

## Effective Dates and Multiple Table Joins

When doing table joins on effective dated information, you will rarely modify the criteria that PeopleSoft automatically creates. If you do need to change the criteria, be certain you're changing the correct rows of criteria. Here is an example:

Let's say we want a report that retrieves employees' current name, department and salary (The "A" record below), but we want their benefit elections (The "B" record below) as they were on January 1, 2005.

By default query manager will retrieve current information from both tables.

Add Criteria    Group Criteria    Reorder Criteria

Criteria					
Logical	Expression1	Condition Type	Expression 2	Edit	Delete
	A.EFFDT - Effective Date	Eff Date <=	Current Date (EffSeq = Last)	Edit	[-]
AND	A.EMPLID - EmplID	equal to	B.EMPLID - EmplID	Edit	[-]
AND	A.EMPL_RCD - Empl Rcd Nbr	equal to	B.EMPL_RCD - Empl Rcd Nbr	Edit	[-]
AND	B.EFFDT - Effective Date	Eff Date <=	Current Date	Edit	[-]

Save    Save As    New Query    Preferences    Properties    New Union    Return to Search

To do this query we need to change the last row of criteria to appear as follows:

Add Criteria    Group Criteria    Reorder Criteria

Criteria					
Logical	Expression1	Condition Type	Expression 2	Edit	Delete
	A.EFFDT - Effective Date	Eff Date <=	Current Date (EffSeq = Last)	Edit	[-]
AND	A.EMPLID - EmplID	equal to	B.EMPLID - EmplID	Edit	[-]
AND	A.EMPL_RCD - Empl Rcd Nbr	equal to	B.EMPL_RCD - Empl Rcd Nbr	Edit	[-]
AND	B.EFFDT - Effective Date	Eff Date <=	2005-01-01	Edit	[-]

Save    Save As    New Query    Preferences    Properties    New Union    Return to Search

This criterion will retrieve all of the employee data that is current and the benefits information that was current on January 1, 2005.