

August 2016

### **NTHMP Mapping & Modeling Subcommittee (MMS) Benchmarking Criteria**

1. All NTHMP benchmark problems are/will be posted on the NTHMP website for public reference, download, and use.
2. Models in use by NTHMP partners will appear on the NTHMP website.
3. Developers of tsunami models not currently in use by NTHMP partners may at any time submit results of benchmarking with posted problems to the MMS co-Chairs. The MMS co-Chairs will review submissions for completeness and then notify the NTHMP membership of results availability and provide instructions for download. Models for which results are submitted carry no MMS endorsement and will not be put on the NTHMP website nor included in the list of in-use models publically posted.
4. MMS will conduct no formal evaluation of benchmark results nor endorse the use of any models not intended for use by NTHMP partners. A determination for use will be made by MMS should, at any time, one or more NTHMP Mapping & Modeling Subcommittee representatives ([http://nws.weather.gov/nthmp/mms\\_membership.html](http://nws.weather.gov/nthmp/mms_membership.html)) express the intent to use a specific model not before evaluated. The evaluation of benchmarking results by MMS might not be necessary if a submitted model is deemed to be not significantly different from an already in-use model.
5. Models presented to MMS that may be variations of an existing in-use model will first be reviewed by the existing model developer to determine whether changes are significant to warrant a new round of benchmarking. MMS will not serve as arbitrator in disputes involving model copyrights, naming conventions, or questionable results. Dispute settlement is the responsibility of the presenting modeler. Models free of dispute will be considered for evaluation of benchmarking results by MMS once an NTHMP partner expresses interest in use.
6. Subject to maximum allowable attendance, benchmarking workshops will be open to invitees and interested modelers to showcase their models. Results from all participant models will be included in the workshop final report.