

Edits to the Meteorological Hydrological Flood Standards
Flood Standards Development Committee Meeting
January 29, 2015

MHF-2, Flood Parameters and Characteristics

Standard

Jack Nicholson: **Editorial**

- C. Flood characteristics produced by the model ~~will~~ shall be scientifically defensible.

MHF-3, Flood Probabilities

Standard

Jack Nicholson: **Technical**

Problem: The title of the standard only addresses probabilities. The nature of the severity should be reflected in the flood footprint (see B. below). The standard should address more than coastal flooding.

Explanation: The standard's title should be expanded to include severities. We do this with hurricane standards by considering probabilities associated with various hurricane categories. The severity or a surrogate thereof can be the flood footprint which illustrates the area and depth of the flooding (and may also indicate a "duration" of the flood event that could later impact damage and insured losses – given such data are available. The pertinent characteristics of the flood event (or various types of events including fluvial and pluvial flooding) should relate to all types of flooding (see edits for C. below).

Amendatory/Suggested Language:

MHF-3 Flood Probabilities and Severities

- B. Modeled flood frequency distributions and the flood footprint structures shall be scientifically defensible and shall be consistent with flooding observed for Florida over the time frames relevant to each data source and shall be consistent with those observed for each coastal and inland segment (or partition) of Florida and in which the flood event could occur in other parts of the United States where flooding damage impacts Florida.
- C. Flood models shall use pertinent characteristics of standing water prior to receding to assess severity of damage for coastal flooding associated with wind related flood events, as well as for fluvial and pluvial flooding events.

MHF-4, Flood Footprint Structure

Standard

Jack Nicholson: **Technical**

Problem: The standard needs to account for a full explanation of the flood footprint and as drafted leaves out “rising waters.”

Explanation: The standard includes the term “relevant forces,” but is rising water a “force” or something else? It needs to be specifically included. Additionally, the factors that interact with “contents” need to be recognized.

Amendatory/Suggested Language:

- D. The flood model shall account for [rising water and other](#) relevant forces that interact with structures [and their contents](#).

Disclosures

Jack Nicholson: **Editorial**

1. Provide visual descriptions (sufficient to illustrate various regions in Florida) illustrating the flood footprint for coastal, [fluvial](#), and ~~inland~~ [pluvial](#) flooding.

Jack Nicholson: **Editorial**

Reorder MHF-3 Flood Probabilities and Severities and MHF-Flood Footprint Structure to MHF-3 Flood Footprint Structure and MHF-4 Flood Probabilities and Severities.