



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: **OSP – 0418 – 10**

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: RF Technologies Inc

Manufacturer's Technical Representative: _____

Mailing Address: 3125 N 126th St, Brookfield, WI 53005

Telephone: 262-373-5112 Email: plarson@rft.com

Product Information

Product Name: Central Power Supply, 15VDC, 9A, Class II

Product Type: Used with Code Alert and Safe Place Solutions

Product Model Number: Part # 9450-0555

(List all unique product identification numbers and/or part numbers)

General Description: Connects multiple components to one central power source. Used with fire alarm systems and call stations

Mounting Description: Rigid wall mounted

Applicant Information

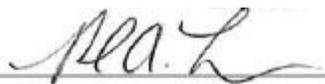
Applicant Company Name: RF Technologies Inc

Contact Person: Paul Larson

Mailing Address: 3125 N 126th St, Brookfield, WI 53005

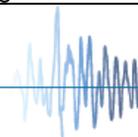
Telephone: 262-373-5112 Email: plarson@rft.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2013.

Signature of Applicant:  Date: 12-10-14

Title: VP of Technology Company Name: RF Technologies Inc

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





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

Company Name: Rice Engineering

Name: Gustave L. Schmoll California License Number: 6131

Mailing Address: 105 School Creek Trail

Telephone: 920-845-1042 Email: gusschmoll@rice-inc.com

Supports and Attachments Preapproval

- Supports and attachments are preapproved under OPM- _____
(Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
- Supports and attachments are not preapproved

Certification Method

- Testing in accordance with: ICC-ES AC156
- Other (Please Specify): _____

Testing Laboratory

Company Name: Environ Laboratories

Contact Name: Kent L. Erickson

Mailing Address: 9725 Girard Avenue South, Minneapolis, MN 55431

Telephone: 952-888-7795 Email: KLE@environlab.com





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Seismic Parameters

Design in accordance with ASCE 7-10 Chapter 13: [X] Yes [] No

Design Basis of Equipment or Components (Fp/Wp) = 1.80

Sds (Design spectral response acceleration at short period, g) = 2.5

ap (In-structure equipment or component amplification factor) = 1.0

Rp (Equipment or component response modification factor) = 2.5

Omega_0 (System overstrength factor) = 2.5

Ip (Importance factor) = 1.5

z/h (Height factor ratio) = 1.0

Equipment or Component Natural Frequencies (Hz) = N/A

Overall dimensions and weight (or range thereof) = 6" deep x 16" wide x 16" high; 30 lbs

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: [] Yes [X] No

Design Basis of Equipment or Components (V/W) =

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

Sd1 (Design spectral response acceleration at 1 second period, g) =

R (Response modification coefficient) =

Omega_0 (System overstrength factor) =

Cd (Deflection amplification factor) =

Ip (Importance factor) = 1.5

Height to Center of Gravity above base =

Equipment or Component Natural Frequencies (Hz) =

Overall dimensions and weight (or range thereof) =

Tank(s) designed in accordance with ASME BPVC, 2010: [] Yes [X] No

List of Attachments Supporting Special Seismic Certification

[X] Test Report(s) [] Drawings [] Calculations [] Manufacturer's Catalog

[X] Other(s) (Please Specify): Manufacturer's installation guide with specifications.

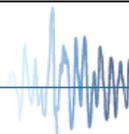
OSHPD Approval (For Office Use Only) - Approval Expires on December 31, 2019

Signature: [Handwritten Signature] Date: 5/22/2015

Print Name: M. R. Karim Title: SHFR

Special Seismic Certification Valid Up to : Sds (g) = 2.5 z/h = 1.0

Condition of Approval (if applicable): Approval is limited to units identical to tested unit.



**Unit Under Test (UUT)
Summary Sheet**

Manufacturer: RF Technologies, Inc

Product Line: Class II Central Power Supply, 15 VDC 9 A

Part Number: 9450-0555

Product Construction Summary:

Enclosure is constructed out of 16 gage (0.060") cold rolled carbon steel. ASTM A366.

Subcomponents Tested:

Internal components are not interchangeable

UUT Properties

Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
30	6	16	16	N/A*	N/A*	N/A*

Shake Table Test Parameters

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2013	ICC-ES AC 156	2.5g	1	1.5	3.98g	2.99g	1.66g	0.67g

Test Mounting Details:

Unit was mounted to the test table fixture through the back panel using (4) 1/4-20 stainless steel thru bolts. Alloy groups 1, 2, or 3 (300 series only), condition A, F_y = 30 ksi, F_u = 75 ksi minimum.

Unit maintained structural integrity and functionality after the ICC-ES AC 156 test



Note: N/A* - indicates that the natural frequencies of the UUT were dominated by the test table fixture.