

Cybershake Run Manual

A more up to date run manual is available here: [Ground motion simulation run manual \(20p07\)](#)

Here are the sequential steps to run Cybershake NZ:

Step 1: Determine the list of faults considered

Step 2: Determine the number of simulation jobs for a given fault

Step 3: Create SRFs for all realisations of the considered faults

Step 4: Generate velocity models for the considered faults

Step 5: Run input verification and core-hour estimation

Step 6: Submit simulation jobs to HPC

Step 7 and onwards needs to be added once the codebase for the IM verification part of the workflow is stabilised.

IM calc and IMagg

Verify IM based on epsilon

Plot IM, and empirical median

Calculate hazard

Plot for a list of sites

visualization tools