

# **Cities of Barre and Montpelier, Vermont Request for Proposal**

**PURCHASE AND INSTALLATION OF THREE (3) EMERGENCY COMMUNICATIONS CONSOLE FURNITURE WORKSTATIONS FOR BARRE CITY EMERGENCY COMMUNICATIONS CENTER. PURCHASE AND INSTALLATION OF TWO (2) EMERGENCY COMMUNICATIONS CONSOLE FURNITURE WORKSTATIONS FOR MONTPELIER EMERGENCY COMMUNICATIONS CENTER.**

**This is a combined RFP between two separate municipalities requiring two separate quotes. The municipalities are seeking an opportunity for an economy of scale, should both municipalities choose the same vendor.**

**Contact: Braedon Vail, Chief of Police  
Barre City Police Department  
15 Fourth Street  
Barre, Vermont 05641  
802-476-6613  
Email: [braedon.vail@vermont.gov](mailto:braedon.vail@vermont.gov)**

**RFP Issuance: August 5, 2022**

**RFP Response Deadline: 1:00 PM September 2, 2022**

**PRE-BID INSPECTION - Call to Schedule a viewing of the Centers to take measurements. Measurements and photos of the communications centers can be provided upon request.**

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## 1.1 GENERAL

Proposals must be received by September 2, 2022, 1:00 PM at which time the opening will take place. Paper submittals are required. Contractors interested in this project must submit four (4) copies to:

City of Barre  
Attn: Rikk Taft  
6 North Main Street, Suite 2  
Barre, VT 05641-4193  
(802) 476-0241

Proposal packages must be submitted in sealed envelopes with the following information clearly printed on the outside:

“ECC Console Workstations”  
Name of Contractor  
Due date and time

**Disclosure: Proposals must be received by September 2, 2022. Proposals that do not arrive by the specified date and time will not be accepted or reviewed. Vendors may submit their proposal any time prior to the above stated deadline. Email or fax submissions will not be accepted.**

At its sole discretion, either city may reject incomplete proposal submittals if, in its judgment, the submittal lacks information needed to effectively evaluate the proposal. Nothing in this request for proposals implies a contractual obligation with any firm, nor will either city reimburse costs for submittal preparation.

A pre-bid inspection at the Project Sites no later than August 15, 2022. Communication Centers measurements and pictures can be requested.

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(Signature of Vendor & Date)

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(Title)

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(Print Full Name)

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(Street/P.O. Box)

---

(Town, State, Zip)

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(Phone # / Email Address)

## 1.2 RFP TIMELINE

Item	Deadline
Pre-bid inspection	August 15, 2022
Deadline for RFP Questions	August 22, 2022
Proposal Due	September 2, 2022 1 PM
Vendor/Contractor Selected	September 8, 2022
Work Completed	Preferred to be finished by November 30, 2022, but will consider bids that can be completed within a reasonable time frame after this date.

## 1.3 NAME OF PROJECT

ECC Console Workstations

## 1.4 OWNERS/BUYERS

City of Barre  
6 North Main Street, Suite 2  
Barre, VT 05641

City of Montpelier  
39 Main Street  
Montpelier, VT 05602-2950

## 1.5 PROJECT SITES

Barre City Police Department  
Emergency Communications Center  
15 Fourth Street  
Barre, VT 05641

Site Visit Appointments – Contact  
Police Chief Braedon Vail [braedon.vail@vermont.gov](mailto:braedon.vail@vermont.gov)  
802-476-6613

Montpelier Police Department  
Emergency Communications Center  
1 Pitkin Court  
Montpelier, VT 05602

Site Visit Appointments – Contact  
Police Chief Brian Peete [bpeete@montpelier-vt.org](mailto:bpeete@montpelier-vt.org)  
802-223-3445

## 1.6 TYPE OF BID

Firm Fixed Design/Build

## 1.7 SUMMARY OF WORK

This design project consists of disassembly and removal of old furniture, designing, furnishing, installing, and putting into operation three (3) Emergency Communications Console Workstations at the Barre City Emergency Communications Center.

## 1.8 IMPLEMENTATION TIMELINE

All work is preferred to be completed no later than November 30, 2022. Bids within a reasonable timeframe after this date will be considered.

