



APPLICATION FOR PREAPPROVAL

SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS

For Office Use Only

APPLICATION NO.
OSP – 0253-10

Check whether application is: NEW RENEWAL

1.0	PHILIPS HEALTHCARE <i>Manufacturer</i>	Cara Rau <i>Manufacturer's Technical Representative</i>
	4 Technology Drive, Irvine, CA 92618 <i>Mailing Address</i>	
	(888) 233-0531 <i>Telephone</i>	cara.rau@philips.com <i>E-mail Address</i>

2.0	EASYDIAGNOST ELEVA <i>Product Name</i>	Radiography and Fluoroscopy <i>Product Type</i>
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See Attachment 1

Product model No (List all unique product identification numbers and/or serial numbers)

General Description: Components of the EasyDiagnost Eleva R/F system – a multi-component radiography & fluoroscopy used for medical imaging. For additional components in this system, see OSP-0061-10.

3.0	EquipmentAnchorage.com <i>Applicant Company Name</i>	Jonathan Roberson, S.E. <i>Contact Person</i>
	5877 Pine Ave, Suite 210, Chino Hills, CA. 91709 <i>Mailing Address</i>	
	(909) 606-7622 <i>Telephone</i>	jon@easeco.com <i>E-mail Address</i>

I hereby agree to reimburse the Office of Statewide Health Planning and Development for the actual costs incurred by the department for review.

 <i>Signature of Applicant</i>	February 20, 2012 <i>Date</i>
Principal Engineer <i>Title</i>	EquipmentAnchorage.com <i>Company Name</i>



Registered Design Professional Preparing the Report

4.0

EquipmentAnchorage.com

Company Name

Jonathan Roberson, S.E.

Contact Name

S4197

California License Number

5877 Pine Ave, Suite 210, Chino Hills, CA. 91709

Mailing Address

909-606-7622

Telephone

jon@easeco.com

E-mail Address

California Licensed Structural Engineer Review and Acceptance of the Report

5.0

EquipmentAnchorage.com

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Contact Name

S4197

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Anchorage Pre-Approval

6.0

- Anchorage is pre-approved under OPA- (Separate application for anchorage pre-approval is required)
Anchorage is not Pre-approved

Certification Method

70. Testing in accordance with: ICC-ES AC-156 Other (Please Specify):

- Analysis
Experience data
Combination of Testing, Analysis, and/or Experience Data (Please Specify):

Testing Laboratory (if applicable)

8.0

Environmental Testing Laboratory, Inc.

Company Name

Brady Richard

Contact Name

11034 Indian Trail, Dallas, TX 75229-3513

Mailing Address

972-247-9657

Telephone

brady@etldallas.com

E-mail:



Approval Parameters

9.0

Design in accordance with ASCE 7-05 Chapter 13: Yes No

Design Basis of Equipment or Components (F_p/W_p) = **1.5xS_{DS} (Monitor Susp.)/1.2xS_{DS} (Bucky Stand)**

S_{DS} (Spectral response acceleration at short period) = **See Attachment 1**

a_p (In-structure equipment or component amplification factor) = **2.5 (Monitor Susp.)/ 1.0 (Bucky Stand)**

R_p (Equipment or component response modification factor) = **3.0 (Monitor Susp.) / 1.5 (Bucky Stand)**

I_p (Importance factor) = **1.5**

z/h (Height factor ratio) = **1.0**

Equipment or Component fundamental period(s) = **See Attachment 2**

Building period limits (if any) = **None**

Overall dimensions and weight (or range thereof) = **See Attachment 1**

Equipment or Components @ grade designed in accordance with ASCE 7-05 Chapter 15: Yes No

Design Basis of Equipment or Components (V/W) =

S_{DS} (Spectral response acceleration at short period) =

S₁ (Spectral response acceleration at 1 second period) =

R (Response modification coefficient) = 1.0

Ω₀ (System overstrength factor) = 1.0

C_d (Deflection amplification factor) = 1.0

I_p (Importance factor) = 1.5

Height to Center of Gravity above base =

Equipment or Component fundamental period(s) = Sec

Overall dimensions and weight (or range thereof) =

Tank(s) designed in accordance with ASME BPVC, 2007: Yes No

10.0 List of attachments supporting the special seismic certification of equipment or components:

- Test Report Drawings Manufacturer's Catalog
 Calculations Others (Please Specify): **Attachments 1 & 2**

