



**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  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@thvmcgroup.com

Title: President





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**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**

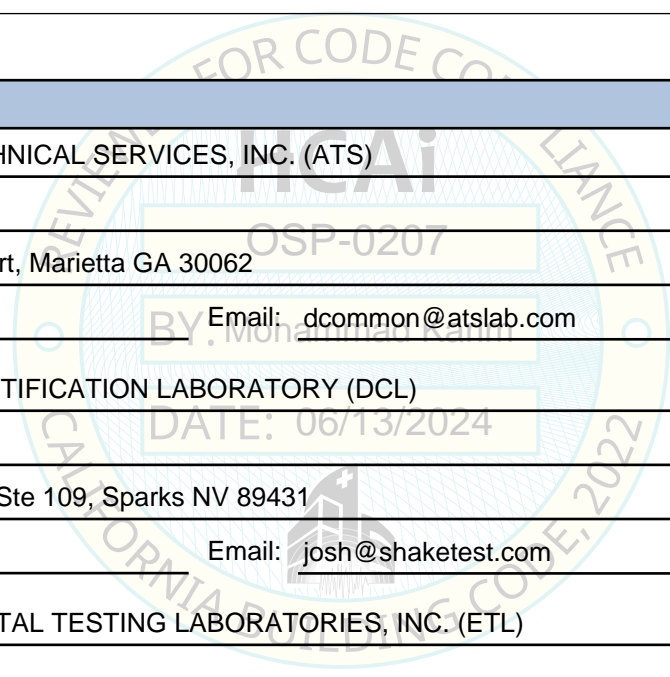
GR-63-Core       ICC-ES AC156       IEEE 344       IEEE 693       NEBS 3  
 Other (Please Specify): \_\_\_\_\_

**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@etldallas.com





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**Seismic Parameters**

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 1.44

SDS (Design spectral response acceleration at short period, g) = 2.0

$a_p$  (Amplification factor) = 1.0

$R_p$  (Response modification factor) = 2.5

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

$z/h$  (Height ratio factor) = 1

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

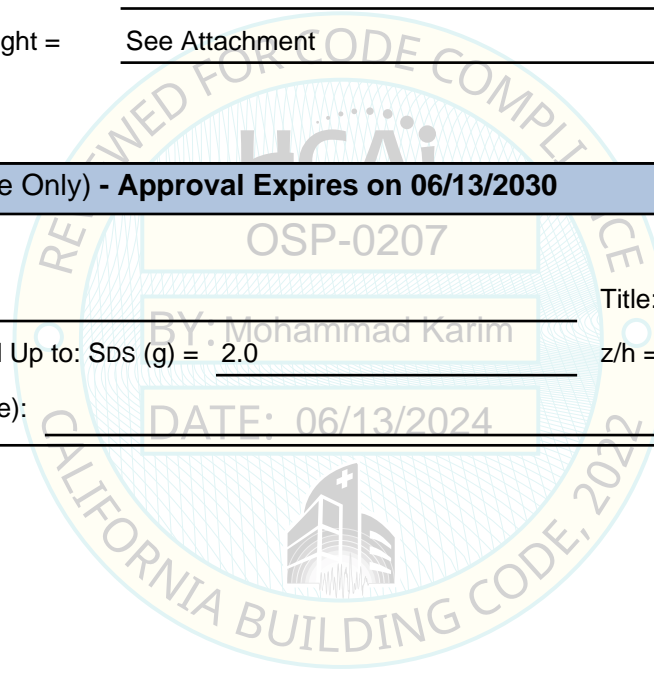
**HCAI Approval (For Office Use Only) - Approval Expires on 06/13/2030**

Date: 6/13/2024

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 2.0 z/h = 1

Condition of Approval (if applicable): DATE: 06/13/2024



**Table 1 - Certified Product Table**

Product Line	Model	Part Number	Max Package Dimensions [ in ]			Max Weight [ lb ]	Max CG Height [ in ]	UUT
			Depth	Width	Height			
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
		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 [ lb ]	UUT
Seismic Frame Two-Post Rack	13853-703	Chatsworth Products, Inc. (CPI)	180	UUT-01
Power Switch	HC-IPSWITCH8	Ascom	8.6	
Station Gateway	NGGTWY2-H	Ascom	8.2	
Smart-UPS 1500 VA	SMT1500RM2UC	APC	58.3	
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	00405927	NavePoint	81	UUT-04
PoE Switch	NGCISCO24-H	Cisco	16	

