

Communication Sequence

To receive application material over the Internet, your institution must be capable of running the Internet FTP protocol directly. Your workstation must have an Internet Protocol (IP) address and a standard Windows networking support package, **WINSOCK32.DLL**, properly installed on your network or workstation. This application will allow you access to the Internet through Windows.

ERASCom is the communications piece between a client's computer and the ERAS PostOffice. The file **erascom32.dll** is written in the **C:\ERASDW.K10** directory and must always be present for communication and data transfer to take place. Listed below are the processes that occur when a client **Contacts the ERAS PostOffice**.

ERASCom Upload Sequence

- Obtain a listing from the output directory.
- Sort files numerically.
- Compress data file(s).
- Encrypt data file(s).
- Transfer data file(s).
- Transfer control file(s).
- Confirm upload.
- Add upload record in the sent.txt file.
- Remove control and data files.

ERASCom Download Sequence

- Obtain a listing from the server.
- Download data file(s).
- Decrypt data file(s).
- Decompress data file(s).
- Check if back up file exists. If one does exist, it should be deleted.
- Check if a file already exists with that name. If it does, rename it to be a back up file.
- Confirm download.
- Add download record in the new.txt file.

ERASCom Temp File/Directories

- Temp File to store the upload file list.
- Temp File to store the download file list.
- Temp files when encrypting/decrypting the data file(s).
- Temp files when compressing/expanding the data file.
- If the Temp directory is set, ERASCom stores files that have just been downloaded in that directory.