

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

OFFICE USE ONLY APPLICATION FOR HCAI SPECIAL SEISMIC **CERTIFICATION PREAPPROVAL (OSP)** APPLICATION #: OSP-0753 **HCAI Special Seismic Certification Preapproval (OSP)** X New Type: Renewal **Manufacturer Information** Manufacturer: **GE** Healthcare Manufacturer's Technical Representative: Tom Farnow Mailing Address: 3000 N. Grandview Blvd., Waukesha, WI 53188-1696 Telephone: (888) 406-1101 Email: Tom.Farnow@gehcseismic.com **Product Information** Product Name: CT Systems Product Type: NA Product Model Number: Omni Legend PET-CT System General Description: System components of a multiple-component medical imaging system. Special Seismic Certification is limited to functions related to Computed Tomography (CT) medical imaging services. Mounting Description: See Certified Product Tables Seismic enhancements made to the test units and/or modifications required to address Tested Seismic Enhancements: anomalies during the tests shall be incorporated into the production units. **Applicant Information** Applicant Company Name: EASE LLC Contact Person: Jonathan Roberson Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA 91709 Telephone: (909) 606-7622 Email: jon@easeco.com





Title: Principal Structural Engineer

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California Licensed Structural Engineer Responsible	for the Engineering and Test Report(s)
Company Name: EASE LLC	
Name: Jonathan Roberson	California License Number: S4197
Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 9	1709
Telephone: (951) 295-1892	@EASECo.com
<u> </u>	
Certification Method	
GR-63-Core X ICC-ES AC156	IEEE 344
Other (Please Specify):	
FORCE	DDE CO
Testing Laboratory	····· Np.
Company Name: ENVIRONMENTAL TESTING LABORATOR	IES, INC. (ETL)
Contact Person: Jeremy Lange	2
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513	-0/53 m
Telephone: (972) 247-9657 Email: Je.	remy@etldallas.com
(((((((((((((((((((((((((((((((((((((((
DATE: 11	/14/2022



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Seismic Parameters	
Design Basis of Equipment or Components	s (Fp/Wp) = See Attachment
Sps (Design spectral response accele	eration at short period, g) = 1.52
ap (Amplification factor) =	See Attachment
R _P (Response modification factor) =	See Attachment
Ω_0 (System overstrength factor) =	2.0
Ip (Importance factor) =	1.5
z/h (Height ratio factor) =	1
Natural frequencies (Hz) =	See Attachment
Overall dimensions and weight =	See Attachment One

HCAI A	pproval (For Office Use Only) - Approval Expires on 11/14/2028	8 %.	
Date:	11/14/2022 OSP-0753	12	
Name:	Mohammad Karim	Title:	Supervisor, Health Facilities
Special	Seismic Certification Valid Up to: Sps (g) = 1.52	z/h =	1
Conditio	n of Approval (if applicable): DATE: 11/14/2022	0	

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ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

