



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-0390

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: SIEMENS HEALTHCARE

Manufacturer's Technical Representative: Hu Yong

Mailing Address: 278 Zhou Zhu Rd., PuDong New District, ShangHai 201318

Telephone: (8621) 388-9500

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Product Information

Product Name: SOMATOM Perspective CT System

Product Model Number(s): See attachments

Product Category: CT Systems

Product Sub-Category: CT Systems

General Description: Multiple component systems for the provision of Computed Tomography medical diagnostic applications.

Mounting Description: Base Mounted Rigid

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: W.E. Gundy & Associates, Inc.

Contact Person: Travis Soppe

Mailing Address: 250 South 5th Street, Suite 510, Boise, ID 83702

Telephone: (208) 342-5989

Email: tsoppe@wegai.com

Title: President



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

Company Name: W.E. GUNDY & ASSOCIATES INC.

Name: Travis Soppe

California License Number: S6115

Mailing Address: P.O. Box 9121, Boise, ID 83707

Telephone: (208) 342-5989

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Certification Method

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify): _____

Testing Laboratory

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

BY: Mohammad Karim

DATE: 01/15/2026



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Seismic Parameters

Certified Response Spectral Acceleration Factors: (F_p/W_p)

Horizontal (A Flx-H), $g =$ See attachments (A Rig-H), $g =$ See attachments

Vertical (A Flx-V), $g =$ See attachments (A Rig-V), $g =$ See attachments

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

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) = 1

HCAI Approval (For Office Use Only) - Approval Expires on 01/15/2032

Date: 1/15/2026

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable): _____

OSP-0390

BY: Mohammad Karim

DATE: 01/15/2026

TABLE 1	SIEMENS HEALTHCARE GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS						
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Manufacturer: Siemens Healthcare GmbH

System: SOMATOM Perspective CT

System Component ¹⁾	Siemens Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT
		Width	Depth	Height			
Gantries							
SOMATOM Perspective	10495243	89.6	26.8	71.7	2941	floor	UUT-1
Patient Tables							
Patient Table	10355389	97.4 - 121.9	27.6	37.3	753	floor	UUT-2 ²
Image Control and Reconstruction							
Image Control System	10661038	8.5	20.6	17.5	48	floor	UUT-3
Image Reconstruction System	10661000	7.0	25.5	17.8	61	floor	UUT-4
Line Control Box							
Line Control Box	10165884	11.8	29.5	32.0	249	floor	UUT-5
Power Supply							
Eaton EX 2200 UPS	07735090	5.1	19.0	17.6	69	floor	UUT-6

¹ All components are manufactured by Siemens Healthcare GmbH unless noted. Part numbers listed uniquely identify type of component, manufacturer, and material of construction for each sub-component within the tested units.

² Patient table weight does not include simulated patient weights of 440lb.

SEISMIC CERTIFICATION LIMITS: CBC 2025 - $I_p = 1.5$								
System Component	S_{DS} (g)	z/h	H_f	R_μ	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
Gantries	2.0	1.0	3.5	1.3	3.20	2.15	-	-
	2.5	0.0	1.0	1.0	-	-	1.68	0.68
Patient Tables	2.0	1.0	3.5	1.3	3.20	2.15	-	-
	2.5	0.0	1.0	1.0	-	-	1.68	0.68
Image Control and Reconstruction	1.67	1.0	3.5	1.3	2.67	1.80	-	-
	2.5	0.0	1.0	1.0	-	-	1.68	0.68
Line Control Box	1.67	1.0	3.5	1.3	2.67	1.80	-	-
	2.5	0.0	1.0	1.0	-	-	1.68	0.68
Power Supply	1.67	1.0	3.5	1.3	2.67	1.80	-	-
	2.5	0.0	1.0	1.0	-	-	1.68	0.68

UUT-1	UNIT UNDER TEST (UUT) SUMMARY SHEET	
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Mounting Details: Rigid floor mounted with 4 - 1/2" grade 8 bolts



Manufacturer: Siemens Healthcare GmbH	Test Location: Environmental Testing Laboratory
Component: SOMATOM Perspective Gantry	Test Date: January 15, 2014
Model Number: 10495243	Report Number: SQ35-1401-01 Rev.1
UUT Function: Continuous rotating detector for high-resolution data acquisition	
UUT Description: Component of the SOMATOM Perspective CT system	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
2,941	89.6	26.8	71.7	4.2	5.9	15.3

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z/h	H_f	R_μ	I_p	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-2

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with 4 - 1/2" grade 8 bolts.



Manufacturer: Siemens Healthcare GmbH	Test Location: Environmental Testing Laboratory
Component: Patient Table	Test Date: January 15, 2014
Model Number: 10355389	Report Number: SQ35-1401-01 Rev.1
UUT Function: Motorized patient table	
UUT Description: Component of SOMATOM CT Systems	

UUT PROPERTIES

Weight (lb) with Patient*	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,193	97.4 - 121.9	27.6	37.3	3.1	5.3	4.8

*The patient table moves vertically and horizontally to accommodate different patients and procedures. The system was tested in the normal vertical operating position, with the table top extended, and a total simulated patient weight of 440lbs.