**Table 3 - Certified Subcomponents for Wall Mounted Units**

Subcomponent	Part Number	Manufacturer	Weight [ lb ]	UUT
CUBE-iT Plus 24"Wx24"Hx18"D rack	11890-724	Chatsworth Products, Inc. (CPI)	78	UUT-03
Power Switch	HC-IPSWITCH8	Ascom	8.6	
Station Gateway	NGGTWY2-H	Ascom	8.2	
Smart-UPS SC 450VA	SC450RM1UC	APC	23.17	
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	UUT-02
Station Gateway	NGGTWY2-H	Ascom	8.2	
Power Switch	HC-IPSWITCH8	Ascom	8.6	
Smart-UPS 1500 VA	SMT1500RM2UC	APC	58.3	
Equipment Tie-Down Bracket	11349-19	Chatsworth Products Inc. (CPI)	1	
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	UUT-05
Open Frame Network 20"Wx14'Hx25"D Rack	00406439	NavePoint	21	
PoE Switch	NGCISCO24-H	Cisco	16	



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-1

Test Report: ETL/EASE SQ12-1117-01

Model Line	Model Number	Manufacturer
SeismicFrame Two Post Rack	13853-703	ASCOM

**Product Construction Summary**

Carbon Steel Frame; CG Height of UUT is 38"

**Options / Subcomponent Summary**

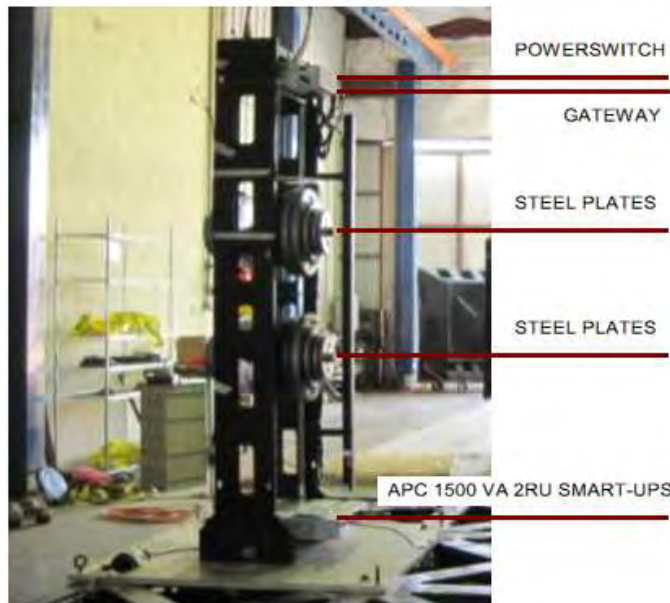
Frame: CPI ; Power Switch: ASCOM ; Station Gateway: ASCOM ; UPS: APC ; Tie-Down Bracket: CPI ; Power Strip: CPI

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
925	15.0	24.0	84.0	6.7	6.6	7.2

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.63	2.72	1.51	0.61
		-	-	-	-	-	-	-

**Test Mounting Details**

UUT rigidly mounted to the shake table using (4) 5/8" diameter cap screws with 2"x2"x3/8" plate washers. Steel plates added to rack to increase simulated test weight.



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



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-2**

Test Report: ETL/EASE SQ12-1117-01

Model Line	Model Number	Manufacturer
Cube-iT Plus	11840-724	ASCOM

**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-Down Bracket: CPI ; Cable Management Bar: CPI ; Mounting Rails: CPI ; Power Strip: CPI

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
283	24.0	24.0	24.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.63	2.72	1.51	0.61
		-	-	-	-	-	-	-

**Test Mounting Details**

UUT mounted directly to the wall fixture using (8) 1/4" hex washer head self tapping sheet metal screws with 1/4" x 1-1/4" O.D. fender washers



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



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-3**

Test Report: ATS 309082; UUT-1

Model Line	Model Number	Manufacturer
Cube-iT Plus	11890-724	ASCOM

### Product Construction Summary

Carbon Steel Cabinet; CG Height of UUT is 10"

### Options / Subcomponent Summary

Cabinet: CPI ; Power Switch: ASCOM ; Station Gateway: ASCOM ; UPS: APC ; PoE Switch: Cisco ; Power Strip: CPI

### UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
151	24.0	18.0	24.0	N/A	N/A	N/A

### UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.27	1.0	1.5	3.63	2.72	1.51	0.61
		-	-	-	-	-	-	-

### Test Mounting Details

UUT was mounted to a 3/4" plywood board using (6) M8-40 lag screws. Plywood board attached directly to wall fixture, wall fixture attached directly to shake table.



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



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-4**

Test Report: DCL 23630-2401

Model Line	Model Number	Manufacturer
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

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
97	23.8	39.8	79.0	9.5	14.0	>33.3

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54
		-	-	-	-	-	-	-

**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 Line	Model Number	Manufacturer
Telligence Nurse Call System	Catalyst 9300-24U (in wall mounted rack)	ASCOM

**Product Construction Summary**

Carbon Steel Frame; CG Height is 11.5"

**Options / Subcomponent Summary**

Wall Mount Rack: Navpoint (PN: 00406439); PoE Switch: Cisco

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	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	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54
		-	-	-	-	-	-	-

**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.