

Restrict Changes on Approved Historical Absences

By: Ashish Harbhajanka

Introduction

Many a times there is a need that we would not want to allow any changes to be made on Approved Historical Absences.

Meaning of Approved Historical Absence

An absence transaction which has an end-date prior to current system date and has already been approved is referred to as a Approved Historical Absence

For Example, considering today's date (31-May-2020) as current system date:

Absence Booked From 03-May-2020 To 04-May-2020 and unapproved is **not a Approved Historical Absence**.

Absence Booked From 03-May-2020 To 04-May-2020 and approved is **Approved Historical Absence**.

Absence Booked From 29-May-2020 to 01-Jun-2020 and approved is **not a Approved Historical Absence**.

Absence Booked From 29-May-2020 to 01-Jun-2020 and not approved is **not a Approved Historical Absence**.

Scenar io	Absen ce Start Date	Absen ce End Date	Absence Status	Approv al Status	Approv ed Absenc e	Histori cal Absenc e	Approv ed Historic al Absenc e
1	01-May-2020	01-May-2020	Comple ted	Pendin g Approv al	No	Yes	No
2	01-May-2020	01-May-2020	Comple ted	Approv ed	Yes	Yes	Yes
3	29-May-2020	01-Jun-2020	In Progress	Pendin g Approva l	No	No	No

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4	29-May-2020	01-Jun-2020	In Progress	Approved	Yes	No	No
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As per the above table our intent is to ensure that we get an error message if we try to make changes in scenario 2, in all other cases changes should be allowed.

We will demonstrate how we can achieve the same.

Worked-Out Example

We need to ensure we already have a Absence Type present in the system on which we can apply the new condition. For this example we will use “*Special Vacation Leave*” Absence Type.

We will also need to create a Custom Error Message.

Navigation: Setup And Maintenance -> Manage Messages (Create)

Attribute Name	Attribute Text
Message Name	XX_ANC_RESTRICT_CHANGES_ERR
Application	Absence Management
Module	Absence Recording
Message Number	90000001
*Message Type	Error
Category	System
Severity	High
Logging Enabled	Checked
*Short Text	You cannot make changes to approved historical absences.

Also we would need to create a Custom Fast Formula . Details of Formula are given below:

Formula Text
<pre> /***** ***** FORMULA NAME: XX_ANC_SPECIAL_VACATION_LEAVE_VALIDATION FORMULA TYPE: Global Absence Entry Validation DESCRIPTION: This formula ensures that no changes can be made to approved past absences </pre>

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Change History: Name	Date	Comments

Ashish Harbhajanka	31-May-2020	Initial Version

*****/		
DEFAULT FOR PER_ASG_PERSON_NUMBER is 'X'		
DEFAULT FOR ANC_ABS_ENTRS_ABSENCE_STATUS_CD is 'Y'		
DEFAULT FOR ANC_ABS_ENTRS_APPROVAL_STATUS_CD is 'Z'		
DEFAULT FOR ANC_ABS_ENTRS_PER_ABSENCE_ENTRY_ID is 0		
DEFAULT FOR GLOBAL_PAY_INTERFACE_EXTRACTION_DATE is		
'1951/01/01'		
/*===== DATABASE ITEM DEFAULTS END		
=====*/		
/*===== FORMULA SECTION BEGIN		
=====*/		
/*=====INPUTS SECTION BEGIN=====*/		
INPUTS ARE IV_START_DATE (date), IV_END_DATE		
(date),IV_TOTALDURATION		
lc_valid = 'Y'		
lc_error_msg = ''		
ln_abs_entry_id = ANC_ABS_ENTRS_PER_ABSENCE_ENTRY_ID		
lc_abs_status_cd = ANC_ABS_ENTRS_ABSENCE_STATUS_CD		
lc_abs_appr_status_cd = ANC_ABS_ENTRS_APPROVAL_STATUS_CD		
ld_current_date =		
TO_DATE(GLOBAL_PAY_INTERFACE_EXTRACTION_DATE)		
/*=====INPUTS SECTION BEGIN=====*/		
IF (ln_abs_entry_id <> 0 AND lc_abs_status_cd = 'SUBMITTED' AND		
lc_abs_appr_status_cd = 'APPROVED' AND IV_END_DATE <		
ld_current_date)		
THEN		
(
VALID = 'N'		
ERROR_MESSAGE = 'XX_ANC_RESTRICT_CHANGES_ERR' /*You		
cannot make changes to approved historical absences. */		
lc_valid = 'N'		
lc_error_msg = 'XX_ANC_RESTRICT_CHANGES_ERR'		
RETURN VALID,ERROR_MESSAGE		
)		

