

Chapter 2

Depreciation Calculation

Objectives

By the end of this chapter, you will be able to:

- Describe the Asset Management Depreciation Calculation process flow.
- Understand the Run Controls.
- Run the Depreciation Calculation batch process.

Overview

PeopleSoft Asset Management takes a flexible approach that allows you to set up depreciation criteria for financial and tax accounting. Transactions will be processed in the batch environment. An automated batch process will be scheduled to run this program. However, there may be a need to initiate Depreciation Calculation on an ad-hoc basis during month-end close. This chapter discusses the options of the ad-hoc process.

(DEPR)eciation (CALC)ulation

The Depreciation Calculation process involves one page:

- Request

How the system calculates depreciation

- Calculates “Begin Depreciation Date” (in-service + convention).
- Calculates remaining life and value (calculation type).
- Calculates annual depreciation.
- Calculates period depreciation allocation.
- Calculates any prior period depreciation (trans date).

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Menu

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Asset Depreciation

Unit: UCB Asset ID: 000000000001 Mountain Research Station Host Status: In Service

Book: CORP Corporate Book Currency: USD

Depreciation Attributes

Net Book Value

Cost: 456,110.53 As Of Fiscal Year: 2011 Period: 9

Salvage Value: 0.00

Accum Depr: 139,683.85

Net Book Value: 316,426.68 Calculate NBV

Yearly Depreciation

| Year | Depreciation Amount | Fund Code | Organization | Program Code | Sub-class | Project | Category | Cost Type |
|------|---------------------|-----------|--------------|--------------|-----------|---------|----------|-----------|
| 2011 | 142,534.54 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2012 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2013 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2014 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2015 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2016 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2017 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2018 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2019 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2020 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2021 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2022 | 11,402.77 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2023 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2024 | 11,402.77 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2025 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2026 | 11,402.77 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2027 | 11,402.76 | 74 | 10105 | 10814 | | | BLDGS | N |
| 2028 | 11,402.77 | 74 | 10105 | 10814 | | | BLDGS | N |

This is a Depreciation Inquiry showing the annual depreciation schedule created by the AMPDCALC process. This schedule is initially created when the ADD transaction is processed. All subsequent financial transactions will have some impact on this schedule which requires the AMDPCALC process to be run for all financial transactions.

Transaction Status

From the time an asset transaction is entered until it is processed in batch, the transaction has a status. The status changes according to the transaction's stage of processing. It is important to know the different statuses of your transactions to ensure they're processed successfully. Each asset financial transaction has two status flags – one for depreciation, and one for accounting entries. Each flag uses the same values as outlined below.

PeopleSoft Asset Management uses the following status codes:

| Status Codes | Explanation |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P | Pending The batch process has not yet run on this transaction. The system will place all transactions in a pending status upon being saved*. |
| C | Complete The batch process has been run successfully on this transaction. |
| N | Never The batch process will never run on this transaction. This status is reserved for accounting entry processing on the tax books. Because we do not interface tax accounting entries to PSGI, there is no need to create them. |

Run Control ID

A Run Control is a parameter interface that allows you to store runtime parameters for a batch program/process. These parameters can be set by the operator to “customize” the way that the job executes, or to limit the data that is processed. Run controls are operator specific, and you may create many run controls for each process if needed. All processes (programs, reports, etc) use run-controls in PeopleSoft.

NOTE: The Run Control ID will hold up to 30 characters and existing run controls may not be deleted.

Walkthrough

Go > Asset Management > Calculate Depreciation> Asset Depreciation > Calculate

Enter a valid Run Control ID and click Search/Add.

The screenshot shows the University of Colorado's Depreciation Calculation web application. On the left is a navigation menu with the following items: Leased Assets, Send/Receive Information, Financial Transactions, Calculate Depreciation, Open Transactions, Asset Depreciation (expanded), Calculate (selected), Expand by Period, Create Pending Transactions, Adjust Accumulated Depr, Calculate SL Depr for Tax, Process Open Trans for Tax, and Group Asset Depreciation. The main content area is titled "Depreciation Calculation" and includes the instruction: "Enter any information you have and click Search. Leave fields blank for a list of all values." Below this are two tabs: "Find an Existing Value" (active) and "Add a New Value". A search field contains the text "Run Control ID begins with AMDPCALC". There is a "Case Sensitive" checkbox which is unchecked. Below the search field are "Search" and "Advanced Search" buttons. At the bottom of the main area are links for "Find an Existing Value" and "Add a New Value".

For the Depreciation Calculation process, you can select a single transaction, or a range of open transactions for the Business Unit.

The screenshot displays the 'Run Depreciation Calculation' interface. On the left is a navigation menu with the following items: Leased Assets, Send/Receive Information, Financial Transactions, Calculate Depreciation, Open Transactions, Asset Depreciation (expanded), and various sub-options like 'Calculate', 'Expand by Period', 'Create Pending Transactions', 'Adjust Accumulated Depr', 'Calculate SL Depr for Tax', and 'Process Open Trans for Tax'. Below these are 'Group Asset Depreciation', 'What-If Scenarios', 'Depreciation Process Log', 'Review Cost/Depr Activity', 'Accounting Entries', 'Service and Repair', 'Physical Inventory', 'Mass Change', 'Archive Asset Information', 'Capital Acquisition Planning', and 'Reports'.

