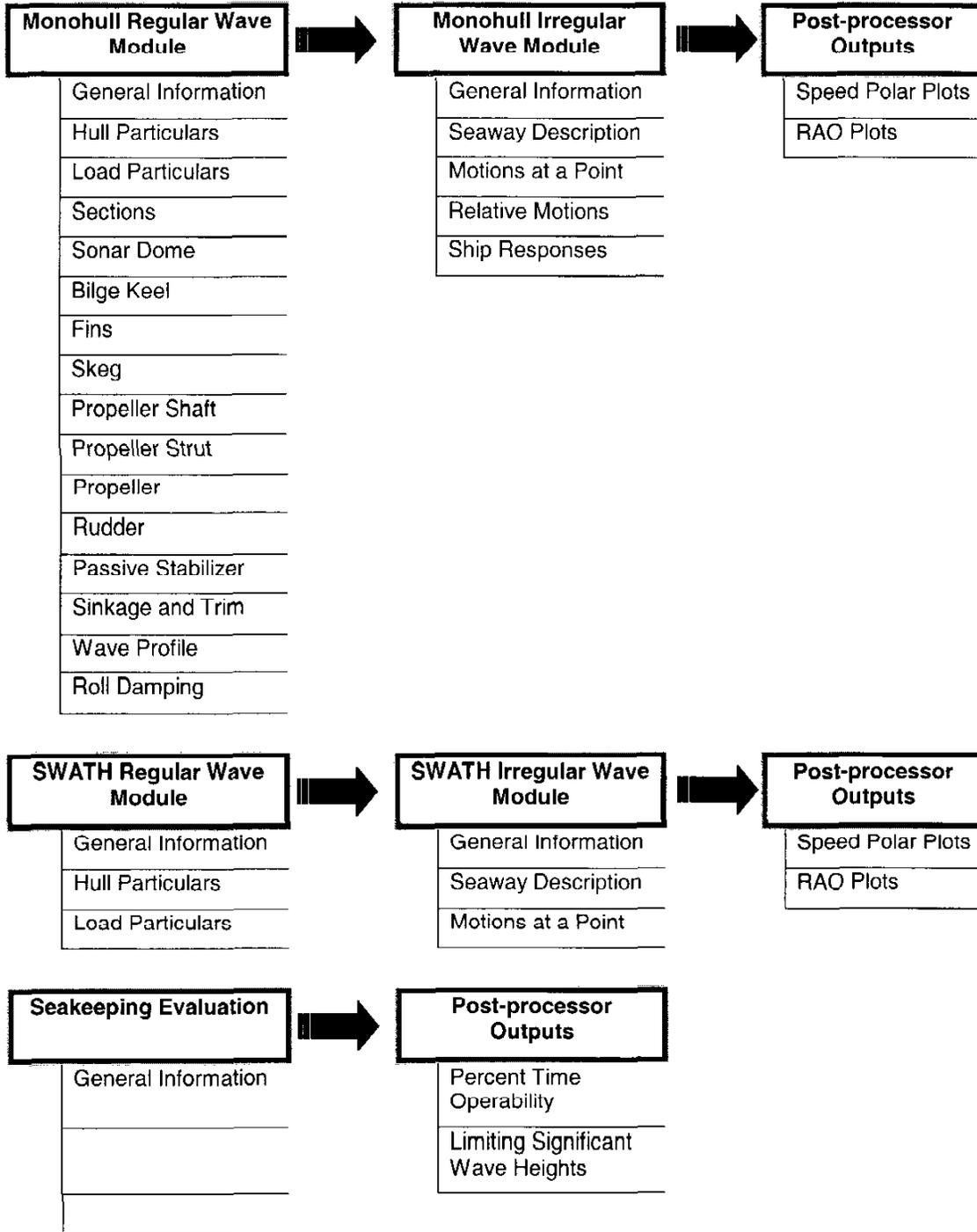


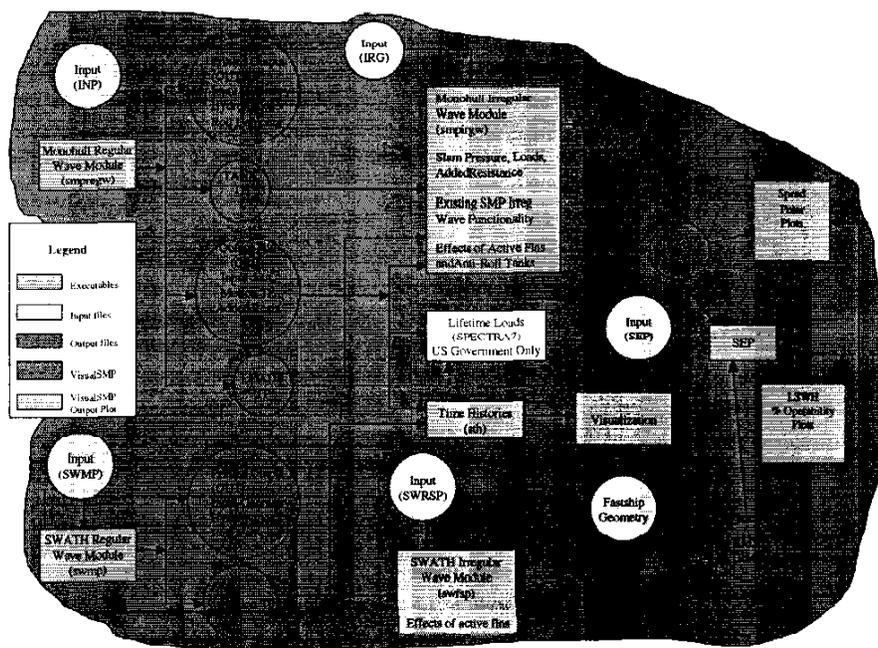
### 3 VisualSMP Analyses Process Description



VisualSMP analyses are conducted in a logical, flow oriented process. Once the basic hull form type is determined (monohull or SWATH) the user will develop both regular and irregular wave input files. The format for these files is significantly different in that there are separate input menus for monohull and SWATH ships. The system uses the base part of the file name to link different modules, therefore a particular ship analysis must have the same base name for the regular, irregular, and evaluation input files, the output files will also be created using the same base name.

Program output can be graphically viewed in the forms of speed polar plots, RAO plots, limiting significant wave height plot, and percent time operability plots. There will also be text files suitable for sending to a printer, or incorporating into reports.

### VisualSMP System 1



The general structure and data flow of the VisualSMP system is shown in the diagram above. Note that both monohull and SWATH calculated motions can be fed into the seakeeping evaluation program.