

Memorandum

*Flex your power!
Be energy efficient!*

To: All DES Staff

Date: November 16, 2012

From: PHILIP J. STOLARSKI 
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Subject: **IMPLEMENTATION OF THE 2012 CALTRANS FAULT DATABASE (VERSION 2A)
AND ACCELERATION RESPONSE SPECTRUM ONLINE (VERSION 2.0.4)**

Effective Friday, November 16, 2012, all projects (internal and consultant-prepared reports) without previous Type Selection approval shall be designed in accordance with the 2012 California Department of Transportation (Caltrans) Fault Database (Version 2a) and the Acceleration Response Spectrum (ARS) Online web tool (Version 2.0.4). These updates have gone through the internal quality review process by the Geotechnical Earthquake Engineering Team and approved by the Division of Engineering Services (DES) Executive Earthquake Committee.

A summary of updates to the Caltrans Fault Database and the ARS Online web tool are listed in the *Technical References* section of the ARS Online website including new guidelines and tools to help geotechnical designers. ARS Online (Version 2.0.4) and the Caltrans Fault Database (Version 2a) are available at http://dap3.dot.ca.gov/shake_stable/v2/index.php. The faults shown on ARS Online are only to be used in developing ground motions for use in design but are not to be used for surface fault rupture studies.

This memo should be forwarded to all staff, as applicable. Questions regarding the Caltrans Fault Database or fault rupture should be directed to Martha Merriam at (916) 227-7135 and any questions regarding ARS Online or Appendix B of the Seismic Design Criteria (SDC) should be directed to Tom Shantz at (916) 227-7245

- c: Karla Sutliff – Acting Chief, Division of Engineering Services
- Terry Abbott – Division of Design
- Denix Anbiah – Division of Local Assistance
- Dolores Valls – Structure Maintenance & Investigations