



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0196

HCAI Special Seismic Certification Preapproval (OSP)

Type:  New  Renewal

Manufacturer Information

Manufacturer: APC by Schneider Electric

Manufacturer's Technical Representative: Kin Keat

Mailing Address: 800 Federal Street, Andover, MA 01810

Telephone: (978) 975-9461

Email: kin.keat@se.com

Product Information

Product Name: UPS and Batteries

Product Type: UPS

Product Model Number: Symmetra LX

General Description: Symmetra LX UPS units in seismic racks. Karim

Mounting Description: Rigid, Floor Mounted

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: Pre Compliance

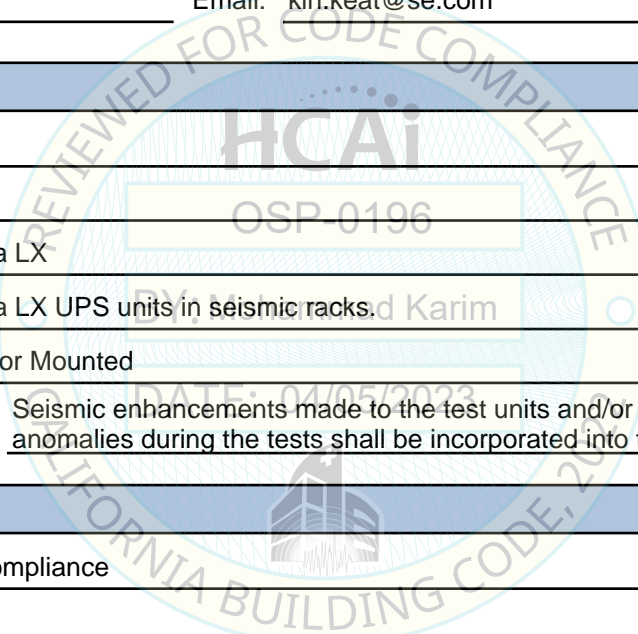
Contact Person: Galen Reid

Mailing Address: 36 Southwest Wall Street, Bend, OR 97702-3425

Telephone: (541) 241-2310

Email: galen@go-pre.com

Title: Principal





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**California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)**

Company Name: PRE COMPLIANCE

Name: Andrew Coughlin California License Number: S6082

Mailing Address: 36 SW Wall Street, Bend, OR 97702

Telephone: (415) 635-8461 Email: Andy@go-pre.com

**Certification Method**

GR-63-Core  ICC-ES AC156  IEEE 344  IEEE 693  NEBS 3

Other (Please Specify): \_\_\_\_\_

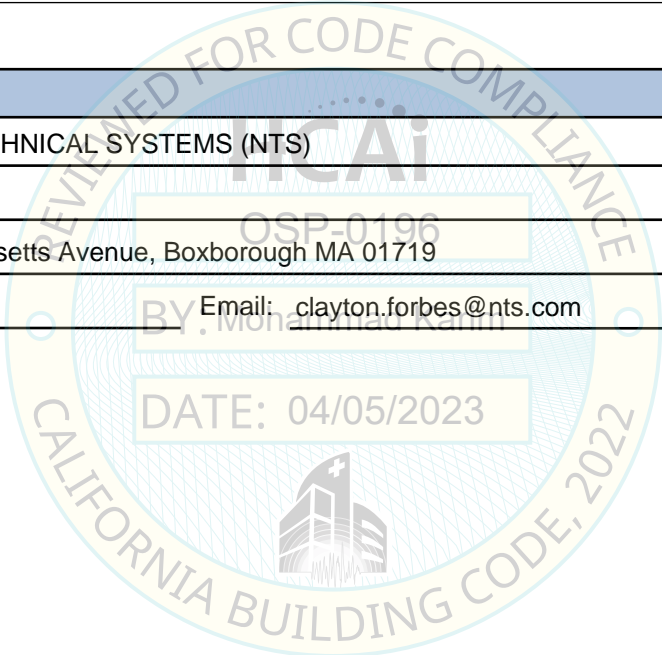
**Testing Laboratory**

Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)

Contact Person: Clayton Forbes

Mailing Address: 1146 Massachusetts Avenue, Boxborough MA 01719

Telephone: (978) 266-1001 Email: clayton.forbes@nts.com





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**Seismic Parameters**

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 1.40

SDS (Design spectral response acceleration at short period, g) = 1.86

$a_p$  (Amplification factor) = 2.5

$R_p$  (Response modification factor) = 6

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

$z/h$  (Height ratio factor) = 1 and 0

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

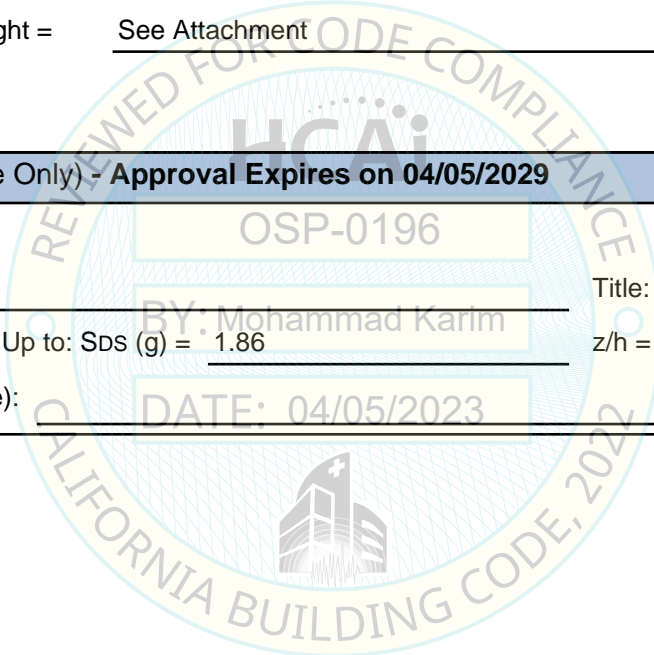
**HCAI Approval (For Office Use Only) - Approval Expires on 04/05/2029**

Date: 4/5/2023

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 1.86 z/h = 1 and 0

Condition of Approval (if applicable): DATE: 04/05/2023















## UUT 1

Test Report# TR63570-12I-RCK2b&6

### Test Configuration

**Center of Gravity Height: 37"**

42		42
41	SURTA1500RMXL2U UPS	41
40		40
39		39
38		38
37		37
36		36
35		35
34		34
33	SURTD3000RMXL3U UPS	33
32		32
31		31
30	BY: Mohammad Karim	30
29	SURT8000RMXL6U UPS	29
28		28
27	DATE: 04/05/2023	27
26		26
25		25
24		24
23		23
22		22
21		21
20	SURT20KRMXLT UPS	20
19	SURT192RMXLP2	19
18		18
17		17
16		16
15		15
14		14
13		13
12		12
11		11
10		10
9		9
8		8
7	SYA4K8RMP UPS	7
6		6
5		5
4		4
3		3
2		2
1		1



## UUT 2

Test Report# TR-303808-09I

### Test Configuration

**Center of Gravity Height: 26"**

42		42
41		41
40		40
39		39
38		38
37		37
36		36
35		35
34		34
33		33
32		32
31		31
30		30
29		29
28	BY: Mohammad Karim	28
27		27
26		26
25	DATE: 04/05/2023	25
24		24
23		23
22		22
21		21
20		20
19		19
18		18
17		17
16		16
15		15
14		14
13		13
12		12
11		11
10	SYA16K16RMP UPS	10
9		9
8		8
7		7
6		6
5		5
4		4
3		3
2		2
1		1