



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

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

OFFICE USE ONLY

APPLICATION #: OSP-0732

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Philips Healthcare (Suzhou) Co., Ltd.

Manufacturer's Technical Representative: Xiujian He

Mailing Address: 258, Zhongyuan Road, Wuzhong District, Suzhou, 201701 Jiangsu, China

CHINA Telephone: +86 189 3086 8977

Email: xiujian.he@philips.com

Product Information

Product Name: Spectral CT

Product Model Number(s): Spectral CT, Spectral CT 7500 RT, Spectral CT Verida, Spectral CT Verida RT

Product Category: CT Systems

Product Sub-Category: CT Systems

General Description: Multiple component system for the provision of Computed Tomography medical diagnostic imaging. Special Seismic Certification is limited to components of the systems identified in Attachment 1 for functions related to Computed Tomography (CT) diagnostic imaging services.

Mounting Description: Several - See Certified Product Tables

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: 324 NW Hill St., Bend, OR 97703

Telephone: (541) 241-2310

Email: galen@go-pre.com

Title: Principal & Program Manager



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

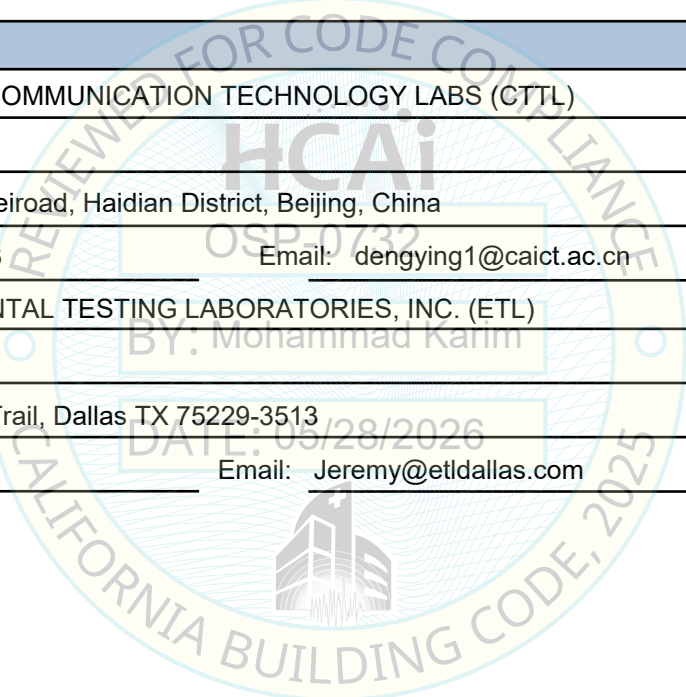
Company Name: PRE COMPLIANCE
 Name: Andrew Coughlin California License Number: S6082
 Mailing Address: 324 NW Hill St, Bend, OR 97703
 Telephone: (415) 635-8461 Email: Andy@go-pre.com

Certification Method

GR-63-Core ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
 Other (Please Specify): _____

Testing Laboratory

Company Name: CHINA TELECOMMUNICATION TECHNOLOGY LABS (CTTL)
 Contact Person: Ying Deng
 Mailing Address: 52 Huayuan Beiroad, Haidian District, Beijing, China
 Telephone: +86 138 1090 9918 Email: dengying1@caict.ac.cn
 Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)
 Contact Person: Jeremy Lange
 Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513
 Telephone: (972) 247-9657 Email: Jeremy@etldallas.com





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal	(A Flx-H), g=	<u>3.20</u>	(A Rig-H), g=	<u>2.15</u>
Vertical	(A Flx-V), g=	<u>1.67</u>	(A Rig-V), g=	<u>0.67</u>

SDS (Design spectral response acceleration at short period, g) = 2.0 at z/h = 1; 2.5 at z/h = 0