## 1.9 EVALUATION AND AWARD

Neither the City of Barre, nor the City of Montpelier obligates itself to accept the lowest or any proposal and reserves the right to reject any or all proposals, and to waive any formalities, informalities, and minor deviations in any proposal. The following criteria, as a minimum, will be used to evaluate proposals.

Item	Criteria	Weight
1	Cost	40%
2	Product guarantee and warranty	10%
3	Availability and proposed timeline to complete	10%
4	References	10%
5	Customer service	20%
6	Proof of meeting national standards	10%

## **1.10 INSURANCE REQUIREMENTS**

The Contractor and any subcontractors if not covered by the Contractor, shall maintain the following minimum coverages for the duration of the contract. The Certificates of Insurance shall name the City as additionally insured party as its interests may appear. All policies shall be noncancellable without 30 days prior written notice from the insurance carrier to the Cities.

Workers' Compensation: Workers' compensation insurance at minimum of \$500,000 for any one occurrence, in accordance with the laws of the State of Vermont and any other state in which it is performing the Contract Scope of Work.

General Liability Insurance: Commercial general liability written on an occurrence form with limits of not less than:

\$1,000,000 Each Occurrence  
\$1,000,000 General Aggregate  
\$1,000,000 Products/Completed Operations Aggregate  
\$50,000 Damages for Premises Rented to You

Commercial general liability insurance shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal and advertising injury, and liability assumed under an insured contract.

Automotive Liability: Automotive liability insurance covering all motor vehicles, no matter the ownership status, used in connection with the contracted project. Limits of coverage shall be in the amount required by any applicable state law.

Indemnification: The Contractor shall defend, indemnify and hold the cities and their elected officials harmless against any injury, death, loss, suit or claim, including expenses and attorneys' fees arising from any negligent action or omission on the sole part of Contractor and its Subcontractors in connection with the project.

## **1.11 CONTRACTING**

The Contractor, prior to being awarded a contract, shall apply for registration with the Vermont Secretary of State's Office to do business in the State of Vermont, if not already so registered. The registration form may be obtained from the Vermont Secretary of State, 128 State Street, Montpelier, VT 05633-1101, PH: 802-828-2363, Toll-free: 800-439-8683; Vermont Relay Service – 711; web site: <https://www.sec.state.vt.us/>. The contract will not be executed until the Contractor is registered with the Secretary of State's Office. The successful Contractor will be

expected to execute sub-agreements for each subcontractor named in the proposal upon award of this contract.

Prior to signing the contract, the Contractor shall provide the cities with a completed W-9 form and provide proof of Insurance Coverage in accordance with this Request for Proposal requirements for the Contractor and any subcontractor. The certificate of insurance coverage shall be documented on forms acceptable to the cities.

If the award of the contract aggrieves any firms, they may appeal in writing to the City of Barre, City Council 6 North Main Street, Barre, VT 05641 and the City of Montpelier, City Council 39 Main Street, Montpelier, VT 05602. The appeal must be post-marked within seven (7) calendar days following the date of written notice to award the contract. Any decision of the City Councils is final.

The cost of preparing, submitting and presenting is the sole expense of the firm. Both cities reserve the right to reject any and all proposals received as a result of this solicitation or to cancel this RFP in part or in its entirety if it is in the best interests of either city. This Request for Proposals in no way obligates either city to award a contract.

### **1.12 REFERENCES**

The Contractor shall provide three (3) current references in the Proposal. References provided shall include the customer's company name, title, email address and phone number of the point of contact who can verify that the Contractor has successfully provided the services as defined in this RFP. It is the Bidders responsibility to check the Town website for any RFP Addendums.

### **1.13 TIMELINE**

The Contractor shall include a project implementation timeline, including project start and completion dates, and as much of a detailed schedule of work as possible to meet the deadlines specified in the **RFP Timeline, Section 1.2** above.

## **2.1 SITE EXAMINATION**

Each Bidder will be held to have examined the premises. No allowance will be made subsequently in this connection on behalf of a Contractor for an error or negligence on his/her part. The Contractor is responsible for verifying information given in these documents.

