '504432' OR**  **l\_person\_num = '504327' OR**  **l\_person\_num = '504789' OR**  **l\_person\_num = '504586' OR**  **l\_person\_num = '504445' OR**  **l\_person\_num = '504394' OR**  **l\_person\_num = '504738' OR**  **l\_person\_num = '504516' OR**  **l\_person\_num = '504299' OR**  **l\_person\_num = '504854' OR**  **l\_person\_num = '504579' OR**  **l\_person\_num = '504504' OR**  **l\_person\_num = '504578' OR**  **l\_person\_num = '504477' OR**  **l\_person\_num = '504436' OR**  **l\_person\_num = '504896' OR**  **l\_person\_num = '504596' OR**  **l\_person\_num = '504317' OR**  **l\_person\_num = '504456' OR**  **l\_person\_num = '504567' OR**  **l\_person\_num = '504498'**  **) THEN**  **(l\_output = 'Y')**  **ELSE**  **(l\_output = 'N')**  **L\_RETURN = l\_output**  **RETURN L\_RETURN** |

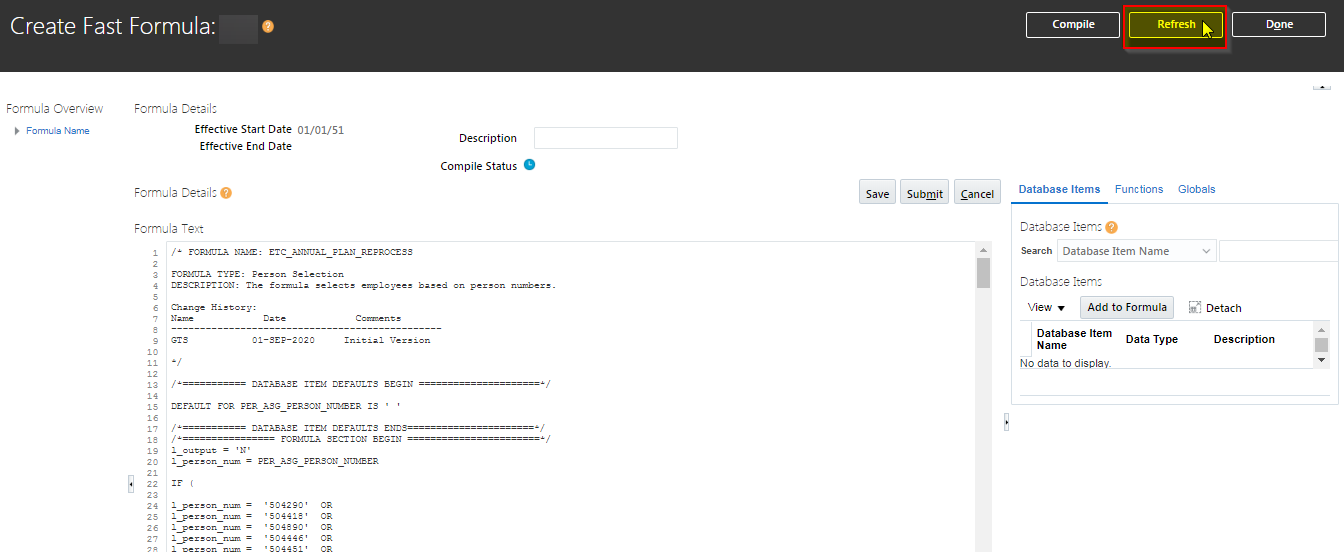
After entering the formula and click on save button and then the compile button



After clicking on compile button, a pop up shows up, click on “Ok” button



Finally click on “Refresh” button

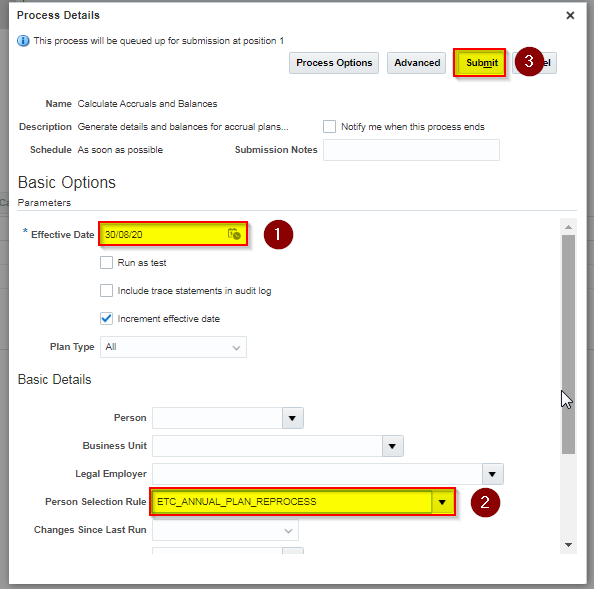


After clicking on “Refresh” Button, the Compile Status will change to “Green Check” as in the snapshot below, this closes the Fast Formula entry. Click on “Done” button to close the window.