H_f (Force amplification height factor) = 1 @ z/h = 0; 3.5 @ z/h = 1

R_u (Structure ductility reduction factor) = 1 @ z/h = 0; 1.3 @ z/h = 1

I_p (Importance factor) = 1.5

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

HCAI Approval (For Office Use Only) - Approval Expires on 05/28/2032

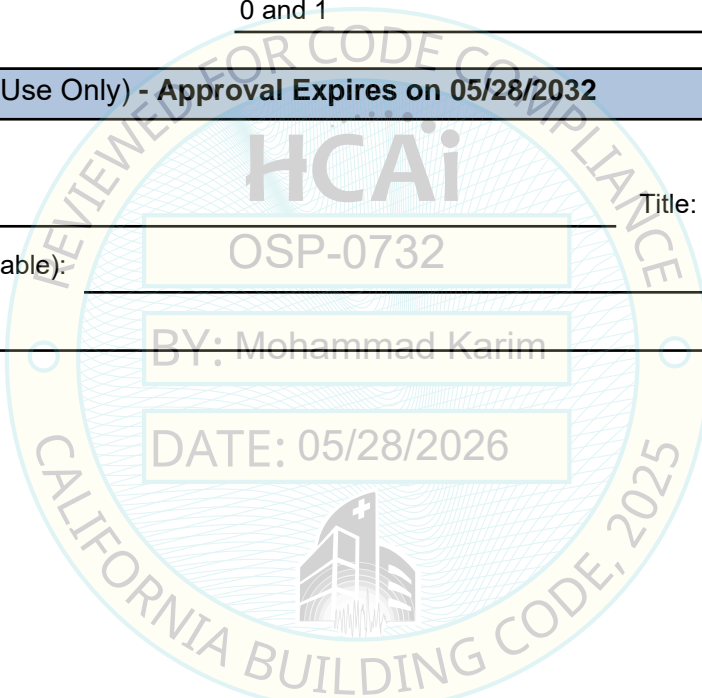
Date: 5/28/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0732

BY: Mohammad Karim

DATE: 05/28/2026





SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC261870-01-R0

Manufacturer: Philips Healthcare (Suzhou) Co., Ltd.	Seismic Parameters	Building Codes
Product Type: CT Systems	$S_{DS} = 2.00g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$	CBC 2025
Model Line: Spectral CT, Spectral CT 7500 RT, Spectral CT Verida, Spectral CT Verida RT	$S_{DS} = 2.50g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$ $I_p=1.5$	

TABLE 1 Mounting Configuration: Base Mounted - Rigid

Construction Summary	Options Summary
PDU/Host: Carbon Steel enclosure; Gantry: Metal frame with plastic enclosure; Couch: Metal frame with plastic enclosure, carbon fiber tabletop	Requires Manufacturer Supplied Seismic Kit

Component	Description	Part Number	Max. Dimensions (in)			Wt. (lb)	UUT
			D	W	H		
Gantries	Spectral Gantry	459801665271	39.9	95.5	80	5134	6
	Spectral Gantry	300016336541 ¹	39.9	95.5	80	5134	Interp.
Patient Tables	Patient Couch	459801658612	120.5-215.8	20.3	18.7-45.4	1413 ²	7
	Patient Couch	300013383131	120.5-215.7	20.3	16.9-42.5	1468 ³	13
Power Distribution	PDU with Integrated DC-DC Converter	459801051621	32.2	27.7	66.4	1264	4
Consoles	Spectral Gen 5.3 Host w/ Host Rack, including:	459801902082	35.6	12.8	29.8	189	9
	CT Gen 5.3 Host, Z4	459801898441					
	Spectral Gen 5.3 Host w/ Host Rack, including:	300012777511	35.6	12.8	29.8	189	Interp.
	CT Gen 5.3 Host, Z4	300012777581					
	Spectral Host w/ Host Rack, including:	300013049671	35.5	12.8	29.8	190	14
	CT Spectral_F Host Z4 G5	300013049821					

¹Model is identical to tested other than the gloss of finish.
²Weight does not include 542 lbs. of simulated patient weight.
³Weight does not include 540 lbs. of simulated patient weight.

Manufacturer:	Philips Healthcare (Suzhou) Co., Ltd.	Seismic Parameters	Building Codes
Product Type:	CT Systems	$S_{DS} = 2.00g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$ $S_{DS} = 2.50g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$	$I_p=1.5$ CBC 2025
Model Line:	Spectral CT, Spectral CT 7500 RT, Spectral CT Verida, Spectral CT Verida RT		

TABLE 2	Mounting Configuration:	Base-Mounted Rigid and Wall-Mounted Rigid at Top
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Construction Summary	Options Summary
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CIRS: Carbon Steel enclosure

Requires Manufacturer Supplied Seismic Kit

Component	Description	Part Number	Max. Dimensions (in)			Wt. (lb)	UUT
			D	W	H		
Consoles	Spectral CIRS HW 4 Computers w/Rack + UPS, including:	300008719801	43	23.6	79.8	805	8
	CT Gen 5.3 CIRS Master Z8 w/ACQ	459801592022					
	CT Gen 5.3 CIRS Compute Z8 (Quantity: 3)	459801592013					
	Staco UniStar VP 6kVA UPS w/SNMP	459800913091					
	Staco UniStar UPS Extended Run Battery	459800844121					
	Spectral CIRS HW 4 Computers w/Rack + UPS, including:	300008719802	43	23.6	79.8	805	Interp.
	CT Gen5.3 CIRS Master Z8 w/ACQ	459801592023					
	CT Gen5.3 CIRS Compute Z8 (Quantity: 3)	459801592014					
	Staco UniStar VP 6kVA UPS w/SNMP	459800913091					
	Staco UniStar UPS Extended Run Battery	459800844121					
	Spectral 4 CIRS computers w/Rack+UPS, including:	300013049501	42.9	23.6	78.4	807	15
	CT Spectral Master CIRS PC w/ACQ	300013049801					
	CT Spectral CIRS Slave G5 PC (Quantity: 3)	300012778131					
	Staco UniStar VP 6kVA UPS w/SNMP	459800913091					
	Staco UniStar UPS Extended Run Battery	459800844121					