## **2.2 GUARANTEE AND WARRANTY**

Warranty period must be a minimum of 5 years from date of issuance of Certificate of Substantial Completion. Provide Electronic Warranty Documents.

## **2.3 CODES, ORDINANCES, INSPECTIONS AND PERMITS**

Work is to be executed and inspected in accordance with local, state, and federal codes, laws, ordinances, rules, and regulations applicable to particular class of work. Any required permits and inspections shall be obtained by the Contractor.

## **2.4 COMPLETION OF WORK**

A. Operation and Maintenance Manual – A bound manual shall be prepared in duplicate containing complete repair parts list and operating, service and maintenance instructions if not covered under warranty. Provide an electronic copy as well.

B. Upon notification by the Contractor, the Consultant will witness final testing of the consoles and, if found acceptable, approve as complete.

## **2.5 UNIT COST INFORMATION**

Supplier must include cost of individual components in line-item pricing. Supplier must quote unit prices for individual items specified and guarantee said unit price (+freight and installation) for additional purchases for one year following sign-off and/or beneficial use and occupancy. Failure to provide this information may cause Supplier's proposal to be eliminated from the decision.

## **2.6 SALES TAXES**

Sales taxes **are not** to be included in unit pricing. A tax exemption certificate/number will be provided to the selected supplier for each city.

## **2.7 PAYMENT TERMS**

Standard terms shall be 50% upon purchase agreement signed, 40% upon delivery/installation, NET 30 days after satisfaction and acceptance of completion with 10% retention to be released upon final satisfaction and acceptance of completion. If delivery and installation spans multiple billing periods, customer will authorize payment of partial invoices submitted based on vendor's standard terms and conditions and substantial completion (suitable for occupancy and use) of workstations in each installation segment.



## **2.8 CHANGE ORDERS**

Any change orders require prior approval. There shall be no changes in work or materials by the contractor without issuance of an approved written change order.

## **2.9 ADDITIONAL SERVICES**

Please list the additional services your company is able to provide for this project and what are the related charges for those services.

**PLEASE READ PAGES 9 THROUGH 22 FOR THE RECOMMENDED SPECIFICATIONS FOR THE CONSOLE FURNITURE AND ANSWER QUESTIONS WITH THE ABILITY TO COMPLY WITH SAID SPECIFICATIONS AND/OR IDENTIFY EXCEPTIONS AND ATTACH TO THE RFP.**

## RECOMMENDED SPECIFICATIONS FOR CONSOLE FURNITURE

Public Safety/911 Emergency Communication Centers have unique challenges and demands; conventional office furniture does not provide an acceptable level of function, technology integration, user ergonomics features, nor durability. When specifying furniture for an Emergency Communications Center, it is important to recognize that furniture should meet minimum requirements to support key performance requirements:

- Consoles are utilized 24 hours per day/ 7 days per week by different employees with different physical sizes and needs; this is more than five times the average use and wear of conventional office furniture annually.
- Consoles must house and power extensive technology support including multiple monitors - in-line, stacked and/or combined with large-format screens models.
- Console furniture must provide additional storage for ancillary rack mount electronics.
- Consoles must provide no less than 10 years of 24/7 use which is required for the expected 80,000 hours of use over the course of a console’s lifetime.

Conventional office furniture systems will not be considered for emergency communications center applications. The following categories have been identified for critical compliance and should be met by Dispatch Console furniture manufacturers and providers.

Stability – Function	Main Body Electrical Requirements	Monitor Viewing Support
Support Adjustments	Partitions and screens	Technology Equipment Enclosures
Personal Base Storage	Personal Stacking Storage	Stacking Pallets
Cable Management Rail	Materials	General Electrical Requirements
Wire and Cable Management	Environmental Control System	Supplemental Task Lighting
Experience & References	Space Planning & Console Specifics	Comprehensive Warranty, Service & Maintenance Agreement
Lead Time & Installation Rigor	Documented Product Certifications	

Consoles should be designed and manufactured to meet the following industry standard, and third party tested, guidelines for safety, strength, durability, and a healthy workplace:

- SCS Global Services Indoor Air Advantage Gold SCS-EC10.3-2014 v3.0 certified for protecting indoor air quality by minimizing volatile organic compound chemical off gassing through design engineering and materials selection. Any deviation from the specification MUST be submitted in writing.