11.0 OSHPD Approval (For Office Use Only)

2/23/2012

December 31, 2016

Signature & Date

Approval Expiration Date

M. R. Karim, SHFR

S_{DS} (g) = **See Section 9.0** z/h = **1.0**

Name & Title

Special Seismic Certification Valid Up to

Condition of Approval (if any):

PHILIPS HEALTHCARE

SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT & COMPONENTS

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

Table 1: Seismic Certified Components: Philips Healthcare

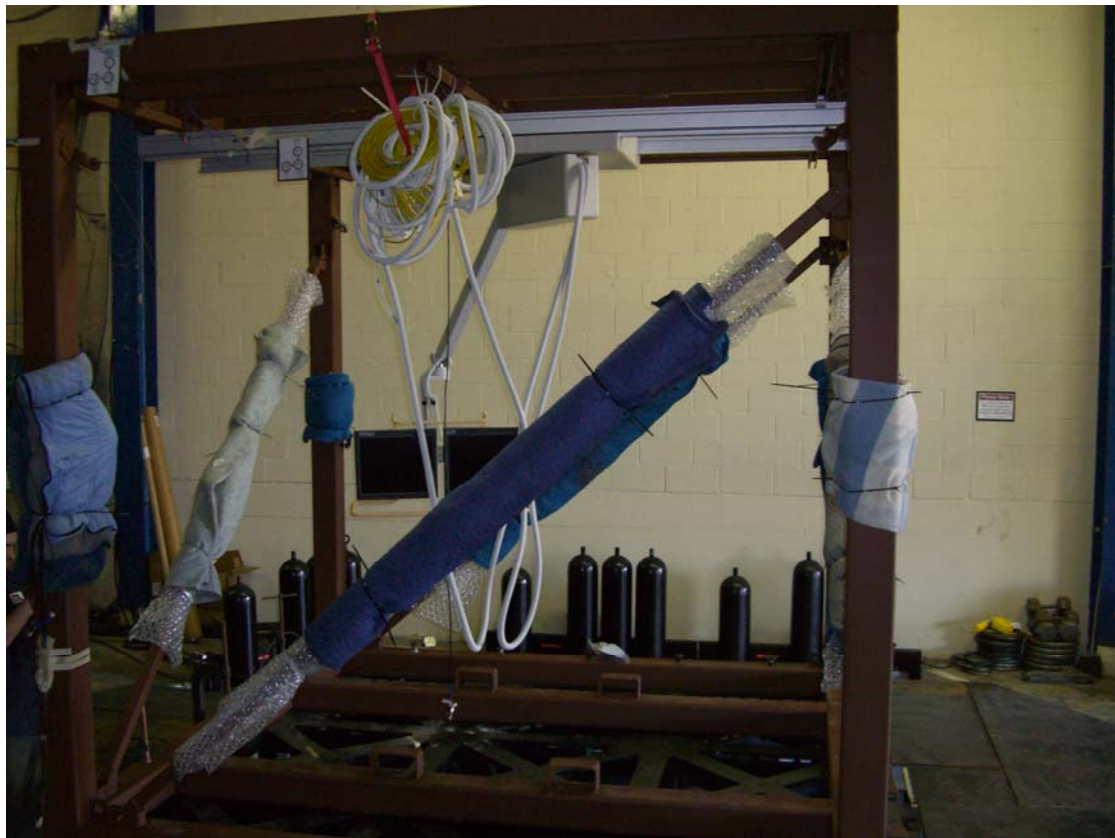
MANUFACTURER	Philips Medical Systems						
SYSTEM	EasyDiagnost Eleva						
COMPONENT	PART NO.	DIMENSIONS (IN.)			MAX. WT. (LB.)	S _{DS}	BASIS
		W	D	H			
2 LCD Monitor suspension		169.3	20.7	75.4	315		
Ceiling Suspension for 1/2 LCD monitor	9890-010-03591	169.3	20.7	75.4	315	2.00	UUT-1
Support for 2 monitors	9890-010-03541	169.3	20.7	75.4	315	2.00	UUT-1
Cables for LCD monitors	9890-010-03841	169.3	20.7	75.4	315	2.00	UUT-1
2 Monitor LCD 18" Examination Room	9919-320-51363	169.3	20.7	75.4	315	2.00	UUT-1
Rails for monitor suspension	9896-000-33881	169.3	20.7	75.4	315	2.00	UUT-1
Bucky Diagnost VS Family							
Bucky Diagnost VS Advanced Fixed	9890 010 83641	23.5	21.4	81.9	490	1.93	OSP-0061-10
Bucky Diagnost VS Advanced Tilttable	9890 010 83641	35.5	38.8	81.9	562	1.93	INT
Bucky Diagnost VS Digital Fixed	9890 010 83641	23.5	21.4	81.9	494	1.93	INT
Bucky Diagnost VS Digital Tilttable	9890 010 83641	35.5	38.8	81.9	667	2.00	UUT-2A UUT-2B
OPTIONS (Based on UUT 2)	Column Motorized (PN 4512-201-02731) Tilting Unit with Wallbox (PN 4512-201-02822) Digital Detector (PN 4512-201-06391)						
MOUNTING	1. Monitor Suspension is Seismically Certified when the unit is anchored to and suspended from a framing system at or slightly above the ceiling line of the room. 2. Bucky Stand is Seismic Certified where the unit is rigidly anchored to the floor and with additional lateral restraint at the top of the column anchoring the unit to an adjacent wall.						
NOTES	1. Bucky Diagnost VS models addressed by this report are without a "Spacer" option. 2. Basis: <ul style="list-style-type: none"> • UUT#: Indicates that a test specimen matching these characteristics was tested. • INT (Interpolate): indicates a model that was not specifically tested, and by which seismic qualification was established through evaluation of testing of other, similar models in the product line. 						