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_p	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-3

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with two hand-tightened, 1" wide straps (300lb WLL), thru L2.5x2.5x1/4" x 2.5" brackets positioned on either side of the unit (spaced 12" apart). The four angle brackets are attached to a 3/4" plywood floor with (2) 1/4" wood screws in each bracket.



Manufacturer: Siemens Healthcare GmbH	Test Location: Environmental Testing Laboratory
Component: Image Control System	Test Date: January 15, 2014
Model Number: 10661038	Report Number: SQ35-1401-01 Rev.1
UUT Function: Computer for data acquisition, image reconstruction, and processing	
UUT Description: Component of SOMATOM CT Systems	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
48	8.5	20.6	17.5	19.8	31.9	>33

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	1.67	1.0	3.5	1.30	1.5	2.67	1.80	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-4	UNIT UNDER TEST (UUT) SUMMARY SHEET	
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Mounting Details: Rigid floor mounted with two hand-tightened, 1" wide straps (300lb WLL), thru L2.5x2.5x1/4" x 2.5" brackets positioned on either side of the unit (spaced 12" apart). The four angle brackets are attached to a 3/4" plywood floor with (2) 1/4" wood screws in each bracket.





Manufacturer: Siemens Healthcare GmbH	Test Location: Environmental Testing Laboratory
Component: Image Reconstruction System	Test Date: January 15, 2014
Model Number: 10661000	Report Number: SQ35-1401-01 Rev.1
UUT Function: Computer for data acquisition, image reconstruction, and processing	
UUT Description: Component of SOMATOM CT Systems	

UUT PROPERTIES									
Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)					
	Width	Depth	Height	FB	SS	V			
61	7.0	25.5	17.8	17.1	25.9	28.7			
SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24									
	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	1.67	1.0	3.5	1.30	1.5	2.67	1.80	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-5	UNIT UNDER TEST (UUT) SUMMARY SHEET								
Mounting Details: Rigid floor mounted with 4 - 3/8" grade 8 bolts									
									
Manufacturer: Siemens Healthcare GmbH				Test Location: Environmental Testing Laboratory					
Component: Line Control Box				Test Date: January 15, 2014					
Model Number: 10165884				Report Number: SQ35-1401-01 Rev.1					
UUT Function: System controls									
UUT Description: Component of SOMATOM CT Systems									
UUT PROPERTIES									
Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)					
	Width	Depth	Height	FB	SS	V			
249	11.8	29.5	32.0	13.9	25.3	>33			
SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24									
	S_{DS} (g)	z / h	H_f	R_μ	I_p	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	1.67	1.0	3.5	1.30	1.5	2.67	1.80	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.									

<p align="center">UUT-6</p>	<p align="center">UNIT UNDER TEST (UUT) SUMMARY SHEET</p>								
<p>Mounting Details: Rigid floor mounted with two hand-tightened, 1" wide straps (300lb WLL), thru L2.5x2.5x1/4" x 2.5" brackets positioned on either side of the unit (spaced 12" apart). The four angle brackets are attached to a 3/4" plywood floor with (2) 1/4" wood screws in each bracket.</p>									
<div align="center">  </div>									
<p>Manufacturer: Siemens Healthcare GmbH</p>				<p>Test Location: Environmental Testing Laboratory</p>					
<p>Component: Eaton EX 2200 UPS</p>				<p>Test Date: January 15, 2014</p>					
<p>Model Number: 07735090</p>				<p>Report Number: SQ35-1401-01 Rev.1</p>					
<p>UUT Function: Uninterruptable power supply</p>									
<p>UUT Description: Component of SOMATOM CT Systems</p>									
<p align="center">UUT PROPERTIES</p>									
<p>Weight (lb)</p>	<p align="center">Dimensions (inches)</p>			<p align="center">Natural Frequency (Hz)</p>					
	<p align="center">Width</p>	<p align="center">Depth</p>	<p align="center">Height</p>	<p align="center">FB</p>	<p align="center">SS</p>	<p align="center">V</p>			
<p>69</p>	<p>5.1</p>	<p>19.0</p>	<p>17.6</p>	<p>10.9</p>	<p>25.9</p>	<p>28.2</p>			
<p align="center">SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24</p>									
	<p>S_{DS} (g)</p>	<p>z / h</p>	<p>H_f</p>	<p>R_μ</p>	<p>I_p</p>	<p>A_{FLX-H} (g)</p>	<p>A_{RIG-H} (g)</p>	<p>A_{FLX-V} (g)</p>	<p>A_{RIG-V} (g)</p>
	1.67	1.0	3.5	1.30	1.5	2.67	1.80	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68
<p>Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.</p>									