- CARB (California Air Resources Board) compliant for reduction of formaldehyde emissions, identified as an airborne toxin. Any deviation from the specification MUST be submitted in writing.
- Textiles compliance with CA TB 117 (California Technical Bulletin) Flammability Standard Requirements for Upholstered Furniture products. Any deviation from the specification MUST be submitted in writing.

A "Scope of Deviations" statement must be provided with the proposal that references, by number, the following functional specification requirements along with a detailed explanation of the bidder's "compliance," "partial compliance," or "alternative method proposed." The absence of a "Scope of Deviations" statement may cause the bid response to be rejected as non-responsive.

### 1. Stability – Function

- 1.1. The console furniture is designed specifically for 24/7 operations in an emergency communications center environment.
- 1.2. The console furniture is modular in design so as to be easily reconfigured and upgraded.
- 1.3. Technology storage and personal storage units stand free from the main console body so they can be field removed or replaced without deconstruction on the console unit.
- 1.4. Sit-to-stand legs are bolted into the console undercarriage and to the underside of the input support surface creating maximum proportional stability; free-standing leg and feet systems will not be acceptable.
- 1.5. There are no obstructions side-to-side obstructions within the console footprint that will inhibit movement by the user, a critical component in order to provide on-going training of users and technology. Knee space must span a minimum of 70% of the console's overall width.
- 1.6. Horizontal work surfaces must be strong and rigid and able to meet all required standards for furniture construction as outlined by ANSI/BIFMA X5.5-2008, Desk Products.

**Does your console solution fully comply with the above specifications for general stability and function? yes \_\_\_ no \_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

### 2. Input support surface

- 2.1. The input support surface must lower to at least 22" from the floor.
- 2.2. The input support surface must raise to 48" above the floor to accommodate the 99th percentile standing male per ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.2.4.3.

- 2.3. The height-adjustability must be engineered so as to provide infinite adjustment throughout the entire adjustment range, a critical function to meet ergonomic standards and reduce repetitive strain injuries and carpal tunnel syndrome.
- 2.4. The input support surface must be a level platform that is wide enough to accommodate multiple input including keyboards, mice, and writing surface.
- 2.5. The input support surface must have enough surface area to accommodate input devices within a primary and a secondary work zone and to meet ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 5.2.4.1 standards.
- 2.6. The input support surface must allow the user to maintain elbow angles between 70 and 135 degrees to meet ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 5.2.1.1 standards.
- 2.7. The electronic adjustment must be independent of the monitor support; other adjustment methods will be deemed unacceptable.
- 2.8. The electronic adjustment to be controlled through a digital read-out to ensure precise user-preferred replication.
- 2.9. The electronic adjustment controls must be mounted in a location that meets ADA standards for accessibility.
- 2.10. Top mounted adjustment controls do not meet ADA requirements for accessibility and will be deemed not acceptable.
- 2.11. Adjustment controls shall have an option for a Wellness function to track standing usage and encourage users to use the adjustment controls to change posture throughout their shift.
- 2.12. The input support surface must adjust simultaneously with the monitor support in order to retain relative positioning between both surfaces when changing from sitting to standing. This promotes ergonomic alignment and a timely and controlled shift from sitting to standing work postures.
- 2.13. The input support surface must have a static load capacity of 1200 lbs. and an equipment load capacity of 500 lbs to accommodate multiple models and quantities of various input devices.
- 2.14. Lifting columns for the input surface should be integrated into the storage cavities for increased stability; leg set bases should not be exposed.
- 2.15. The input support surface legs must have integrated anti-collision software to promote user safety, detect obstacles and prevent damage to console or equipment.
- 2.16. A minimum safety clearance of 1.25" shall be required between all moving surfaces. ANSI-HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.1.2.
- 2.17. The position of the input support surface relative to the lifting legs and ancillary enclosures

needs to be positioned so as to provide unobstructed knee clearance for users in the seated operating position and in accordance with ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.2.1.