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SPECIAL SEISMIC CERTIFICATION OF ELEVA IMAGING EQUIPMENT

ATTACHMENT 2: TEST SPECIMENS

UUT-1		2 LCD Monitor Suspension				
MANUFACTURER:	Philips Medical Systems; DMC GmbH (Hamburg, Germany)					
MODEL:	Type: 9890 010 03541					
IDENTIFICATION:	SN: 11000609					
DESCRIPTION:	Ceiling Suspension for 1/2 LCD monitor Support for 2 monitors Cables for LCD monitors 2 Monitor LCD 18" Untersuchungsraum Deckenschienen für Monitor CS	9890-010-03591 9890-010-03541 9890-010-03841 9919-320-51363 9896-000-33881				
MOUNTING:	Ceiling Suspended					
UUT PROPERTIES:						
DIMENSIONS (in.)			WEIGHT (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
WIDTH	DEPTH	HEIGHT		X-Axis	Y-Axis	Z-Axis
169.3	20.7	75.4	314.5	N/A	N/A	N/A



PHILIPS HEALTHCARE

SPECIAL SEISMIC CERTIFICATION OF ELEVA IMAGING EQUIPMENT

ATTACHMENT 2: TEST SPECIMENS

UUT-2		Bucky Diagnost VS-Digital				
MANUFACTURER:	Philips Medical Systems; DMC GmbH (Hamburg, Germany)					
MODEL:	Bucky Diagnost VS					
IDENTIFICATION:	Type: 9890 010 83641					
	SN: 11000648					
DESCRIPTION:	Column Motorized Tilting Unit with Wallbox 4600B Digital Detector Wallstand Display 2	4512-201-02731 S/N: 11000364				
		4512-201-02822				
		4512-201-06391				
		4512-201-06971	S/N: 11000358			
MOUNTING:	Wall/Floor Mounted					
UUT PROPERTIES:						
DIMENSIONS (in.)			WEIGHT (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
WIDTH	DEPTH	HEIGHT		X-Axis	Y-Axis	Z-Axis
35.5	38.8	81.9	666.5	N/A	N/A	N/A

