

B. Mapping Scheme Converter Tool (MaSC)

B.1. Background

Default mapping schemes provided with HAZUS[®]99 for application to California vary by seismic zone and are stored in three (3) DBF files for each seismic zone, representing construction built to low, moderate and high seismic design levels. A HAZUS[®]99 study region can make use of more than one mapping scheme at a time; any available mapping scheme can be assigned to any individual or group of census tracts. In HAZUS[®]MH the occupancy mapping schemes have been restructured to make certain global updates easier. However, this has rendered certain more precise updates very difficult. MaSC allows a user to convert HAZUS[®]99 formatted mapping scheme tables (e.g., readily editable DBF files) into HAZUS[®]MH occupancy mapping tables through a simple Graphical User Interface (GUI). The following sections describe the system requirements and steps involved in running MaSC.

B.2. System Requirements

- Operating system: Microsoft[®] Windows 98, Windows 2000, Windows XP
- HAZUS[®]99, or HAZUS[®]99 mapping schemes.
- HAZUS[®]MH MR-1

B.3. Running the Mapping Scheme Converter (MaSC)

The following is a step-by-step instruction guide to run the Mapping Scheme Converter (MaSC):

1. Copy the MaSCv_01.exe provided on CD onto your computer hard drive
2. Start the application by clicking on the MaSCv_01.exe file. The name of the HAZUS[®]MH SQL server database should appear automatically.
3. Specify the HAZUS[®]MH study region name using the drop down list. (After running the program, the converted mapping scheme will be accessible only in this study region.)
4. Select the HAZUS[®]99 mapping schemes file. Although you will need three files (*.lgb, *.mgb, and *.hgb), the MaSC program assumes all 3 have the same basic filename, and only requires you to identify one of the files.
5. Provide a description for the new HAZUS[®]MH mapping scheme file (optional). This description will appear next to the mapping scheme name in HAZUS[®]MH.
6. Press the “run” button to complete conversion.
7. A message window will report when conversion is complete.

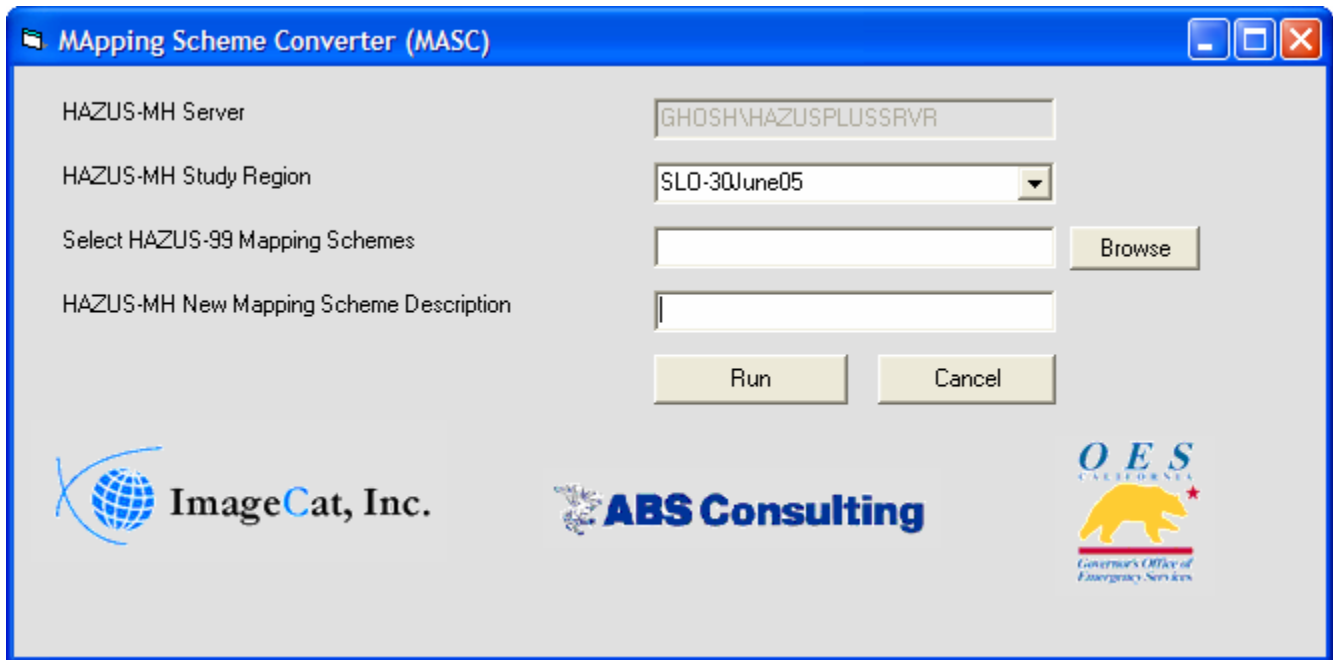


Figure B.1. The Mapping Scheme Converter (MaSC)

The new HAZUS^{®MH} mapping scheme will be added to the study region specified in step 3 above. This is accessible through the HAZUS^{®MH} “Inventory”, “General Building Stock”, “Occupancy Mapping” menu selections. The new HAZUS^{®MH} mapping scheme is created with the naming convention US# (where US indicates “User input”, and the # is the number of the new mapping scheme created for the study region). For example, if you create three new mapping schemes for a particular study region, the new mapping schemes will be named US1, US2 and US3 respectively.

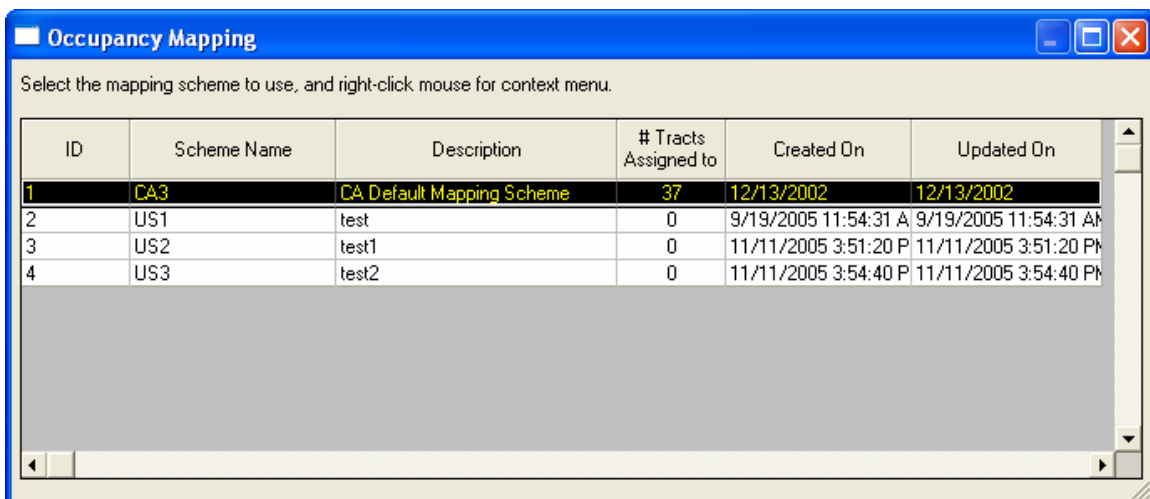


Figure B.2. HAZUS^{®MH} Occupancy Mapping dialogue showing 3 new mapping schemes added to the study region