## One Time Process to recalculate Accrual for specific staff for the last one year

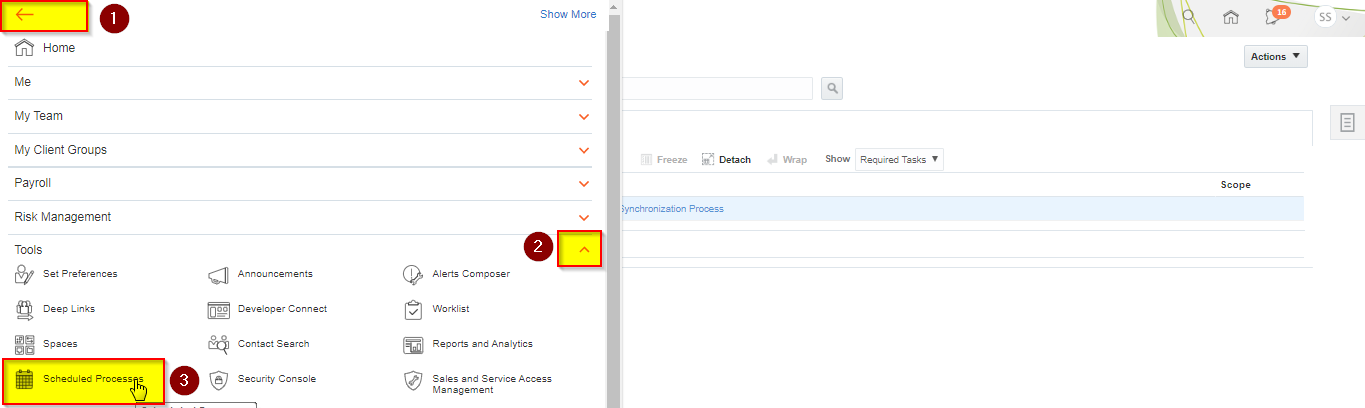
To Reprocess Accrual for staff who have not completed one year Service, execute the following program with relevant parameters each time with different effective date as in the table below

|  |  |
| --- | --- |
| Name | Calculate Accruals and Balances |
| Effective Date | 31/08/2019 |
| Effective Date | 30/09/2019 |
| Effective Date | 31/10/2019 |
| Effective Date | 30/11/2019 |
| Effective Date | 31/12/2019 |
| Effective Date | 31/01/2020 |
| Effective Date | 29/02/2020 |
| Effective Date | 31/03/2020 |
| Effective Date | 30/04/2020 |
| Effective Date | 31/05/2020 |
| Effective Date | 30/06/2020 |
| Effective Date | 31/07/2020 |
| Effective Date | 31/08/2020 |
| Process Selection Rule | ETC\_ANNUAL\_PLAN\_REPROCESS |

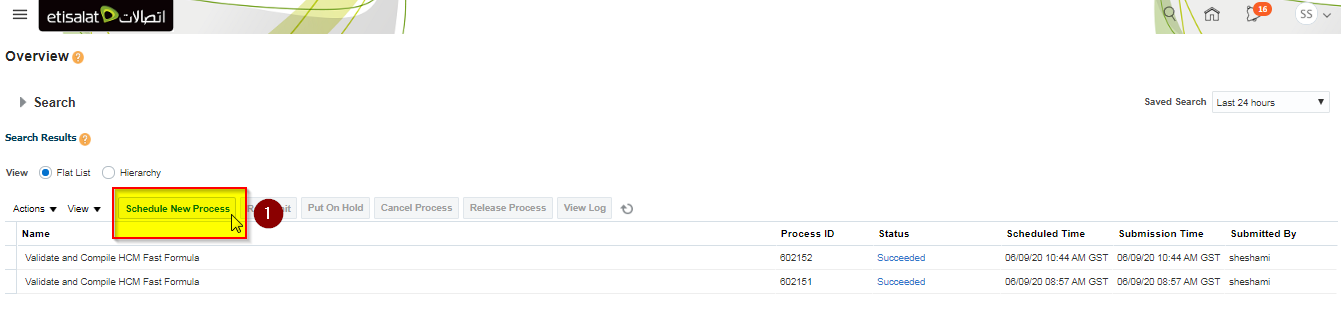


Steps to Execute Each program is as follows

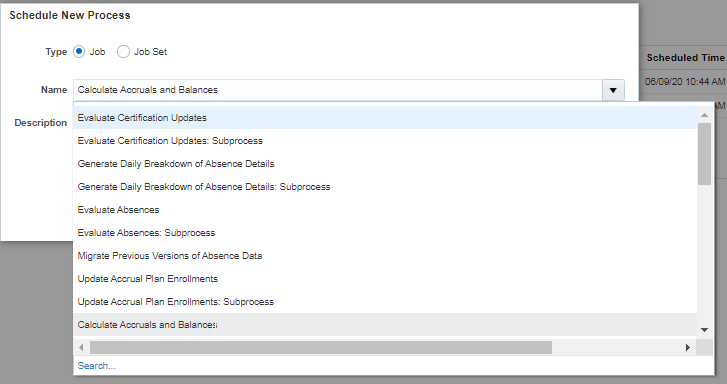
Click on Menu Option from Top Left🡪 click and expand on “Tools” Region 🡪 click on “Scheduled Processes” as in the snapshot below



