Using Publisher and Subscriber Options

There are special options associated with publishers and subscribers within documents. Your application can use the publisher and subscriber options dialog boxes provided by the **Edition Manager** to make these choices available to the user. You should make these dialog boxes available to the user by creating a menu command in the **Edit** menu that toggles between publisher options (when the user has selected a publisher within a document) and Subscriber Options (when a user has selected a subscriber within a document).

When a user chooses these menu commands, you need to display the corresponding publisher or subscriber options dialog box. Use the **SectionOptionsDialog** function to display the appropriate dialog box on the user's screen.

err = **SectionOptionsDialog** (*reply*);

Each dialog box contains information regarding the section and its edition. As a shortcut for the user, you should display the publisher options dialog box when the user double-clicks on a publisher section within a document. You should display the subscriber options dialog box when the user double-clicks on a subscriber section within a document.

You pass a SectionOptionsReply record as a parameter to the **SectionOptionsDialog** function.

Set the sectionH field of the SectionOptionsReply structure to the handle to the section record for the section the user selected.

Upon return of the **SectionOptionsDialog** function, the canceled and changed fields are set. If the canceled parameter is set to TRUE, the user canceled the dialog box. Otherwise, this parameter is FALSE. If the changed parameter is TRUE, the section record is changed. For example, the user may have changed the update mode .

The action parameter contains the code for one of five user actions. All action codes dismiss the publisher and subscriber options dialog boxes when complete.

- action code is 'read' for user selection of the Get Edition Now button

- action code is 'writ' for user selection of the **Send Edition Now** button

- action code is 'goto' for user selection of the **Open Publisher** button

- action code is 'cncl' for user selection of the **Cancel Publisher** or **Cancel Subscriber** button

- action code is '   ' (0x20202020) for user selection of the **OK** button

The Listing below shows an example of how your application can respond to the action codes received from the section options reply record. There are several different techniques that your application can use to accomplish this--this listing shows one technique.

```c
// Responding to action codes
// Assuming inclusion of MacHeaders
#include <Editions.h>

// This is a sample declaration for the pointer to your document information.
typedef struct {
    short resForkRefNum;
    FSSpec fileSpec;
    SectionHandle  sectionH;
    short nextSectionID;
    } *MyDocumentInfoPtr;

// Prototype your routine like this prior to calling it
void DoOptionsDialog(SectionHandle);

void  DoOptionsDialog(SectionHandle theSection)
{
    SectionOptionsReply   reply;
    EditionInfoRecord theEditionInfo;
    ResType action;
    OSErr sodErr;
    OSErr geiErr;
    OSErr gpsErr;

    // User defined function prototypes
    void SectionHasChanged(SectionHandle);
    void DoReadEdition(SectionHandle);
    void DoWriteEdition(SectionHandle);
    void MyErrHandler(OSErr);

    reply.sectionH = theSection;
    sodErr = SectionOptionsDialog(&reply);

    // Determine what the user did and handle appropriately.
    if ( reply.canceled )
        // The user changed his/her mind; simply return.
        return;

    if ( reply.changed )
        // The section record has changed; make note of this.
        // SectionHasChanged is a routine to accomplish this.
        SectionHasChanged(theSection);

        // If you customize, you may want to do some post-processing now.

    action = reply.action;                          // Get the action code.

    if (action = 'read') {
        // User selected Get Edition Now button.
        DoReadEdition(theSection);
        return;
    }

    if (action = 'writ') {
```

```
            // User selected Send Edition Now button.
            DoWriteEdition(theSection);
            return;
      }

      if (action = 'goto') {
            // User selected Open Publisher button.
            geiErr = GetEditionInfo(theSection, &theEditionInfo);

            // There's usually no error returned here, but if
            // there is, then don't continue with this operation.
            if ( geiErr )
              MyErrHandler(geiErr);

            gpsErr = GoToPublisherSection(&theEditionInfo.container);

            // Same comment as above. Pass control to MyErrHandler
            // if there's an error.
            if  ( gpsErr )
              MyErrHandler(gpsErr);
            return;
      }

      if (action = 'cncl')
            // User selected Cancel Publisher or Cancel Subscriber button.
            // Call the UnRegisterSection function and dispose of the
            // section record and the alias record.
            return;
}
```

The following sections describe the features of the publisher and subscriber options dialog boxes.