Off	ice of Statewide Health Plann	ing and Development						
Faci 400 R	lities Development Division with R Street. Suite 200, Sacramento, California 95811-6	ww.oshpd.ca.gov/fdd 5213 Phone (916) 440-8300 Fax (916) 654-2973						
		N FOR PREAPPROVAL ATION OF EQUIPMENT AND COMPONENTS						
	For Office Use Only							
	APPLICATION NO.	Check whether application is: NEW X RENEWAL						
	OSP – 0312 – 10							
	Tek Tone Sound & Signal	Brian Guercio						
1.0	Manufacturer	Manufacturer's Technical Representative						
	277 Industrial	Park Road, Franklin, NC 28734						
		Mailing Address						
	(828) 524-9967x155	bguercio@tektone.net						
	Telephone	E-mail Address						
2.0	Tek-CARE 400 Nurse Call Syste	em Nurse Call System Product Type						
	NC450							
	Product Model No. (List all un	ique product identification numbers and/or serial numbers)						
		rse call system central equipment panel. Seismic nodifications required to address anomalies observed during uction units.						
3.0	Tek Tone Sound & Signal Applicant Company Name	Brian Guercio Contact Person						
	277 Indus	trial Park Road, Franklin, NC 28734						
		Mailing Address						
	(828) 524-9967x155	bguercio@tektone.net						
	Telephone	E-mail Address						
	reby agree to reimburse the Office of S s incurred by the department for review	Statewide Health Planning and Development for the actual w.						
	RC							
	Jugardo	1/16/2013						
	Signature of Applicant	Date						
	Product Support Manager	Tek Tone Sound & Signal						
	Title	Company Name						
OSH	-FDD 759	State of California – Health and Human Services Agency						

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State of California – Health and Human Services Agency

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"Equitable Healthcare Accessibility for California"

Office of Statewide Health Planning and Development



	Registered Design Professional Pre	painig and hopen	
.0	F		
-		orell/Elsesser Engineers, Inc. Company Name	
_	Carlos Sempere		C75648
-	Contact Name		California License Number
_	160 Pine St., 6 th Flr., San Francis		
		Mailing Address	
-	415-837-0700	C.	.sempere@forell.com
	Telephone		E-mail Address
	California Licensed Structural Engi	neer Review and Acceptance of t	he Report
.0	F	orell/Elsesser Engineers, Inc.	
-		Company Name	
	Marco Scanu, SE		S4454
-	Contact Name		California License Number
	160 Pine St., 6 th Flr., San Francis	c_{0} CA 9/111	
-		Mailing Address	
	415-837-0700		m.scanu@forell.com
-	Telephone	I	E-mail Address
	Anchorage Pre-Approval		
D	Anchorage is pre-approved und (Separate application for ancho		
D	Anchorage is pre-approved und	prage pre-approval is required)	
	Anchorage is pre-approved und (Separate application for ancho	prage pre-approval is required)	Other (Please Specify).
	 Anchorage is pre-approved und (Separate application for anchor Anchorage is not Pre-approved Certification Method 	orage pre-approval is required)	☐ Other (Please Specify):
	 Anchorage is pre-approved und (Separate application for anchorage) Anchorage is not Pre-approved Certification Method Testing in accordance with: 	orage pre-approval is required)	Other (Please Specify).
	 Anchorage is pre-approved und (Separate application for anchor Anchorage is not Pre-approved Anchorage is not Pre-approved Testing in accordance with: Analysis Experience data 	orage pre-approval is required)	
	 Anchorage is pre-approved und (Separate application for anchor Anchorage is not Pre-approved Anchorage is not Pre-approved Testing in accordance with: Analysis Experience data 	orage pre-approval is required)	
• • •	 Anchorage is pre-approved und (Separate application for anchor) Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis 	brage pre-approval is required)	Specify):
• • •	 Anchorage is pre-approved und (Separate application for anchor) Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis 	orage pre-approval is required)	
D	 Anchorage is pre-approved und (Separate application for anchor Separate application for anchor Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis Testing Laboratory (if applicable) National Technical System Company Name 	ems	Specify): Deepa Sheety
• • •	 Anchorage is pre-approved und (Separate application for anchor Separate application for anchor Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis Testing Laboratory (if applicable) National Technical System 	ems	Specify): Deepa Sheety
• • •	 Anchorage is pre-approved und (Separate application for anchor (Separate application for anchor Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis Esting Laboratory (if applicable) National Technical Syste Company Name 38995 Cherry Street, Newark 	ems	Specify): Deepa Sheety Contact Name
0	 Anchorage is pre-approved und (Separate application for anchor Separate application for anchor Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis Testing Laboratory (if applicable) National Technical System Company Name 	ems	Specify): Deepa Sheety

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"Equitable Healthcare Accessibility for California"

