

Installation of GEMS

The downloaded GEMS file is created on a UNIX station as an uncompressed tar file. It can easily be un-tarred on other UNIX systems or un-zipped on NT systems. The installation process creates a gsc folder for both complete and upgrade versions. When installing the later, it is important to install it in the same location as your existing GEMS files as the upgrade process is simply over writing files. Alternatively, you could untar/unzip the file anywhere and then copy the gsc folder to the existing gsc folder.

The gsc folder can exist anywhere on your operating system. Special instructions are listed below in order for Arc/Info to recognize the folder. Do not alter the content structure of the gsc folder.

File paths are given in UNIX format, however the same file structure of GEMS also applies to Windows NT systems.

These files were created in the following environment:

Platform: Sun SPARC stations

Operating System: Solaris 2.7 (UNIX)

ARC/INFO version: 7.2.1

gsc/amls Folder

The gsc/amls folder is the GEMS atool folder. For ARC/INFO to recognize this folder you must use the &ATool directive or place the following line in your Arc/Info start-up file (\$home/.arc for UNIX, %HOME%/arc.aml for Windows NT):

```
&ATool /path_to_gsc_folder/gsc/amls
```

A sample.arc file exists in the gsc/support folder to copy and modify as needed. If you use more than one atool path, ensure the gsc/amls atool path is the first one in your list. Refer to the AML directive &ATool for more information.

Note for NT users: You will have to define the system environment variable HOME to equal the path where the your arc.aml startup file resides. This can be done from the Environment tab in the System Properties window (Settings > Control Panel > System), using the same procedures when installing Arc/Info and defining Arc/Info system environment variables.

Syntax and description for all commands/AMLs residing in the atool folder can be found in the GSC Design Specifications PDF document available from the web site listed below.

gsc/archive Folder

The gsc/archive folder is used to store user-created menus and amls that others can use. It is structured in the same format as an atool folder. The menus are accessible from within GEMS but function independently.

gsc/gems Folder

The gsc/gems folder contains the files for the graphical user interface, known as GEMS (Geological Mapping System). It is aimed at improving production time and shortening the ARC/INFO learning curve. It has all of the necessary ARC, ARCEDIT and ARCPLOT commands for map production in menu form. It also has some special routines for creating map borders and the like. It does not have any menus for GRID, DYNAMIC SEGMENTATION, NETWORK, TIN, etc... only what is required to get a map published from digital data to hard copy.

gsc/covers Folder

The gsc/covers folder contains covers that are used by some of the ARCPLOT atool commands that exists in sub-directories to which they are associated with, and an archive location of covers used with the legend routine.

gsc/archome Folder

The gsc/archome folder contains files in the same structure as where the ARC/INFO files are stored. These files consists of customized symbolsets, fonts and colours that the GSC has created and uses as a standard. They should be copied to the respective \$ARCHOME folders. This folder is not used by GEMS and can be deleted if not required. In GEMS release 1.3, a tool exists to copy the required symbolsets and IGL fonts from the gsc folder to your Arc/Info symbols and IGL (igl63exe) folders.

The following files are edited versions from the original files that is supplied when ARC/INFO is loaded. If you have made any changes to these files on your system, you might have to do some editing to combine the two versions.

archome/symbols/colorfile
archome/locale/c/fontindex

You may need special privileges to accomplish these tasks or get your system administrator to assist.

gsc/e00s Folder

This folder contains all covers, grids, markersets, linesets, shadesets, textsets, and IGL fonts that exist in the above directories exported as ARC/INFO interchange files (E00) for those who operate on platforms other than SUN SPARC workstations or are having difficulties with Arc/Info seeing the native files under the archome folder. Use the IMPORT command to restore them and copy them to the respective \$ARCHOME folder. This folder is not used by GEMS and can be deleted if not required.

gsc/support Folder

This folder contains a sample Arc/Info start-up file, the PostScript file of the digitizing menu, graphics file of the latest GSC shadeset and examples used with the legend command. This folder is not used by GEMS and can be deleted if not required.

gsc/logos Folder

This folder contains EPS logos of provincial agencies. This folder is not used by GEMS and can be deleted if not required.

Who to Contact

If you experience any difficulties in loading any of these files, or encounter a repetitive annoying bug, please try to re-create the problem and record the event to a watch file with echo turned on, and send the watch file to me along with a description of the problem. With this information I will be able to resolve the problem and either issue a patch or included in a future release.

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