- 2.18. The input support surface should be controlled through the use of 24 VDC motors.
- 2.19. There should be surface-mounted, user-configurable, user-accessible voice and data connections (RJ12, RJ45 USB, 3.5mm Audio) available and accessible from the front of the console.
- 2.20. All moveable components of the console's input support surface and lifting mechanisms shall be designed and tested to at least 40,000 cycle full range adjustments.

**Does your console solution fully comply with the above specifications for the input support surface? yes\_\_\_ no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

### **3. Monitor Viewing Support**

- 3.1. The console design must include adjustment of monitors so that the gaze angle to the center of the screen ranges between 15° and 20° below horizontal eye level per ANSI-HFES 100-2007 Human Factors Engineering of Computer Workstations 5.2.4.3.
- 3.2. The console design must accommodate use of up to (5) 24" widescreen LCD flat panel monitors on a single tier, and up to (10) 24" widescreen LCD flat panel monitors in a stacked configuration and provide independent angle and tilt adjustment for each monitor.
- 3.3. The monitor mounting array should allow for focal depth adjustment height articulation of each independent monitor.

**Does your console solution fully comply with the above specifications for monitor support controls? yes\_\_\_ no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

### **4. Support Adjustments**

- 4.1. All mechanical and powered support adjustment mechanisms shall operate at a speed approximately 1" per second.
- 4.2. Input surface support adjustment mechanisms to be controlled through a digital read-out to ensure precise replication for individual users who share a single console workstation.
- 4.3. All mechanical and powered support adjustment controls must be mounted in a location that meets ADA standards for accessibility; top mounted adjustment controls will be deemed unacceptable.

- 4.4. All mechanical and powered support adjustment mechanisms including “lifting systems” must operate quietly with a maximum sound level of 50db.

**Does your console solution fully comply with the above specifications for powered support adjustments? yes \_\_\_ no \_\_\_ If you answered “no,” please identify the exceptions and attach them to this RFP response.**

## **5. Partition Screens**

- 5.1. Partition and screen frame components must be constructed of 14 gauge cold rolled steel for maximum strength and durability.
- 5.2. All steel frame components must be bolted together in a minimum of four places to ensure maximum strength and durability.
- 5.3. All steel components must be powder coated for lasting durability; enamel paint is not sufficiently durable and will not be acceptable.
- 5.4. All external-facing screen components must be available in abrasion resistant fabric covering.
- 5.5. Internal screen components, including tackable core surfaces, must be fabricated with materials that contain a minimum of 85% recycled content.
- 5.6. The partitions and screens must be integrated into the main body of the furniture; freestanding panels will be deemed unacceptable.
- 5.7. The screen/partition system must sit within the console body’s footprint so as to not reduce available open floorspace.
- 5.8. All screen and partition fasteners must be completely concealed.
- 5.9. All screen and partition components must be field replaceable.
- 5.10. All side and back facing screen and partitions must be available in 42”, 48”, 54” and 60” heights; 36” return screens should also be available.
- 5.11. All screen and partitions must be available with a shatter-proof 12” acrylic upper section to help maintain sight lines.

**Does your console solution fully comply with the above specifications for partitions and screens? yes \_\_\_ no \_\_\_ If you answered “no,” please identify the exceptions and attach them to this RFP response.**

## **6. Equipment Enclosures - Console Technology Storage**

- 6.1. Console technology storage enclosures must be accessible from both the front and the rear.
- 6.2. Console technology storage enclosures must not attach directly to the primary work surface.
- 6.3. Console technology storage enclosures must be available in 24" and 30" heights.
- 6.4. Console technology storage enclosures must be available in 30", 42" and 50" widths.
- 6.5. Console technology storage enclosures must be available in a 24" depth.
- 6.6. Enclosures must be engineered to support stacking storage components atop the units to allow for additional technology storage or personal storage without taking up added floor space.
- 6.7. Console technology storage enclosure rear access doors must offer cooling by a minimum of 2 each 50 CFM axial cooling fans.
- 6.8. Console technology storage enclosure front access doors must utilize a vented plenum system to draw cool air into the enclosure.
- 6.9. All console technology storage enclosure must have an active cooling system to ensure that cabinets are kept at the optimum temperature for peak technology performance.
- 6.10. Console technology storage enclosures must have horizontal cable management systems.

