

Meeting Minutes

IEEE Switchgear Committee Meeting C37.81 and C37.82 Working Group

September 23, 2014

IEEE C37.81 Guide for Seismic Qualification of Class 1E Metal-Enclosed Power Switchgear Assemblies

IEEE C37.82 Standard for the Qualification of Switchgear Assemblies for Class 1E Applications in Nuclear Power Generating Stations

The meeting was opened by Dave Riffe with an introduction to the subject documents.

All members and Guests introduced themselves and affiliation.

Doug Edwards	Siemens
Mike Flack	Southern Company
Ryan McClarnon	Powell Industries
Dave Riffe	Westinghouse
Richard Rohr	Powell Industries
Amy Rowell	Eaton
Donnie Swing	Powell Industries
Helmut Weiher	Utility Relay Company

The meeting agenda was approved.

The approved PARs for both C37.81 and C37.82 were reviewed and found acceptable.

The 2013 revision to IEEE 344 and proposed changes to IEEE 323 were reviewed. These documents are the generic IEEE seismic qualification and qualification standards.

The working group concurred on the following items.

IEEE 344 was changed from a Recommended Practice to a Standard. C37.81 will remain a Guide.

IEEE 344 eliminated use of the term Class 1E and added Seismic Category I and Seismic Category II. C37.81 and C37.82 Revisions will incorporate this change.

IEEE 323 is being revised as a dual use IEC and IEEE standard. C37.81 and C37.82 will remain IEEE documents.

IEEE 344 was revised to include seismic requirements for sites with ground motion frequency greater than 33 HZ. C37.81 and will be revised to include requirements for these high frequency sites. This will require creating additional or revising the Generic Response Spectra.

IEEE 344 was revised to include greater instruction on performing fragility testing. C37.81 will not provide detailed instruction on fragility testing, but will refer to IEEE 344 for guidance on this subject.

The allowable limits for contact chatter were discussed. Mike Flack has the action to investigate and provide recommended limits for contact chatter.

Pre-conditioning requirements for equipment undergoing seismic testing was discussed. The mechanical endurance limits for circuit breaker operation and racking, from the applicable IEEE standard, will be the recommended pre-conditioning requirement.

Dave Riffe has the action to submit a draft of C37.81, incorporating the items discussed above, to the working group by 10/23/14.

Submitted:

Dave Riffe PE

WG Chair

9/24/14