The main content area is titled 'Run Depreciation Calculation'. It shows 'Run Control ID: AMDPCALC' with links for 'Report Manager' and 'Process Monitor', and a 'Run' button. Below this is a 'Request' section with a table showing one request with ID '1' and 'Process Frequency' set to 'Always'. There is a 'Process in Parallel' checkbox. The 'Run Options' section includes fields for 'Unit' (UCD), 'Book Name' (CORP), 'From Asset' (000000007408), and 'To' (000000008263). At the bottom are buttons for 'Save', 'Return to Search', 'Refresh', 'Add', and 'Update/Display'.

Click on the Run button to run this process. The next page will be the Scheduler Request as seen on the following page.

Process Scheduler Request

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Menu

- Leased Assets
 - Send/Receive Information
 - Financial Transactions
 - Calculate Depreciation
 - Open Transactions
- Asset Depreciation
 - Calculate
 - Expand by Period
 - Create Pending Transactions
 - Adjust Accumulated Depr
 - Calculate SL Depr for Tax
 - Process Open Trans for Tax
 - Group Asset Depreciation
 - What-If Scenarios
 - Depreciation Process Log
 - Review Cost/Depr Activity
 - Accounting Entries
 - Service and Repair

Process Scheduler Request

User ID: R02368 Run Control ID: AMDPCALC

Server Name: PSUNX Run Date: 03/11/2011

Recurrence: Run Time: 1:45:15PM [Reset to Current Date/Time](#)

Time Zone:

| Select | Description | Process Name | Process Type | *Type | *Format | Distribution |
|-------------------------------------|----------------------------------------|--------------|--------------|--------|---------|------------------------------|
| <input checked="" type="checkbox"/> | Calculate Depreciation | AMDPCALC | SQR Process | Web | PDF | Distribution |
| <input type="checkbox"/> | Calculate Depreciation | AMDPCJOB | PSJob | (None) | (None) | Distribution |
| <input type="checkbox"/> | Calculate Depreciation - UDM | AMDPCUDM | SQR Process | Web | PDF | Distribution |

[OK](#) [Cancel](#) [Refresh](#)

Click the Select checkbox on the AMDPCALC SQR Process, and click OK to submit the job to run immediately. You may alter the time and date parameters to schedule the job to run later.

| Field | Description |
|--------------------|--------------------------------------------|
| Run Location | Click on Server for the run location. |
| Output Destination | Click on File, Printer or Window. |
| File/Printer | Enter the File/Printer name. |
| Run Date | Defaults to the current date. |
| Run Time | Defaults to the current time. |
| Time Zone | Allows you to select a relative time zone. |

Go > PeopleTools > Process Scheduler Process Monitor

View the status of your request. Click on the Refresh button to refresh the view.

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Menu

- Leased Assets
- Send/Receive Information
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- Items

Process List **Server List**

View Process Request For

User ID: R02368 Type: Last: 3 Days Refresh

Server: Name: Instance: to

Run Status: Distribution Status Save On Refresh

Process List Customize | Find | View All | First 1-11 of 11 Last

| Select | Instance | Seq. | Process Type | Process Name | User | Run Date/Time | Run Status | Distribution Status | Details |
|--------------------------|----------|------|--------------|--------------|--------|-----------------------|------------|---------------------|-------------------------|
| <input type="checkbox"/> | 4036522 | | SQR Process | AMDPALC | R02368 | 03/11/2011 1:45:15PM | Success | N/A | Details |
| <input type="checkbox"/> | 4036518 | | SQR Process | AMAEDIST | R02368 | 03/10/2011 4:28:34PM | Success | Posted | Details |
| <input type="checkbox"/> | 4036517 | | SQR Process | AMAEDIST | R02368 | 03/10/2011 4:24:20PM | Error | Posted | Details |
| <input type="checkbox"/> | 4036516 | | SQR Process | AMPS1000 | R02368 | 03/10/2011 11:28:18AM | Success | Posted | Details |
| <input type="checkbox"/> | 4036514 | | SQR Process | AMDPALC | R02368 | 03/10/2011 11:22:39AM | Success | Posted | Details |
| <input type="checkbox"/> | 4036513 | | SQR Process | AMIF1000 | R02368 | 03/10/2011 11:16:58AM | Success | Posted | Details |
| <input type="checkbox"/> | 4036510 | | SQR Process | AMIF1000 | R02368 | 03/10/2011 11:09:26AM | Success | Posted | Details |
| <input type="checkbox"/> | 4036509 | | SQR Process | AMIF1000 | R02368 | 03/10/2011 11:02:52AM | Error | Posted | Details |
| <input type="checkbox"/> | 4036497 | | SQR Process | AMDPALC | R02368 | 03/09/2011 12:24:28PM | Success | Posted | Details |
| <input type="checkbox"/> | 4036496 | | SQR Process | AMIF1000 | R02368 | 03/09/2011 11:12:39AM | Success | Posted | Details |
| <input type="checkbox"/> | 4036485 | | SQR Process | AMIF1000 | R02368 | 03/08/2011 3:28:13PM | Success | Posted | Details |

[Go back to Depreciation Calculation](#)

REVIEW QUESTIONS

1. Tell us how the system calculates depreciation.
2. What parameters are required to run the DEPR CALC process?
3. What page do you find the Refresh Button to refresh your view of the status of your request?
4. Is it possible to process DEPR CALC for another Business Unit? If so, how would you do this?