The Hazus Model results are typically not widely shared until the "finite
interface" MOA inspections were performed on request using ATC
6,411 grid.xml and loads it into SQL server for $2,345,389
grid.xml including spectral ground motions. The
Hazus results are translated and applied to specific uses including the estimates of ATC
54
Although total economic losses are high, structural only losses remained relatively low as
38
48
642
The above represents Level 1 "out
of-the-box" Hazus results
HAZUS applies fragility functions based on Permanent Ground Deformation (PGD) to the
products for the purpose of continued
enhancements to the online interface
improvement of loss estimation results. The latest Hazus release includes enhancements to the online interface
for discovery and download of the detailed ShakeMap grid.xml including spectral ground motions.
The highlights of interface are outlined below:

1. Real-time search of USGS GeoAdH earthquake feed based on Hazus study region parameters.
2. Geomean over peak direction is applied based on improved performance in past
earthquakes.
3. The event to analyze is selected [note: Hazus requires spectral ground motions (PSA03,
PSA10, PGA and PGV) to model earthquake damages using the capacity spectrum
method].
4. Hazus downloads the high resolution ShakeMap grid.xml and loads it into SQL server for Hazus analysis.

HAZUS – ShakeMap Interface
The Hazus program continues to enhance the interface with ShakeMap products for the purpose of continued
improvement of loss estimation results. The latest Hazus release includes enhancements to the online interface
for discovery and download of the detailed ShakeMap grid.xml including spectral ground motions.
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