**Does your console solution fully comply with the above specifications for technology storage?  
yes\_\_\_no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP  
response.**

## **7. Cable Management**

- 7.1. Cable pathways must be easy for the tech to access from the front of the console.  
Consoles which require rear access will not be considered.
- 7.2. Monitor and keyboard cables must have separate pathways from the computer to the end point.
- 7.3. Cable entry path from computer cabinet to the consoles must have opening large enough for all cables and a hand to fit through. Minimum of 2.5" in height by 10" wide.
- 7.4. Cable bridge shall support cables from cabinet to console. Must have separate pathways for low voltage and high voltage.
- 7.5. Cabling shall be guided through a 3<sup>rd</sup> energy chain from the back of the monitor to the focal depth platform to keep cables organized during focal depth adjustments.

- 7.6. Cabling should be guided from CPU cabinet or panel enclosure to the monitor surface of the adjustable table in an energy chain with easy flip-up cable channel access.
- 7.7. Keyboard cabling shall be guided from the cable bridge through energy chain to keyboard surface.
- 7.8. "J" Channel under the monitor surface shall have enough internal room to hold all the cables and any power transformers. "J" channel around back of monitor surface aligned with grommets for management of cables / transformers and cable connections.
- 7.9 Supplier shall provide premium quality extension cables as required to connect monitor, keyboards, keyboard mice, and all devices.

**Does your console solution fully comply with the above specifications for the cable management rail? yes\_\_\_ no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

#### **8. Enclosures - Personal Base Storage**

- 8.1. Personal base storage enclosures must be available in 24" and 30" heights.
- 8.2. Personal base storage enclosures must be available in 30", 42" and 50" widths.
- 8.3. Personal base storage enclosures must have optional filing storage sized at 20" wide.
- 8.4. Personal base storage enclosures must be available in a 24" depth.
- 8.5. Personal base storage enclosures must be available in single and dual sided configurations.
- 8.6. Personal base storage enclosures must be available in combinations including open-drawer-door, open bookcase, and closed door configurations.
- 8.7. Enclosures must be engineered to support stacking storage components atop the units to allow for additional personal storage without taking up added floor space.

**Does your console solution fully comply with the above specifications for personal base storage? yes\_\_\_ no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

#### **9. Enclosures - Personal Stacking Storage**

- 9.1. Personal stacking storage enclosures must be available in 18", 24" and 30" to correspond with the heights of the partition screens.
- 9.2. Personal stacking storage enclosures must be available in 20", 30", 42" and 50" widths.



- 9.3. Personal stacking storage enclosures must be available in a 24" depth.
- 9.4. Personal stacking storage enclosures must be available in single and dual sided configurations.
- 9.5. Personal stacking storage enclosures must be available in combinations including open-drawer-door, open bookcase, and closed-door configurations.

**Does your console solution fully comply with the above specifications for personal stacking storage? yes\_\_\_ no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

### **10. Enclosures - Stacking Pallets**

- 10.1. Stacking pallet enclosures must be available in an 8" height.
- 10.2. Stacking pallet enclosures must be available in 20", 30", 42" and 50" widths.
- 10.3. Stacking pallet enclosures must be available in a 24" depth.
- 10.4. Stacking pallet enclosures must be cable ready to allow the placement of electrical components.
- 10.5. Stacking pallet enclosures must include at least one grommet pass through and at least one monitor support mounting location.

**Does your console solution fully comply with the above specifications for stacking pallets? yes\_\_\_no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

### **11. Materials**

#### **11.1. Storage Enclosures**

11.1.1. Wood parts should be constructed of 42 lb. density particle board with THERMALLY FUSED MELAMINE (THERMALLY FUSED LAMINATE) on both sides.

11.1.2. Steel parts should be manufactured from 14 gauge cold rolled steel for maximum strength and durability.

#### **11.2. Surfaces**

11.2.1. All monitor and input surfaces should be 42 lb. density, 1 1/8" thick wood core material, pressure bonded with a high-pressure horizontal grade laminate top and sealing horizontal grade backing sheet of laminate on the underside to prevent deflection.

