



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
SOUTH PACIFIC DIVISION, CORPS OF ENGINEERS
1455 MARKET STREET
SAN FRANCISCO, CALIFORNIA 94103-1399

CESPD-PDP (FRM-PCX)

26 August 2015

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Flood Damage Reduction Analysis (HEC-FDA) Certification

1. References:

- a. EC 1105-2-412, Assuring Quality of Planning Models, 31 March 2012.
- b. Memorandum CECW-P, 2 December 2014, subject: Flood Damage Reduction Analysis (HEC-FDA) Certification (Encl).

2. Flood Damage Reduction Analysis (HEC-FDA) version 1.4 has been certified by HQUSACE (reference 1.b.). The HEC-FDA 1.4 software and supporting documentation are available on the HEC website: <http://www.hec.usace.army.mil/software/hec-fda/>. The supporting documentation includes release notes that provide information about installing the software and importing data from prior versions of HEC-FDA. The notes also provide a summary of the program modifications incorporated into HEC-FDA 1.4.

3. One major modification incorporated into HEC-FDA 1.4 is the introduction of a new method for computing uncertainty about graphical probability curves. This change produces more reasonable confidence limits about graphical probability curves and provides more consistent results when using such curves. HEC-FDA 1.4 may produce different results than HEC-FDA 1.2.5a for some studies due to this change.

4. Migration to HEC-FDA 1.4 is required for all ongoing Flood Risk Management (FRM) studies that have not held a Tentatively Selected Plan (TSP) milestone, or equivalent milestone, as of 30 November 2015. All other studies may continue to use the version of HEC-FDA that was certified at the time of the decision to release the draft report for public review. The project review plan should be updated as appropriate to reflect the version of HEC-FDA being used in the study.

5. If migration to HEC-FDA 1.4 presents an undue burden to small-scale feasibility studies and Continuing Authority Program studies, permission to use HEC-FDA 1.2.5a may be granted by the Flood Risk Management Planning Center of Expertise (FRM-PCX) on a study by study basis. To request permission for continued use HEC-FDA 1.2.5a on a study, Districts must submit the following information through the MSC Regional Economist to the FRM-PCX Deputy Director:

- a. A current project review plan and most recent report synopsis,
- b. A current study milestone schedule, including the estimated release date of draft report for public review,

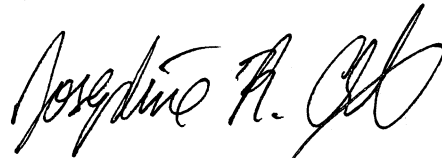
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- c. A brief summary of economic analyses to date, including whether analytical or graphical probability curves are being used,
- d. The estimated scope (tasks, schedule, cost) to migrate to HEC-FDA 1.4, and
- e. A description of how migrating to HEC-FDA 1.4 presents an undue burden to study execution.

6. The FRM-PCX Deputy Director and MSC Regional Economist will jointly consider District requests for continued use of HEC-FDA 1.2.5a on specific studies and determine if permission for continued use is warranted. If the FRM-PCX Deputy Director and MSC Regional Economist are unable to reach a mutually satisfactory consensus on whether permission is warranted, the decision will be elevated to the FRM-PCX Director.

7. The point of contact for this memo is Mr. Eric Thaut, FRM-PCX Deputy Director, 415-503-6852, email eric.w.thaut@usace.army.mil.



JOSEPHINE R. AXT, Ph.D.
Director, Flood Risk Management
Planning Center of Expertise

Encl

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