

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY APPLICATION #: OSP-0207

HCAI Special Seismic Certification Preapproval (OSP)
Type: New X Renewal
Manufacturer Information
Manufacturer: Ascom Wireless Solutions
Manufacturer's Technical Representative: Sarah Jolleys
Mailing Address: 300 Perimeter Park Drive, Morrisville, NC 27560
Telephone: (919) 815-5004 Email: Sarah.Jolleys@ascom.com
Product Information
Product Name: Telligence
Product Model Number(s): Telligence
Product Category: Electrical Control Panels on Life Safety/Critical Branch
Product Sub-Category: Nurse Call Stations
General Description: The Telligence system patient-staff communications network is a distributed network-centric, internet protocol-based architecture system. Approval is limited to maximum C.G. and weights, listed within tested units in OSP and for installations within wall or floor mounted racks, as listed at the end of OSP.
Mounting Description: Rack mounted in rigid base mounted rack and rigid wall mounted rack - Location (Other) -> -
Tested Seismic Enhancements: None
Applicant Information
Applicant Company Name: VMC Group
Contact Person: John Giuliano
Mailing Address: 113 Main Street, Bloomingdale, NJ 07403
Telephone: (973) 838-1780 Email: John.Giuliano@thevmcgroup.com
Title: President



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSP-0207



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: THE VMC GROUP
Name: Kenneth Tarlow California License Number: S2851
Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814
Telephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
FOR CODE CO
Testing Laboratory
Company Name: APPLIED TECHNICAL SERVICES, INC. (ATS)
Contact Person: David Common
Mailing Address: 1049 Triad Court, Marietta GA 30062
Telephone: (888) 287-5227 Email: dcommon@atslab.com
Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)
Contact Person: Josh Sailer
Mailing Address: 1315 Greg St., Ste 109, Sparks NV 89431
Telephone: (775) 358-5085 Email: josh@shaketest.com
Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)
Contact Person: Brady Richard
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513
Telephone: (972) 247-9657 Email: brady@etIdallas.com



A healthier California where all receive equitable, affordable, and quality health care STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSP-0207



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

Seismic Parameters

Desig	n Basis of Equipment or Components	(Fp/Wp) = 1.44							
	SDS (Design spectral response accele	eration at short period, g) = 2.0							
	ap (Amplification factor) =	1.0							
	Rp (Response modification factor) =	2.5							
	Ω_0 (System overstrength factor) =	2.0							
	Ip (Importance factor) =	1.5	1.5						
	z/h (Height ratio factor) =	1	1						
	Natural frequencies (Hz) =	See Attachment							
	Overall dimensions and weight = Approval (For Office Use Only) -	See Attachment Approval Expires on 06/13/2030							
Date:	6/13/2024	OSP-0207	R						
Name	: Mohammad Karim		Title:	Supervisor, Health Facilities <u>Review</u>					
Specia	al Seismic Certification Valid Up to: St	ps (g) = 2.0	z/h =	1					
Condit	ion of Approval (if applicable):	DATE: 06/13/2024							
		PRVIA BUILDING CODE	202						



"A healthier California where all receive equitable, affordable, and quality health care" STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

OSP-0207

Table 1 - Certified Product Table

Product Line	Model	Part Number	Max Pack	age Dimen	sions [in]	Max Weight	Max CG	UUT
FIGUELENIE	Widdel	Fait Nulliber	Depth	Width	Height	[lb]	Height [in]	001
Ascom Telligence	Seismic Frame Two Post Rack	13853-X03	15.0	24.0	84.0	925	38	UUT-01
	Adjustable 4-Post Network Rack	00405927	39.8	23.8	79.0	97	77.5	UUT-04
	Cube-iT Plus	11890-X24	18.0	24.0	24.0	151	13	UUT-03
	Cube-IT Flus	11840-X24	24.0	24.0	24.0	283	10	UUT-02
	Open Frame Network 20"Wx14'Hx25"D Rack	00406439	25.0	20.0	13.8	37	11.5	UUT-05

Table 2 - Certified Subcomponents for Floor Mounted Units

Subcomponent	Part Number	Manufacturer	Weight [Ib]	UUT
Seismic Frame Two-Post Rack	13853-703	Chatsworth Products, Inc. (CPI)	180	
Power Switch	HC-IPSWITCH8	Ascom	8.6	
Station Gateway	NGGTWY2-H	Ascom	8.2	UUT-01
Smart-UPS 1500 VA	SMT1500RM2UC	APC	58.3	001-01
Equipment Tie-Down Bracket	11349-19	Chatsworth Products, Inc. (CPI)	1	
20-Outlet Surge Power Strip	12851-02	Chatsworth Products, Inc. (CPI)	4	
Adjustable 4-Post Network Rack	etwork Rack 00405927 NavePoint		81	UUT-04
PoE Switch	NGCISCO24-H	Cisco	16	001-04