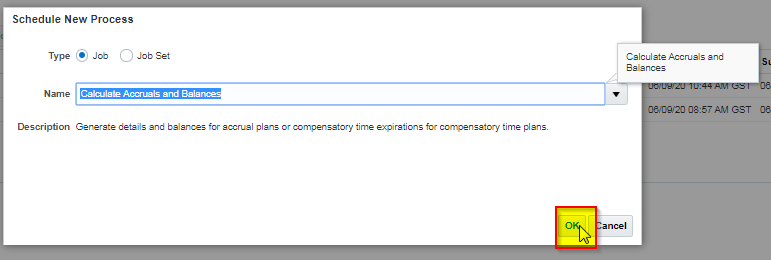
A new page opens up where we can submit a program, click on button “Schedule New Process”



A pop up window opens up, choose option “Job” and enter “Calculate Accruals and Balances” in Name Field and click on Ok

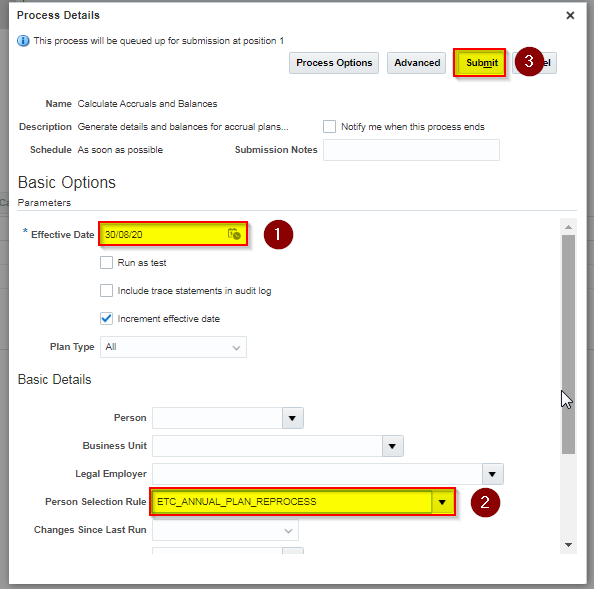


Click on ok to run the program

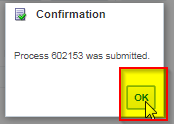


Enter following details and click on “Submit” Button

|  |  |
| --- | --- |
| Name | Calculate Accruals and Balances |
| Effective Date | 30/08/2020 |
| Process Selection Rule | ETC\_ANNUAL\_PLAN\_REPROCESS |

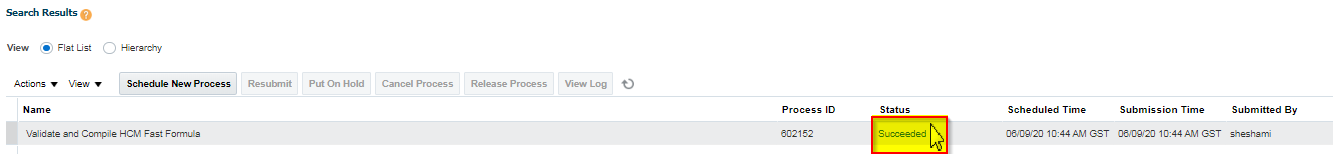


Click on “Ok” Button



To verify the status of program in the next screen the program name status will be shown as “Succeeded” in the snapshot below

This closes the one time program to recalculate accruals



# Open and Closed Issues

1. Add open issues that you identify while writing or reviewing this document to the open issues section. As you resolve issues, move them to the closed issues section and keep the issue ID the same. Include an explanation of the resolution.  
     
   When this work product is complete, any open issues should be transferred to the project- or process-level Issue Log (Manage focus area) and managed using a project level Issue Form (Manage focus area). In addition, the open items should remain in the open issues section of this work product, but flagged in the resolution column as being transferred.

## Open Issues

| ID | Issue | Resolution | Responsibility | Target Date | Impact Date |
| --- | --- | --- | --- | --- | --- |
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## Closed Issues

| ID | Issue | Resolution | Responsibility | Target Date | Impact Date |
| --- | --- | --- | --- | --- | --- |
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