

May 29, 2015

Weili Cheng APC by Schneider Electric Floor 4, Building #9, No. 3000 Longdong Ave. Pudong, Shanghai, China 201203

Re: Galaxy VM Uninterrupted Power Supply 2012 IBC & 2013 CBC Seismic Certification

Forell/Elsesser has reviewed shake table test reports 71370R13, 71235R14, 71542R14, PR035625-TR-15 prepared by NTS Huntsville (formerly Wyle Laboratories), which summarize testing for the Galaxy VM UPS product line. The testing was performed according to the requirements of ICC-ES AC156 and demonstrated that the equipment satisfied testing requirements for  $I_p$ =1.5, Site Class D,  $a_p$ =2.5,  $R_p$ =6.0, and z/h = 1.0.

In accordance with ASCE 7-10, which contains the seismic provisions of the 2012 International Building Code [IBC] and 2013 California Building Code [CBC], AC156 is an acceptable test procedure for determining the seismic certification of equipment. ASCE 7-10, Section 13.2.1.2.b allows for testing alone to be used to satisfy all IBC & CBC seismic design requirements for electrical equipment.

Using AC156 procedures, F/E has determined that the test results demonstrate the adequacy of the Galaxy VM units up to the peak ground seismicity ( $S_{DS}$ ) shown in the table below. Therefore, F/E concludes that the test data demonstrates that the Schneider Electric Galaxy VM product line is certified for installation in accordance with the seismic provisions of the 2012 IBC and 2013 CBC for any site with a site-specific  $S_{DS}$  equal or less than the attached  $S_{DS}$  table and at any location within a building.

Sections	Mounting	S <sub>DS</sub> (g)
Power & I/O Sections, System Bypass Cabinets, Transformer Cabinets, and Classical Battery Cabinets	Floor-mounted	2.02
Modular Battery Cabinets	Floor-mounted	1.36
	Floor-mounted w/ top restraints	2.02
Battery Breaker Boxes	Wall-Mounted	2.16

Special seismic certification pre-approval by the Office of Statewide Health Planning & Development [OSHPD] is pending.

Should you any questions or need further information please do not hesitate to contact us.

Thank you.

Sincerely,

FORELL/ELSESSER ENGINEERS, INC.

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