Table 3 - Certified Subcomponents for Wall Mounted Units

Subcomponent	Part Number	Manufacturer	Weight [Ib]	UUT
CUBE-iT Plus 24"Wx24"Hx18"D rack	11890-724	Chatsworth Products, Inc. (CPI)	78	
Power Switch	HC-IPSWITCH8	Ascom	8.6	
Station Gateway	NGGTWY2-H	Ascom	8.2	UUT-03
Smart-UPS SC 450VA	SC450RM1UC	APC	23.17	001-03
PoE Switch	WS-3560CX-8PC-S	Cisco	5	
8-Outlet 15A Surge Power Strip	12820-701	Chatsworth Products, Inc. (CPI)	4	
CUBE-iT Plus 24"Wx24"Hx24"D rack	11840-724	Chatsworth Products, Inc. (CPI)	90	
Station Gateway	NGGTWY2-H	Ascom	8.2	
Power Switch	HC-IPSWITCH8	Ascom	8.6	
Smart-UPS 1500 VA	SMT1500RM2UC	APC	58.3	UUT-02
Equipment Tie-Down Bracket	11349-19	Chatsworth Products Inc. (CPI)	1	001-02
Horiz. Cable Management Bar	11837-01	Chatsworth Products Inc. (CPI)	2	
12-RMU Mounting Rails	12787-524	Chatsworth Products, Inc. (CPI)	3	
8-Outlet 15A Surge Power Strip	12848-02	Chatsworth Products, Inc. (CPI)	4	
Open Frame Network 20"Wx14'Hx25"D Rack	00406439	NavePoint	21	UUT-05
PoE Switch	NGCISCO24-H	Cisco	16	Page 4 of 0



UNIT UNDER TEST (UUT)

Summary Sheet

UUT-1

Model Line SeismicFrame Two Pos arbon Steel Frame; CG I rame: CPI ; Power Switch Weight [Ibs] 925 Building Code CBC 2022	Height of UUT is 38" h: ASCOM ; Station C Length	Product Co Options / Su Gateway: ASC	OM ; UPS: <i>i</i> CODE JT Propertio	Summary nt Summary APC ; Tie-Do			ASCOM	
arbon Steel Frame; CG I rame: CPI ; Power Switcl Weight [lbs] 925 Building Code	Height of UUT is 38" h: ASCOM ; Station C Length	Product Co Options / Su Gateway: ASC	bcompone OM ; UPS: / CODE JT Propertie	nt Summary APC ; Tie-Do		: CPI ; Powe		
rame: CPI ; Power Switch Weight [Ibs] 925 Building Code	h: ASCOM ; Station C	Options / Su Gateway: ASC COR UL Dimensio	bcompone OM ; UPS: / CODE JT Propertic	nt Summary APC ; Tie-Do		: CPI ; Powe	er Strip: CPI	
Weight [Ibs] 925 Building Code	h: ASCOM ; Station C	Gateway: ASC	OM ; UPS: <i>i</i> CODE JT Propertio	APC ; Tie-Do		: CPI ; Powe	er Strip: CPI	
Weight [lbs] 925 Building Code	Length 15.0	Gateway: ASC	OM ; UPS: <i>i</i> CODE JT Propertio	APC ; Tie-Do		: CPI ; Powe	er Strip: CPI	
Weight [lbs] 925 Building Code	Length 15.0	Gateway: ASC	OM ; UPS: <i>i</i> CODE JT Propertio	APC ; Tie-Do		: CPI ; Powe	er Strip: CPI	
Weight [lbs] 925 Building Code	Length 15.0	UL Dimensio	CODE JT Propertie	COA	own Bracket	: CPI ; Powe	r Strip: CPI	
[Ibs] 925 Building Code	15.04	Dimensio Wic	ons [in]	COME				
[Ibs] 925 Building Code	15.04	Dimensio Wic	ons [in]	CONIC				
[lbs] 925 Building Code	15.04	Dimensio Wic	ons [in]	es				
[Ibs] 925 Building Code	15.04	Dimensio Wic	ons [in]	es				
[Ibs] 925 Building Code	15.04	Wic						
925 Building Code	15.04		th a Market				st Nat. Freq.	
Building Code		24			ght	F-B	S-S	V
_	- 001		JI UZU		1.0	6.7	6.6	7.2
_	Test Cuiterie	Highest Pass				•		•
CBC 2022	Test Criteria	2.00	an <mark>z/h</mark> ad 1.0	Karim	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-}
	ICC-E <mark>S AC1</mark> 56	2.00	1.0	1.5	3.63	2.72	1.51 -	0.61 -
		DATE	/ounting D	024		-	-	
increase simulated test	weight.			STE	MERSWITCH GATEWAY EEL PLATES			