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```
VALID = lc_valid
/*===== FORMULA SECTION END
=====*/
RETURN VALID
```

*Formula Name XX_ANC_SPECIAL_VACATION_LEAVE_VALIDATION Effective As-of Date 5/31/20

Type Global Absence Entry Validation

Formula Overview Formula Details

Formula Name Effective Start Date 1/1/51 Effective End Date Description This formula er Compile Status ✓ End Date Edit ▼

Formula Details ?

Formula Text

```
1 /*****
2 FORMULA NAME: XX_ANC_SPECIAL_VACATION_LEAVE_VALIDATION
3 FORMULA TYPE: Global Absence Entry Validation
4 DESCRIPTION: This formula ensures that no changes can be made to approved past absences
5 Change History: Name Date Comments
6 Ashish Harbhajanka 31-May-2020 Initial Version
7 *****/
8
9 DEFAULT FOR PER_ASG_PERSON_NUMBER is 'X'
10 DEFAULT FOR ANC_ASG_ENTRS_ABSENCE_STATUS_CD is 'Y'
11 DEFAULT FOR ANC_ASG_ENTRS_APPROVAL_STATUS_CD is 'Z'
12 DEFAULT FOR ANC_ASG_ENTRS_PER_ABSENCE_ENTRY_ID is 0
13 DEFAULT FOR GLOBAL_PAY_INTERFACE_EXTRACTION_DATE is '1951/01/01'
14
15 /***** DATABASE ITEM DEFAULTS END *****/
16 /***** FORMULA SECTION BEGIN *****/
17 /***** INPUTS SECTION BEGIN *****/
18 INPUTS ARE IV_START_DATE (date), IV_END_DATE (date), IV_TOTALDURATION
19
20 lc_valid = 'Y'
21 lc_error msg = ' '
```

As a next step, we will attach this new formula to Validation formula section of “Special Vacation Leave”.

View Type Special Vacation Leave Save Save and Close

*Session Effective Date 5/31/20

Basic Details

Effective Start Date 1/1/51 Effective End Date

Pattern Generic absence Legislation United States

Management User-defined

Type Attributes Plans and Reasons Display Features Action Items

General Attributes

Name Special Vacation Leave Conversion Formula

Description UOM Hours Validation Formula XX_ANC_SPECIAL_VACATION_LEAVE_VALIDATION

Legislative Data Group US Legislative Data Group Eligibility Profile

Status Active Legislative Grouping Code

And with this we have completed the configuration piece. We can now record some absences and check application behaviour.

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Verification

We have already recorded two absence for an employee and they have the following status:

Existing Absences

View

+

Add

⌂

Recalculate

Time Period


Last 6 months

Type

Status

Dates	Employer	Type	Duration	Status
5/29/20 - 6/1/20	US1 Legal Entity	Special Vacation Leave	18.000 Hours	In progress
5/1/20 - 5/1/20	US1 Legal Entity	Special Vacation Leave	9.000 Hours	Completed

As per the business requirement we should be able to make changes to the “In Progress” Absence transaction. We would add a comment “May extend for one more day” and try to submit.



Sandy Kim: Person Management

Person Number
40

Absence Records x

Absence Administration

* Absence Type Special Vacation Leave

Basic Mode

Single day ☐

* Start Date 5/29/20

* End Date 6/1/20

Duration 18.000 Hours

* Start Time 8:30 AM

* End Time 5:30 PM

Details

Plan Use

Action Items

Comments

May extend for 1 more day.

Confirmation


The request was submitted.

OK

We would try to add the same comment on the Historical Approved Absence and here we should not be able to make any change.

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Sandy Kim: Person Management

Person Number
40

[Absence Records](#) x

Error

You cannot make changes to approved historical absences. (ANC-90000001)

OK

Absence Administration

* Absence TypeSpecial Vacation Leave

Basic Mode

Single day☐

* Start Date5/1/20

* Start Time8:30 AM

* End Date5/1/20

* End Time5:30 PM

Duration9.000 Hours

Details

Plan Use

Action Items

Comments

May extend for one more day.

Summary

So this is how we can restrict any edits/changes to be made on Approved Historical Absence. One may try and extend this to ensure that this restriction only applies to Employees and Line Managers but not to HR Administrators.