Manufacturer GE HEALTHCARE System OMNI LEGEND PET-0	CT System [2]							S _{DS} :	= 1.52	at z/h =	: 1
COMPONENT	MODEL NUMBER	APPROX W	I. DIMENSI D	ONS [IN]	MAX. WT.	MOUNT	BASIS [1]	F _P /W _P	a₽	R₽	Ω_0
GANTRIES [2]			OD C	ODE				<u>'</u>			
Omni Legend PET-CT Gantry			FOR	WWWXXXX	01						
32 cm Omni PET Gantry	6890030-2	200	07-	1	3638	Rigid Base	UUT-2212-1	1.82	1	1 ½	2
CT Gantry (TaiX), PET Specific	6670000-21	92	67	76	3434						
Omni Legend PET-CT Gantry	/-	27/			7						
32 cm Omni PET Gantry	6890030	92	OSI 67	P-0 <u>7</u> 53	3638	Rigid Base	SAME	1.82	1	1 ½	2
CT Gantry (TaiX), PET Specific	6670000-21	92	67	76	3434	111					
Omni Legend PET-CT Gantry		BY	/: Mohar	nmad Ka	arim						
16 cm Omni PET Gantry	6890015	92	67	76	3606	Rigid Base	INT	1.82	1	1 ½	2
CT Gantry (TaiX), PET Specific	6670000-21	92	\TE. 1	1/1/1/201	3434						
Omni Legend PET-CT Gantry	/-	7	TIL.	1/14/20/		27/					
16 cm Omni PET Gantry	6890015-2	92	67	76	3606	Rigid Base	INT	1.82	1	1 ½	2
CT Gantry (TaiX), PET Specific	6670000-21	92	67	1000	3434						
Discovery MI PET-CT Gantry		PA									
25cm Columbia PET Gantry, Weldment	5990025-22	77.4	93.611	7616	2443	Rigid Base	UUT-1901-1	1.82	1	1 ½	2
Revolution EVO CT Gantry, PET Specific	5454001-170	77.4	93.0	Divic	3940						
PATIENT TABLES											
PROSCAN Patient Table	5101900	26	136	22 / 42	1808 ^[3]	Rigid Base	UUT-10390-3	1.82	1	1 ½	2
Mobile Ready Global PET-CT Table Ed3	5101900-20	26	136	22 / 42	1808	Rigid Base	SAME	1.82	1	1 ½	2
CONSOLES											
Open Console (HP Z8G4)	5946404-15	15.8	26.4	22.7	142 ^[4]	Rigid Base	UUT-1914-2	1.10	1	2 ½	2

Table continues next page

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ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

Manufacturer	GE HEALTHCARE									4 50	a4 =/la	_
System	OMNI LEGEND PET-0	CT System [2]							SDS	= 1.52	at z/h =	= 1
COMPONENT		MODEL NUMBER	APPRO)	K. DIMENS	IONS [IN]	MAX. WT. [LB]	MOUNT	BASIS [1]	F _P /W _P	а _Р	R _P	Ω_0
POWER DISTR	RIBUTION			ap (ODE				•			-
NGPDU-61		2326492-61	27.6	21.7	41.8	818	Rigid Base	UUT-1313-2	1.10	1	2 ½	2
Power Distribut	tion Box (PDB)	5627940	19.7	9.5	24.8	68	Wall	UUT-1901-3	1.10	1	2 ½	2
Notes	 1. BASIS: UUT-###-#: Ind INT (Interpolate of through evaluation SAME: Indicates and/or identification 2. System (including of the same of the same) 3. Patient Table weight 	or extrapolate): I on of testing of s model is physic on number. Gantries) require	ndicates m imilar mod ally, mech	nodel that wels in the panically & e	vas not spectroduct line. electrically the	ifically tested to same as te ctor Kit 59194	, and for which st specimen. [seismic qualific	ation wa			е,
	4. Weight includes mo5. Seismic certification6. <i>Gray italic formattir</i>	n is limited to fu	nctions rela				_					



ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-1313-2	NGPDU-61					
Manufacturer:	GE Hangwei Med	ical Systems CO., LTD)			- TO
Identification:	Model No.: 23264	92-61		6	· PEOM.	- d 9
	Serial No.: 32213	32HM2			08	
Description:	System compone	nt of several GEHC CT	Γ systems.	000		
	Tested as compo	nent of Optima CT580	System.			
	washer thro GE mounting ass (2) – Seismic Brac Each bracket mou (2) – M10-1.5 X25 Black Oxide (2) – M10 Lock W	cket, System Cabinet (unted to cabinet w/: 5mm Class 12.9 Socke (Torque= 38.4 N-m) /asher (P/N 2203-M10-	P/N 2354563-2) It Head Cap Screw,	O A STATE OF THE S		
	(2) – M10 Flat Wa	asher (P/N 2000-M10-0	(3)			
	(2) – M10 Flat Wa			LOWEST	RESONANT FREQUE	ENCY (Hz.)
Width			Weight (lb.)	LOWEST Side-Axis	RESONANT FREQUE	ENCY (Hz.) Vert-Axis
Width 27.6	DIMENSIONS (in	.)		10,		
27.6	DIMENSIONS (in	Height 41.8	Weight (lb.) 796 + 22 brackets	Side-Axis	Front-Axis	Vert-Axis
27.6	Depth 21.7	Height 41.8	Weight (lb.) 796 + 22 brackets = 818	Side-Axis	Front-Axis	Vert-Axis
27.6 CC-ES AC156 SHA	DIMENSIONS (in Depth 21.7	Height 41.8 ARAMETERS	Weight (lb.) 796 + 22 brackets = 818	Side-Axis 15.7 A _{RIG-H} (G)	Front-Axis 19.9	Vert-Axis 45
27.6 CC-ES AC156 SHA S _{DS} (G) 2.0 2.6	DIMENSIONS (in Depth 21.7 KE TABLE TEST PA 2/h 1.0 0.0	Height 41.8 ARAMETERS I _P 1.5	Weight (lb.) 796 + 22 brackets = 818 A _{FLX-H} (G)	Side-Axis 15.7 A _{RIG-H} (G) 2.40	Front-Axis 19.9 A _{FLX-V} (G)	Vert-Axis 45 A _{RIG-V} (G)

UUT-1901-3	Power Distrib	oution Box		2		
Manufacturer:	CETC ECRIEEPO	W <mark>ER (ANHUI)</mark> CO., LT	TD STATE	6 40/10		
Identification:	Model No. 5627940	PA		AP" I	3	
	Serial No.: 562000	00003 A B	UILDING		: 68	
Description:	CT/PET Panel	of several GEHC CT			PER ANNE	× T
Mounting:	sheet metal (TEK) - (2) - 1.25" O.D. x	asher Head, self-tapp	ners at top and			
	DIMENSIONS (in.)			LOWEST	RESONANT FREQUE	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
19.7	9.5	24.8	66			
ICC-ES AC156 SHA	KE TABLE TEST PAI	RAMETERS		•		
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit maintained struc	tural integrity and rem	ained functional per m	nanufacturer requirem	nent		

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ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT 1914-2	Open Console	e w/ Z8G4				
Manufacturer:	GE Hangwei Medica	l Systems Co., LTD.		KITTE		T THE
Identification:	Model No.: 5946404 Serial No.: 000000H	/ · •				
Description:	- HP Z8G4 Compute - Open style console	olled verification unit t	,			
Mounting:	,	nounted using: Kit 5812703-2 429 Grade 8 bolts to to hor Kit 5812703-2 is in				
	DIMENSIONS (in.			LOWEST	RESONANT FREQU	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vertical-Axis
15.8	26.4	22.7	141.5 w/ brackets	14,6	30.1	26.2
ICC-ES AC156 SH	AKE TABLE TEST PA	RAMETERS)SP-0753	12		
S _{DS} (G)	z/h	lp	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
		WXWXW			•	
2.0 2.5	1 0	R5Y: Mo	hamn32d Kar	im 2.4 O	1.68	0.68

Juit satisfied AC156	o requirements to	or structural integrity and	manufacturer requiremen	2	er AC156 test.	
UUT-2212-1	Omni Leg	gend PET-CT Ga	ntry			
Manufacturer:	GE Healthcare	e			and the same	
Identification:		CT Gantry	PET Gantry			**
	Model No.	6670000-21	6890030-2			UT-1
	Serial No.	688078HM5	B None DING	•		
Description:	Component of	f Omni Legend PET/CT	System			
	Production eq	uivalent unit		Omni		
	•	eight: 3434 lb Veight: 3638 lb es the use of Omni Seis	mic Kit 5010418			
Mounting:	Rigid Base (F	loor) mounted using: SAE J429 Grade 8 bolt			V V	
	DIMENSION	IS (in.)		LOWEST	RESONANT FREQUI	ENCY (Hz.)
Width	Dept	th Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
92	67	76	7072	11.45	7.43	15.42
CC-ES AC156 SH	AKE TABLE TES	T PARAMETERS	•	•	•	
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1.0 0.0	1.5	3.20	2.40	1.68	0.68