UNIT UNDER TEST (UUT)

Summary Sheet

UUT-2

				Tes	st Report: El	L/EASE SO	12-1117-01
Options / Subcomponent Summary CPI ; Power Switch: ASCOM ; Station Gateway: ASCOM ; UPS: APC ; Tie-Down Brunting Rails: CPI ; Power Strip: CPI UUT Properties UUT Properties Veight Dimensions [in] [1bs] Length Width Height 283 24.0 24.0 24.0 UUT Highest Passed Seismic Run Information Dimensions [in] UUT Highest Passed Seismic Run Information Ming Code Test Criteria Sps Z/h Ipr AFLX 362 2022 ICC-ES AC156 2.00 1.0 1.5 3.63 Inted directly to the wall fixture using (8) 1/4" hex washer head self tapping sheet m		Ν	lanufacture	er			
s	11840-724				ASCOM		
	Product C	onstruction	Summary				
CG Height of UUT is 13"							
	-			-			
	Gateway: AS	SCOM ; UPS	APC ; Tie-	Down Bracke	et: CPI ; Cab	le Managen	nent Bar:
PI; Power Strip: CPI							
	OB	CODE					
	FUR		OA	•			
			es		Lowe	t Not Eros	r u= 1
Cube-iT Plus 11840-724 Product Construction Summary Carbon Steel Cabinet; CG Height of UUT is 13" Options / Subcomponent Summary Cabinet: CPI ; Power Switch: ASCOM ; Station Gateway: ASCOM ; UPS: APC ; Tie-Dow CPI ; Mounting Rails: CPI ; Power Strip: CPI UUT Properties UUT Properties Weight Dimensions [in] [Ibs] Length UUT Highest Passed Seismic Run Informat Building Code Test Criteria CBC 2022 ICC-ES AC156		ight		-	. [H2] V		
							N/A
		UT UZU			11/7 (1477	
	NY KIYNY XXXXXXXX	<u> </u>			A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
		annau	i xai ii ii	3 <mark>.63</mark>	2.72	1.51	0.61
ICC-ES AC156				-	-	-	-
	DA Test	Mounting D	etails				
	s CG Height of UUT is 13" witch: ASCOM ; Station of PI ; Power Strip: CPI Length 24.0 UUT F Test Criteria ICC-ES AC156	s Product C CG Height of UUT is 13" Options / Si witch: ASCOM ; Station Gateway: AS PI ; Power Strip: CPI U Dimensi Length U Dimensi Length Vi 24.0 24 UUT Highest Pas Test Criteria Sps ICC-ES AC156 - Test	s 11840-724 Product Construction CG Height of UUT is 13" Options / Subcompone witch: ASCOM ; Station Gateway: ASCOM ; UPS: PI ; Power Strip: CPI UUT Propertie Dimensions [in] Length Width 24.0 24.0 0 UUT Highest Passed Seismic Test Criteria S _{DS} z/h ICC-ES AC156 2.00 1.0 Test Mounting D	s 11840-724 Product Construction Summary CG Height of UUT is 13" Options / Subcomponent Summar witch: ASCOM ; Station Gateway: ASCOM ; UPS: APC ; Tie- PI ; Power Strip: CPI UUT Properties Dimensions [in] Length Width He 24.0 24.0 2 UUT Highest Passed Seismic Run Infor Test Criteria S _{ps} z/h I _p ICC-ES AC156 2.00 1.0 1.5 Test Mounting Details	s 11840-724 Product Construction Summary CG Height of UUT is 13" Options / Subcomponent Summary witch: ASCOM ; Station Gateway: ASCOM ; UPS: APC ; Tie-Down Bracke PI ; Power Strip: CPI UUT Properties UUT Properties Dimensions [in] Length Width Height 24.0 24.0 24.0 UUT Highest Passed Seismic Run Information Test Criteria S _{DS} z/h IP A _{FLX-H} ICC-ES AC156 2.00 1.0 1.5 3.63 Test Mounting Details	s 11840-724 Product Construction Summary CG Height of UUT is 13" Options / Subcomponent Summary witch: ASCOM ; Station Gateway: ASCOM ; UPS: APC ; Tie-Down Bracket: CPI ; Cab PI ; Power Strip: CPI UUT Properties UUT Properties UUT Properties UUT Properties UUT Properties UUT Highest Passed Seismic Run Information UUT Highest Passed Seismic Run Information Test Criteria S _{DS} z/h I _P A _{FLX:H} A _{RIG-H} ICC-ES AC156 2.00 1.0 1.5 3.63 2.72 Test Mounting Details	s 11840-724 ASCOM Product Construction Summary CG Height of UUT is 13" Options / Subcomponent Summary witch: ASCOM ; Station Gateway: ASCOM ; UPS: APC ; Tie-Down Bracket: CPI ; Cable Managem PI ; Power Strip: CPI UUT Properties UUT Properties UUT Properties UUT Properties UUT Properties UUT Highest Passed Seismic Run Information Test Criteria S _{DS} z/h IP. A _{FLX-H} A _{RIG-H} A _{FLX-V} ICC-ES AC156 2.00 1.0 1.5 3.63 2.72 1.51

