

APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)	OFFICE USE ONLY APPLICATION #: OSP – 0544 – 10
OSHPD Special Seismic Certification Preapproval (OSP)	
Type: 🛛 New 🗌 Renewal	
Manufacturer Information	
Manufacturer: Siemens Healthcare GmbH, Diagnostic Imaging, Com	nputed Tomography
Manufacturer's Technical Representative: Ottmar Foerstel	
Mailing Address: Siemensstr. 3, 91301 Forchheim, Germany	
Telephone: <u>+49 9191 188761</u> Email: <u>ottmar</u>	r.foerstel@siemens-healthineers.com
Product Information	
Product Name: SOMATOM go.Up and go.Now CT System	
Product Type: Computed Tomography (CT) medical imaging system	m
Product Model Number: See Attachment (List all unique product identification numbers and/or part numbers)	
General Description: <u>Multiple component system used for producin</u>	Ig Computed Tomography (CT) medical images
for diagnostic results. Mounting Description: Rigid floor mounted	
Applicant Information	
Applicant Company Name: _ W.E. Gundy & Associates, Inc.	
Contact Person: Travis Soppe, SE	
Mailing Address: 250 Bobwhite Ct, Suite 100, Boise, ID 83706	
Telephone: (208) 342-5898 Ext. 115 Email: tsoppe	<u>e@wegai.com</u>
I hereby agree to reimburse the Office of Statewide Health accordance with the California Administrative Code, 2016.	Planning and Development review fees in
Signature of Applicant:	Date: <u>11-28-2017</u>
Title: Vice President Company Name: W.E. C	Gundy & Associates, Inc.
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"	OSHPE

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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, SE California License Number: S6115						
Mailing Address: _ 250 Bobwhite Ct, Suite 100, Boise, ID 83706						
Telephone: (208) 342-5898 Ext. 115 Email: tsoppe@wegai.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: IABG mbH						
Contact Name: Dr. Steffen Roedling						
Mailing Address: _ Einsteinstrasse 20, Ottobrunn, Germany D-85521						

Telephone: __+49 (0) 89 / 6088-2052 Email: _<u>roedling@iabg.de</u>

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OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic	Parameters
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Design in accordance with ASCE 7-10 Chapter 13: 🛛 Yes 🗌 No
Design Basis of Equipment or Components (Fp/Wp) = See Attachment
S_{DS} (Design spectral response acceleration at short period, g) = 2.00 (z/h = 1); 2.50 (z/h = 0)
a_p (In-structure equipment or component amplification factor) = <u>See attachment</u>
R _P (Equipment or component response modification factor) = <u>See attachment</u>
Ω_0 (System overstrength factor) = See attachment
I_{P} (Importance factor) = 1.5
z/h (Height factor ratio) = <u>1 (S_{DS} = 2.00); 0 (S_{DS} = 2.50)</u>
Equipment or Component Natural Frequencies (Hz) = <u>See attachment</u>
Overall dimensions and weight (or range thereof) = See attachment
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: 🗌 Yes 🛛 No
Design Basis of Equipment or Components (V/W) =
S _{DS} (Design spectral response acceleration at short period, g) =
S _{D1} (Design spectral response acceleration at 1 second period, g) =
R (Response modification coefficient) =
Ω_0 (System overstrength factor) =
Cd (Deflection amplification factor) =
I_p (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, 2015: Yes X No
List of Attachments Supporting Special Seismic Certification
🖾 Test Report(s) 🗌 Drawings 🔲 Calculations 🖾 Manufacturer's Catalog
 ✓ Other(s) (Please Specify): Certified System Matrix, UUT Summary Sheets, Subcomponent Certification Letter
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022
Signature: Date: April 2, 2018
Print Name: Timothy J. Piland Title: SSE
Special Seismic Certification Valid Up to : $S_{DS}(g) = See Above$ $z/h = See Above$
Condition of Approval (if applicable):
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"
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SIEMENS HEALTHCARE GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS



Manufacturer: Siemens Healthcare GmbH

System: SOMATOM go.Now and go.Up CT Systems

Sector Commence 1	Siemens	Dimensions (in)			Weight	Mounting	UUT
System Component ¹	Part Number	Width	Length	Height	(lb)	Mounting	UUI
SOMATOM go.Now Gantry	11061610 / 11061618	81.3	32.8	69.4	2415	floor	UUT-1
SOMATOM go.Up Gantry	11061620/ 11061628	87.1	32.8	73.1	2790	floor	UUT-2
aCTivate PHS Vario 1 Patient Table	11061332	25.6	97.0-163.2	21.8-38.3	740 ³	floor	UUT-3
aCTivate PHS VarioRT Patient Table	11061333	25.6	97.0-163.2	21.8-38.3	710 ³	floor	UUT-4
aCTivate PHS Vector Patient Table	11061331	25.6	97.0-157.5	32.6	670 ²	floor	UUT-5

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

2) Patient table weight does not include 315lb simulated weight.

3) Patient table weight does not include 415lb simulated weight.

SEISMIC CERTIFICATION LIMITS								
System Component	Code	S _{DS} (g)	z / h	I _P	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$
SOMATOM go.Now		2.0	1.0	1.50	1.50 1.0	1.5	1.5	2.40
Gantry		0	1.50	1.0	1.5	1.3	1.13	
SOMATOM go.Up	7-]	2.0	1.0	1.50	1.0	0 1.5	1.5	2.40
Gantry	CE	2.5	0		1.0			1.13
aCTivate PHS Vario 1	AS	2.0	1.0	1.50	1.0	1.5	1.5	2.40
Patient Table	16	2.5	0					1.13
aCTivate PHS	201	2.0	1.0	1.50	1.50 1.0	1.5	1.5	2.40
VarioRT Patient Table	CBC	2.5	0					1.13
aCTivate PHS Vector	Ū	2.0	1.0	1.50	1.0	1.5	1.5	2.40
Patient Table		2.5	0					1.13

UUT-1

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with 4 - M14 grade 12.9 bolts



UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with 4 - M14 grade 12.9 bolts



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