

A: Scenarios of seismic retrofit to an existing building

a1: change in use/occupancy.

a2: build an addition

a3: alteration in renovation.

a4: an enforcement authority decrees an upgrading for public safety, such as BC school seismic retrofit

a5: an relocated building works in an area with different climatic loads.

a6: seismic code updating

BESI' Comments: a common challenge for different scenarios of seismic retrofit is that the seismic loading condition is changed, resulting in the existing SFRS needs to be retrofitted.