Office of Statewide Health Planning and Development

	Approval Parameters							
9.0	Design in accordance with ASCE 7-05 Chapter 13: Xes No							
	Design Basis of Equipment or Components $(F_p/W_p) = 2.11$							
	S_{DS} (Spectral response acceleration at short period) = 2.81g							
	a_p (In-structure equipment or component amplification factor) = 2.5							
	R_p (Equipment or component response modification factor) = 6.0							
	I_p (Importance factor) = 1.5							
	z/h (Height factor ratio) = 1.0							
	Equipment or Component fundamental $period(s) = N/A$							
	Building period limits (if any) = n/a							
	Overall dimensions and weight (or range thereof) = See attachment, "I. Certified Product Table"							
	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) =							
	S_1 (Spectral response acceleration at 1 second period) =							
	R (Response modification coefficient)=1.0							
	Ω_0 (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 Other (Please Specify): SE Acceptance Letter, Certified Product Table, Certified Subcomponents Table, UUT Summary Sheets,CBC 2010 & AC156 Requirements Checklist							
11.0	OSHPD Approval (For Office Use Only)							
-	1/16/2013 December 31, 2019							
	Signature & DateApproval Expiration DateM. R. Karim, SHFR $S_{DS} (g) = 2.81$ $z/h = 1.0$							
-	Name & Title Special Seismic Certification Valid Up to							
	Condition of Approval (if any):							

Tek Tone - Tek-CARE 400 Nurse Call System I. Certified Product Table									
Unit Width Depth Height Max. Weight Construction Material ^{1,2} Notes Part No. Test Statu								Test Status	
Tek-CARE Central Equipment	Tek-CARE Central Equipment 20.0 in 9.0 in 25.0 in 72 lbs. 16 ga GCS 3 NC450 UUT-1, UI								
Notes	Notes								
 All enclosures are NEMA 1 rated. GCS= galvanized carbon steel Wall mounted. 									

Tek Tone - Tek-CARE 400 Nurse Call System II. Certified Subcomponents Table

Internal Components	Manufacturer	Part #	Testing Status			
Enclosure						
Housing	Tek Tone	IH450	UUT-1, UUT-2			
Backplane Assembly	Tek Tone	PM450	UUT-1, UUT-2			
Modules						
Power Entry Module	Tek Tone	PM457	UUT-1, UUT-2			
AC Power Bus Module	Tek Tone	PM466	UUT-1, UUT-2			
Hub Control Module	Tek Tone	PM451	UUT-1, UUT-2			
CE Communication Module	Tek Tone	PM452	UUT-2			
IR400 Master & Station Module	Tek Tone	PM453	UUT-2			
P5 Master & Station Module	Tek Tone	PM455	UUT-1, UUT-2			
NC300II Head End Modules	Tek Tone	PM456	UUT-2			
Telephone Interface Module	Tek Tone	PM464	UUT-2			
Power Supply						
24VDC Power Supplies	Tek Tone	PK450	UUT-1, UUT-2			
Battery Backup Kits	Tek Tone	BA450K	UUT-2			

OSP APPLICATION Tek Tone – Tek-CARE 400 Nurse Call System III. UUT Summary Sheet

UUT-1 (Lightest Unit)

Tek-CARE Central Equipment Control Panel 16 ga Galvanized Carbon Steel NEMA 1 enclosure 24.25"H X 19.5"W X 8"D Weight: 37 lbs

Wall Mounted with (4) - 3/8'' dia bolts



Subcomponents	Manufacturer	Part #	
Housing	Tek Tone	IH450	
Backplane Assembly	Tek Tone	PM450	
Power Entry Module	Tek Tone	PM457	
AC Power Bus Module	Tek Tone	PM466	
Hub Control Module	Tek Tone	PM451	
P5 Master & Station Module	Tek Tone	PM455	
24VDC Power Supplies	Tek Tone	РК450	

Test Criteria	S _{DS} (g)	z/h	A_{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
ICC-ES AC 156	2.81	1	4.50	3.37	2.08	0.87

OSP APPLICATION Tek Tone – Tek-CARE 400 Nurse Call System III. UUT Summary Sheet

UUT-2 (Heaviest Unit)

Tek-CARE Central Equipment Control Panel 16 ga Galvanized Carbon Steel NEMA 1 enclosure 24.25"H X 19.5"W X 8"D Weight: 72 lbs

Wall Mounted with (4) - 3/8'' dia bolts



Subcomponents	Manufacturer	Part #	
Housing	Tek Tone	IH450	
Backplane Assembly	Tek Tone	PM450	
Power Entry Module	Tek Tone	PM457	
AC Power Bus Module	Tek Tone	PM466	
Hub Control Module	Tek Tone	PM451	
CE Communication Module	Tek Tone	PM452	
IR400 Master & Station Module	Tek Tone	PM453	
P5 Master & Station Module	Tek Tone	PM455	
NC300II Head End Modules	Tek Tone	PM456	
Telephone Interface Module	Tek Tone	PM464	
24VDC Power Supplies	Tek Tone	РК450	
Battery Backup Kits	Tek Tone	BA450K	

Test Criteria	S _{DS} (g)	z/h	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
ICC-ES AC 156	2.81	1	4.50	3.37	2.08	0.87