

QC/QA Requirements for ARS Online Version 2

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In August 2009, Geotechnical Services issued a memo requiring all geotechnical staff and consultants to use quality control/quality assurance (QC/QA) procedures when using 2009 Seismic Design Procedures (SDP), which included the use of ARS Online Version 1 and the 2007 Caltrans Fault Database. Since the 2009 SDP was a major change from our past practice, QC/QA procedures were implemented and required that an independent checker verify the design response spectrum generated using the ARS Online Version 1 for use in geotechnical reports.

Enhancements in the new ARS Online V2 web tool have improved the development of response spectrum. These improvements were verified by an internal quality review process. As a result, QC/QA procedures are no longer required when using ARS Online V2. The elimination of the QC/QA procedures by no way removes the responsibility of geotechnical professionals to check their own work. Verification tools are available in the *Technical References* section of ARS Online V2 website (see web link below).

http://dap3.dot.ca.gov/shake_stable/v2/technical.php