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ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-10390-3	PROSCAN F	Patient Table				
Manufacturer:	GE Healthcare					
Identification:	P/N: 5101900			AT		
	S/N: 176453HM9					
Description:	System componer	nt of several GEHC PE	T/CT systems.			
	Tested as compor	nent of Discovery PET/	CT 690 System			1 6
						TO GETTERM
Mounting:	Rigid Base (Floor) (4) - 5/8" diameter plate.) Mounted using r SAE J429 Grade 8 bo	olts to interface		9.1	
Mounting:	(4) - 5/8" diameter	r SAE J429 Grade 8 bo	olts to interface	LOWEST	RESONANT FREQUE	ENCY (Hz.)
Mounting: Width	(4) - 5/8" diameter plate.	r SAE J429 Grade 8 bo	Olts to interface CODE Weight (lb.)	LOWEST Side-Axis	RESONANT FREQUE Front-Axis	ENCY (Hz.) Vert-Axis
	(4) - 5/8" diameter plate. DIMENSIONS (in.)	SAE J429 Grade 8 bo	CODEC	112	1	` '
Width 25.6	(4) - 5/8" diameter plate. DIMENSIONS (in.) Depth	SAE J429 Grade 8 bo	CODE Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
Width 25.6	(4) - 5/8" diameter plate. DIMENSIONS (in.) Depth 135.8	SAE J429 Grade 8 bo	CODE Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis

Manufacturer:	GE Healthcare	e Z		1		
Identification:		CT Gantry	PET Gantry	0		
	Model No.	5454001-170	5990025-22	4.5/0		
	Serial No.	CJRPX16000014CN	CL251900001PT			
	 25cm Col The tested col gantry in a col Seismic Kit (P Unit included standard prod 	n EVO CT Gantry, PÉT Spumbia PET Gantry (Weldn nfiguration included both a mplete PET-CT assembly. 3000BK) installed. enhancements to construc uction units. These enhan	nent) PET gantry and a CT tion not found on thencements subsequently			
Mounting:		sion of Seismic Kit (P3000 loor) mounted using:	BK).			
Mounting:	Rigid Base (F	sion of Seismic Kit (P3000 loor) mounted using: SAE J429 Grade 8 bolts.	ВК).			. 1
Mounting:	Rigid Base (F	loor) mounted using: SAE J429 Grade 8 bolts.	BK).	LOWEST	RESONANT FREQUE	ENCY (Hz.)
Mounting: Width	Rigid Base (Fl (8) – 5/8" dia.	loor) mounted using: SAE J429 Grade 8 bolts.	BK). Weight (lb.)	LOWEST Side-Axis	RESONANT FREQUE	· ,
Mounting: Width 77.4	Rigid Base (F (8) – 5/8" dia.	loor) mounted using: SAE J429 Grade 8 bolts. NS (in.) The Height			1	ENCY (Hz.) Vert-Ax 10.7
Width 77.4	Rigid Base (FI (8) – 5/8" dia. DIMENSIO Dept 93.59	loor) mounted using: SAE J429 Grade 8 bolts. NS (in.) The Height	Weight (lb.) 6383 (reported)	Side-Axis	Front-Axis	Vert-Ax
Width 77.4	Rigid Base (FI (8) – 5/8" dia. DIMENSIO Dept 93.59	loor) mounted using: SAE J429 Grade 8 bolts. NS (in.) th Height 76	Weight (lb.) 6383 (reported)	Side-Axis	Front-Axis	Vert-Ax