### 11.3. Edge Material

- 11.3.1. All storage enclosures, including fixed or mobile pedestals, must have edges finished with 1.5mm thick thermoplastic polypropylene extrusion with self-healing properties for maximum durability.
- 11.3.2. All input support surfaces must use a 3mm thick thermoplastic polypropylene extrusion edging with self-healing properties for maximum durability.
- 11.3.3. All input surface edging must have a minimum 3mm radius on front edge so as to comply with ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.1.4.

### 11.4. Laminates

- 11.4.1. High pressure laminate must meet ANSI/ASME A 17.1; 1986 requirements for Class "B" laminate and ASTM D523-89, providing a non-glare matte finish.
- 11.4.2. All monitor and input surfaces must be .0625" thickness horizontal grade laminate on the top surface and on the backing sheet, to prevent deflection.
- 11.4.3. Thermally fused laminate must meet NEMA LI-1-1998; low pressure laminate is not acceptable.

### 11.5. Textiles/Fabric

- 11.5.1. All textiles must be abrasion resistant to meet ASTM D-3597 MVPTS-198 standard.
- 11.5.2. All textiles must meet flammability requirements in accordance with ASTM E-84 (Tunnel Test) Class A, or 1, and the State of California Technical Bulletin 117 Sec. E (SC-191-53) standards.
- 11.5.3. All textiles must be made from 100% recyclable materials.

### 11.6. Powdercoat

- 11.6.1. Powdercoat must meet ASTM D3359-09 adhesion standard for durability.
- 11.6.2. Powdercoat must meet PCI #8 Solvent Cure Test for durability.

**Does your console solution fully comply with the above specifications for materials? yes\_\_\_no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

## 12. Electrical Requirements

- 12.1. Every console will have (2) Power Distribution Units (PDU) units. Each PDU Unit must provide

(10) NEMA 5-15R outlets and a NEMA 5-15P input. PDU unit must include a 15 foot cord. PDU must be UL listed and CSA rated.

12.2. The total power draw for an individual console may not exceed 13.3 amps; this includes the console lifting system and all environmental controls.

**Does your console solution fully comply with the above specifications for electrical requirements? yes\_\_\_ no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

### **13. Wire and Cable Management**

13.1. The console must include two cable access drops with energy chains for vertical cable management from the input support surface to the equipment enclosures.

13.2. A quick connect user-accessible interface with accommodations for up to 1 configurable ports must be available and must include ports, jacks and cables for: USB-A, RJ45, RJ11/12, and 3.5mm stereo audio connection kits; the quick connect interface must also provide cable management for the equipment it serves.

13.3. The console infrastructure must support cable management from the user's position to the CPUs inside the console.

13.4. The console must have a horizontal cable raceway for unencumbered and easily serviceable runs.

13.5. The console must have a horizontal cable raceway that is easily accessible and allows drop-in cable runs to accommodate easy technology updates and service access.

13.6. Cables routed within the walls of a furniture panel system will not be acceptable.

### **14. Environmental Control System**

#### **14.1. Control Panel**

14.1.1. The control panel for all environmental settings (task lighting, heating controls, and air distribution) must be integrated with the console body.

14.1.2. The control panel must be easy to clean and sanitize.

14.1.3. The height for the input support surface must be shown on a digital read-out to ensure total replication of console positioning for all employees; the digital readout for the input support surface shall display inches from the floor.

14.2. ADA Compliance 14.2.1. There must be an optional electronic adjustment control located within reach of a wheelchair to meet ADA requirements.

### 14.3. Air Distribution

- 14.3.1. Fans shall be incorporated into the furniture design, providing maximum individualized control within the user's primary work zone. UHC shall incorporate a motion detector which will shut down all selected functions when workstation is unoccupied for fifteen (15) minutes. All previously selected functions will resume when motion detector senses movement in the workstation.
- 14.3.2. The console must have user-adjustable fans for circulating filtered air with a minimum of two distinct speeds.

### 14.4. Lighting Levels

- 14.4.1. Two LED task lights shall be at each station. Light shall be dimmable and have 2 arm adjustments for user comfort.
- 14.4.2. The console must have integrated ambient lighting.
- 14.4.3. The console must have flexible gooseneck style task lighting to allow proper placement of light over work area.
- 14.4.4. All integrated lighting on the console shall be mechanically fastened to the console to prevent removal; lights should be removable for maintenance.