All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT)

UUT-3

Summary Sheet

st Report: ATS 300082. LILIT

							JIL ATS 309	002, 001-	
Model Line		Μ	odel Numbe	ər		N	lanufacture	er 🗌	
Cube-iT Plus	6	11890-724				ASCOM			
		Product Co	onstruction	Summary					
Carbon Steel Cabinet; C	CG Height of UUT is 10"								
		Options / Su	bcompone	nt Summar	у				
Cabinet: CPI ; Power Sv	vitch: ASCOM ; Station	=	=		-	co ; Power S	trip: CPI		
			CODI						
		FOR	CODE	Co					
	14		JT Propertie	es	0,				
Weight	is i	Dimensio	ons [in]		2	Lowes	st Nat. Freq	. [Hz]	
[lbs]	Length	Wio	dth	He	ight	F-B	S-S	V	
151	24.0	(18	P-020	7 2	4.0	N/A	N/A	N/A	
	UUT H	lighest Pass	ed Seismic	Run Infor	mation				
Building Code	Test <mark>Criter</mark> ia	SVS _{DS/ob}	an ^{z/h} ad	Kar h m	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}	
000 0000		2.27	1.0	1.5	3. <mark>6</mark> 3	2.72	1.51	0.61	
CBC 2022	ICC-ES AC156				- 1	-	-	-	
		DA Test	Mounting D	etails	IV B	•	•		
A 11 - 14	were filled with contents					1	450 1. 1		



UNIT UNDER TEST (UUT) Summary Sheet

UUT-4

Test Report: DCL 23630-2401 Model Number Manufacturer Model Line Telligence Nurse Call System Catalyst 9300-24U (in base mounted rack) ASCOM **Product Construction Summary** Carbon Steel Frame; CG Height of UUT is 77.5" **Options / Subcomponent Summary** Base Mount Rack: Navepoint (PN: 00405927); PoE Switch: Cisco ODF **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Width Height Length F-B S-S V 97 23.8 79.0 39.8 9.5 14.0 >33.3 UUT Highest Passed Seismic Run Information **Building Code Test** Criteria SDS z/h $\mathbf{A}_{\mathsf{RIG-H}}$ $\mathbf{A}_{\mathsf{RIG-V}}$ Ip. A_{FLX-H} A_{FLX-V} 2.00 1.0 1.5 3.20 2.40 1.34 0.54 CBC 2022 ICC-ES AC156 _ _ _ _ Test Mounting Details UUT-4 was rigidly mounted to the shake table using (6) 3/8" diameter Grade 5 bolts. All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-5

Test Report: DCL 23630-2401 Model Number Model Line Manufacturer Catalyst 9300-24U (in wall mounted rack) Telligence Nurse Call System ASCOM **Product Construction Summary** Carbon Steel Frame; CG Height is 11.5" **Options / Subcomponent Summary** Wall Mount Rack: Navepoint (PN: 00406439); PoE Switch: Cisco DDF **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Length Width Height F-B S-S V 37 20.0 25.0 13.8 N/A N/A N/A UUT Highest Passed Seismic Run Information **Building Code Test** Criteria A_{RIG-H} A_{FLX-V} A_{RIG-V} S_{DS} z/h I_P A_{FLX-H} 2.00 1.0 1.5 3.20 2.40 1.34 0.54 CBC 2022 ICC-ES AC156 _ _ **Test Mounting Details** UUT-5 was mounted directly to the wall fixture using (4) 5/16" diameter Grade 5 bolts.

All units were filled with contents and maintained structural integrity and functionality after AC-156 test.