Manufacturer:	Philips Healthcare (Suzhou) Co., Ltd.	Seismic Parameters	Building Codes
Product Type:	CT Systems	$S_{DS} = 2.00g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$ $S_{DS} = 2.50g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$	$I_p=1.5$ CBC 2025
Model Line:	Spectral CT, Spectral CT 7500 RT, Spectral CT Verida, Spectral CT Verida RT		

TABLE 2	Mounting Configuration:	Base-Mounted Rigid and Wall-Mounted Rigid at Top
----------------	--------------------------------	---------------------------------------------------------

Construction Summary	Options Summary
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CIRS: Carbon Steel enclosure

Requires Manufacturer Supplied Seismic Kit

Component	Description	Part Number	Max. Dimensions (in)			Wt. (lb)	UUT					
			D	W	H							
Consoles	Spectral CIRS HW 2 Computers w/Rack + UPS, including:	300008718821	43	23.6	79.8	701	Interp.					
	CT Gen5.3 CIRS Master Z8 w/ACQ	459801592022										
	CT Gen5.3 CIRS Compute Z8	459801592013										
	Staco UniStar VP 6kVA UPS w/SNMP	459800913091										
	Staco UniStar UPS Extended Run Battery	459800844121										
	Spectral CIRS HW 2 Computers w/Rack + UPS, including:	300008718822										
	CT Gen5.3 CIRS Master Z8 w/ACQ	459801592023										
	CT Gen5.3 CIRS Compute Z8	459801592014										
	Staco UniStar VP 6kVA UPS w/SNMP	459800913091										
	Staco UniStar UPS Extended Run Battery	459800844121										
	Spectral CIRS HW 2 computers w/Rack+UPS, including:	300013049701						42.9	23.6	78	701	Interp.
	CT Spectral Master CIRS PC w/ACQ	300013049801										
CT Spectral CIRS Slave G5 PC (Quantity: 1)	300012778131											
Staco UniStar VP 6kVA UPS w/SNMP	459800913091											
Staco UniStar UPS Extended Run Battery	459800844121											

UUT	Model	Test Report	Test Date	Test Laboratory	S _{DS}	z/h	R _μ	H _f	I _p
1	Compressor (Jun Air)	SQ13-1503-01 (UUTA5)	6/16/2015	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
2	Cabinet Compressor (Jun Air)	SQ13-1503-01 (UUTA6)	6/16/2015	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
3	CT Box	SQ131505-1 (UUT5)	4/26/2016	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
4	PDU w/integrated DC-DC Converter	SQ10-1605-1 (UUT1)	2/1/2017	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
5	Iqon Gen 5.3 CIRS TL Rack/UPS/ACQ	SQ13-1805-01 (UUT1)	4/24/2019	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
6	Gantry	SQ13-2102-01 (UUT1)	10/18/2021	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
7	Patient Couch	SQ13-2102-01 (UUT2)	10/18/2021	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
8	Spectral CIRS HW 4 Computers w/Rack + UPS	SQ13-2102-01 (UUT3)	10/18/2021	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
9	Spectral Gen 5.3 Host w/ Host Rack	SQ13-2102-01 (UUT4)	10/18/2021	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
10	Cabinet Compressor (Jun Air)	17412 Rev 2 (UUT1)	5/3/2024	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
11	Compressor (Atlas Copco)	17412 Rev 2 (UUT2)	5/3/2024	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
12	Air Buffer Assembly	17412 Rev 2 (UUT3)	5/3/2024	ETL	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
13	Noah RT-2 Patient Couch	26T04X800112-001 (UUT1)	1/26/2026	CAICT	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
14	Spectral Host w/Host Rack	26T04X800112-001 (UUT2)	1/26/2026	CAICT	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
15	Spectral 4 CIRS computers w/Rack + UPS	26T04X800112-001 (UUT3)	1/26/2026	CAICT	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5

UUT 3

Test Report# SQ131505-1
(UUT5)

Manufacturer: Philips Healthcare
 Model Line: Spectral CT Series
 Description: CT Box
 Model Number: 459800842441
 Serial Number: 004

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.00	1.0	1.3	3.5	1.5	3.20	2.15	1.67	0.67
2.50	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
4	15.8	2.5	4

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
>33.3	>33.3	>33.3

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156 (2024)

Construction/Option Summary

UUT Mounting Details:

List of Included Subcomponents

Description (Manufacturer)	Model #
OSP-0732	
Seismic Kit	459801147561
BY: Mohammad Karim	



DATE: 05/28/2026

UUT was rigid base mounted to countertop using (2) 1" x 3" 3M Dual Lock reclosable fastener at each of two tapered feet (applied to bottom of foot and test plate). Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

