

	OFFI	CE USE ONLY
APPLICATION FOR OSHPD SPECIAL SEISMIC		
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #:	OSP – 0585 – 10
OSHPD Special Seismic Certification Preapproval (OSP)		
Type: 🛛 New 🗌 Renewal		
Manufacturer Information		
Manufacturer: Siemens Healthcare GmbH, Diagnostic Imaging, Com	puted Tomography	
Manufacturer's Technical Representative: <u>Don Medlar</u>		
Mailing Address: Siemensstr. 3, 91301 Forchheim, Germany		
Telephone:	edlar@siemens-health	ineers.com
Product Information	20.	
Product Name: SOMATOM CT System	AP.	
Product Type: Computed Tomography (CT) medical imaging system		
Product Model Number: See Attached OSP-0585-10 (List all unique product identification numbers and/or part numbers)	CE	
General Description: <u>Multiple component system for producing Con</u>	nputed Tomography (C	CT) medical images for a
wide variety of medical diagnostic results.	v	
Mounting Description: Rigid floor mounted, see attachment	70	
	\sim	
Applicant Information	CODÉ	
Applicant Company Name: W.E. Gundy & Associates, Inc. DING	CO	
Contact Person: Travis Soppe, SE		
Mailing Address: _ 1199 Shoreline Drive, Suite 310, Boise, ID 83703		
Telephone: (208) 342-5989 Ext. 115 Email: tsoppe	@wegai.com	
I hereby agree to reimburse the Office of Statewide Health I accordance with the California Administrative Code, 2016.	Planning and Deve	lopment review fees in
Signature of Applicant:	Da	te: <u>10/26/2018</u>
Title: <u>President</u> Company Name: <u>W.E. C</u>		IC.

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)



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:
Telephone: (208) 342-5989 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 $CODR$
Certification Method
Image: Specify in accordance with: Image: CC-ES AC156 Image: Other (Please Specify): Image: OSP-0585-10
BY:Ali Sumer
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: roedling@iabg.de

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



Page 2 of 3

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Paramet	ers
------------------------	-----

Design in accordance with ASCE 7-10 Chapter 13: 🛛 Yes 🗌 No
Design Basis of Equipment or Components (Fp/Wp) = <u>See Attachment</u>
S_{DS} (Design spectral response acceleration at short period, g) = 2.0 for z/h = 1.0 and 2.5 for z/h = 0
a _p (In-structure equipment or component amplification factor) = <u>Multiple, see attachment</u>
R _p (Equipment or component response modification factor) = <u>Multiple, see attachment</u>
Ω_0 (System overstrength factor) = <u>Multiple</u> , see attachment
I _P (Importance factor) = 1.5
z/h (Height factor ratio) =1.0 at S _{DS} =2.0g and 0 at S _{DS} = 2.5g
Equipment or Component Natural Frequencies (Hz) = <u>Multiple, see attachment</u>
Overall dimensions and weight (or range thereof) = <u>Multiple, see attachment</u>
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) = OSP-0585-10
Ω_0 (System overstrength factor) =
C₄ (Deflection amplification factor) = BY:Ali Sumer
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
BUILDING
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
ALT
Signature: Date: March 19, 2019
Print Name: Ali Sumer Title: DSE
Special Seismic Certification Valid Up to : S _{DS} (g) = <u>See Above</u> z/h = <u>See Above</u>
Condition of Approval (if applicable):
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY
OSH-FD-759 (REV 12/16/15) Page 3 of 3

TABLE 1

SIEMENS HEALTHCARE GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS



Manufacturer: Siemens Healthcare GmbH

System: SOMATOM CT Systems

	Siemens	Di	mensions ((in)	Weight	Manufina	
System Component ¹⁾	Part Number	Width	Depth	Height	(lb)	Mounting	UUT
		G	antries				
SOMATOM go.Up	11061620	87.1	32.8	73.1	2790	floor	UUT-2x ³
SOMATOM go.Up	11061628	87.1	32.8	73.1	2790	floor	interpolated
SOMATOM.go.All	11061630 11061638	87.R	C 32.8	73.1	2990	floor	interpolated
SOMATOM.go.Top	11061648	87.1 5	32.8	73.1	3014	floor	interpolated
SOMATOM.go.Top	11061640	87.1 ^{P-}	05 <u>32.8</u> 10	73.1	3014	floor	UUT-1
		by: <u>APati</u>	ent Table 1	- //////	0		
PHS-Vario 2	11061334	97.6 <mark>-</mark> 179.5	/227.201	<mark>24.0-</mark> 40.7	810 ²	floor	UUT-2

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-componenent within the tested units.

² Patient table weight does not include 552lb simulated weight.

³ 'x' designates that the UUT was tested at different time then other UUT's listed.

		SEISM	IC CERT	IFICATIC	DN LIMIT	S		
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.Up	CBC 2016	2.0	1.0	1.50	1.0	1.5	1.5	2.40
SOMATON go.op	ASCE 7-10	2.5	0	1.30	1.0	1.5	1.3	1.13
SOMATOM.go.All	CBC 2016	2.0	1.0	1.50	1.0	1.5	1.5	2.40
SOMATOM.go.All	ASCE 7-10	2.5	0	1.30	1.0	1.5	1.3	1.13
SOMATOM.go.Top	CBC 2016	2.0	1.0	1.50	1.0	1.5	1.5	2.40
SOMATOM.go. 10p	ASCE 7-10	2.5	0	1.30	1.0	1.5	1.3	1.13
PHS-Vario 2	CBC 2016	2.0	1.0	1.50	1.0	1.5	1.5	2.40
ASCE 7-10 2.5	0	1.30	1.0	1.3	1.3	1.13		

TABLE 2

SIEMENS HEALTHCARE GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENTS



Manufacturer: Siemens Healthcare GmbH

System: SOMATOM CT Systems - Gantries

Subcomponent	Siemens	Di	Dimensions (in)				
	Part Number	Width	Length	Height	(lb)	UUT	
		Co	llimator	-			
LP2	11061231	16.5	3.0	1.6	35	UUT-2x	
HP2	11061232	16.5	3.0	1.6	35	interpolated	
HP2	11061233	16.5	3.0	1.6	35	UUT-1	
		X-Ray T	ube Asse	mbly			
CHRONON XTA	11253390	19.2	11.6	14.4	111	UUT-2x	
ATHLON XTA	11253400	19.2 ^R	11.7 ^E	<u> </u>	116	UUT-1	
	A	High V	oltage T	ank			
HVT LP	11115456	18.1 -	13.3	13.3	61	UUT-2x	
HVT HP	11115450	18.1	13.3	13.3	2 61	UUT-1	
	K FI	D	etector		CE		
DMS_LP2	11019902	BY 44.2 -	16.0	6.4	72	UUT-2x	
DMS_HP4	11019903	41.3	16.0	6.4	83	UUT-1	
	CP	DATSlipr	ing Syste	m	16		
SLIPRING	11115543	1.5	50.7	50.7	49	UUT-2x / UUT-1	
	(mi)	Cooli	ing Syste	m			
CHRONON XTC	11020260	33.0	17.5	8.1	51	UUT-2x	
ATHLON XTC	11020265	33.2	17.5	8.2	55	UUT-1	
	G	antry Ar	m (for in	jector)			
	11101974	55.2	32.2	7.9	82	UUT-1	

UUT-1

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with 4 - 5/8" grade 8 bolts.



UUT-2x

UNIT UNDER TEST (UUT) SUMMARY SHEET



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



UUT-2

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid Floor mounted with 4 - 5/8" grade 8 bolts

