Ending a Session

After data is written and read in, use the **PPCEnd** function to end the session (identified by the session reference number). You may receive an error if you use the **PPCEnd** function to end a session that has already been terminated.

The following program illustrates how you use the **PPCEnd** function to end a session.

```
// Ending a PPC session using the PPCEnd function

// Assuming inclusion of MacHeaders
#include <PPCToolBox.h>

// Prototype your end function like this prior to calling it
OSErr MyPPCEnd(PPCSessRefNum);

OSErr MyPPCEnd(PPCSessRefNum theSessRefNum)
{
    PPCEndPBRec thePPCEndPBRec;

    // Set the Session ref number to pass to PPCEnd
    thePPCEndPBRec.sessRefNum = theSessRefNum;

    // Return result of PPCEnd
    return PPCEnd(&thePPCEndPBRec, FALSE);    // synchronous
}
```

The **PPCEnd** function causes all calls to the **PPCRead** and **PPCWrite** functions to complete (with a sessClosedErr result code) and invalidates the session reference number. The **PPCEnd** function also releases any **PPC Toolbox** resources so that they can be reused.

Use the **PPCClose** function to close the port specified by the port reference number. When you close a port, all sessions associated with a port are ended. Any active asynchronous calls associated with a session then call their completion routines (if they have one).

The following program illustrates how you use the **PPCClose** function to close a port.

```
// Closing a PPC port using the PPCClose function

// Assuming inclusion of MacHeaders
#include <PPCToolBox.h>

// Prototype your PPCClose routine like this prior to calling it
OSErr MyPPCClose (PPCPortRefNum);

OSErr MyPPCClose(PPCPortRefNum thePortRefNum)
{
    PPCClosePBRec theClosePBRec;
```

```
        // Set the proper portRefNum, which is grabbed from PPCOpen function
        theClosePBRec.portRefNum = thePortRefNum;

        return PPCClose(&theClosePBRec, FALSE);    // synchronous
    }
```

In this example, the call to **PPCClose** is made synchronously.