### 14.5. Personal Heating

- 14.5.1. Two (250) watt forced air heaters located under the monitor surface shall be provided. Heaters must be able to blow heat on hands or feet. Heater to be controlled by a switch on the UHC.
- 14.5.2. Floor mounted heating solutions will not be acceptable.

### 14.6. Power Requirements

- 14.6.1. The console should operate with 120 VAC, 60Hz.
- 14.6.2. The console must have a 15 ft. power cord with 3-prong plug.
- 14.6.3. The console should draw a minimum of 0.3 amperes and a maximum of 13.3 amperes.

**Does your console solution fully comply with the above specifications for environmental controls? yes\_\_\_ no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

### **15. On/Off Task Lighting-Freestanding Supplemental Task lighting**

- 15.1. The console should accommodate a 3-point articulating arm that swivels 120-degrees and provides a 180-degree tilt for additional light control.
- 15.2. The console should accommodate additional task lighting that can be mounted to the input support surface using a grommet mount, or directly to the monitor support rail.
- 15.3. All task lighting on the console must provide approximately 50,000 hours of lamp life.
- 15.4. The task lighting color temperature should not exceed 3,800K.
- 15.5. The task lighting should have a 3-lever dimmer to adjust illumination as needed to reduce eye strain.
- 15.6. Ancillary task lighting must be available in three colors - silver, white, and black.

**Does your console solution fully comply with the above specifications for accommodating freestanding and supplemental task lighting? yes\_\_\_ no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

#### **16. Experience & References**

- 16.1. The manufacturer of the console furniture being proposed must have a proven record of product longevity and customer service in a 24-hour operating environment for public safety dispatch centers of similar size to this request.
- 16.2. The manufacturer of the console furniture being proposed must have a minimum of 15 years' experience in designing, manufacturing, and servicing ergonomic console furniture will be considered.
- 16.3. The manufacturer of the console furniture being proposed must provide references for similar sized projects that were installed within the last 10 years; include the agency name, location, number of positions, and contact.
- 16.4. The bidder must be the manufacturer of all major components such as work surfaces, console panels, structural support system, and environmental controls.

**Does your experience fully comply with the above specifications? yes\_\_\_ no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

#### **17. Space Planning & Console Specifics**

- 17.1. Perspective drawings are required with the response submission and must include height, width, and depth dimensions in order to determine compliance with the specifications.
- 17.2. All accessories being proposed should be shown in the drawings.

17.3. Customer provided electronics such as monitors, telephones, keyboards, mice, etc. shall be shown, to scale, in the 3-dimensional/perspective drawings.

**Does your submission fully comply with the above specifications? yes\_\_\_ no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

## **18. Warranty and Service and Maintenance Agreement**

18.1. The bidder and manufacturer must provide at least a five year warranty coverage for all product, delivery, and installation; no costs associated with replacement or repair of any portion of the product or installation will be passed on to the customer during the first five years of warranty.

18.2. The bidder and manufacturer must provide Lifetime warranty on all structural components. After five years, labor and installation expenses associated with the product replacement under the warranty will be assessed on a case-by-case basis. Products not covered for life include: electrical components, monitor arms, and the input platform mechanisms.

18.3. The bidder and manufacturer must provide an optional service and maintenance agreement that can be quoted upon request, to mitigate hidden expenses associated with product replacement after the initial warranty period. The optional service and maintenance agreement must cover additional required installation and regularly scheduled service that may occur after the initial warranty period expires.

**Does your console solution fully comply with the above warranty and service agreement requirements? yes\_\_\_ no\_\_\_ If you answered "no," please identify the exceptions and attach them to this RFP response.**

## **19. Lead Time & Installation**

19.1. The manufacturer must provide lead times and identify date of order and proposed final installation at each location.

19.2. The manufacturer must include a shipping estimate for direct, inside delivery to the facility.

19.3. Only the manufacturer's factory installers or their trained and authorized designees experienced with the working environment of a public safety dispatch center shall assemble and install the console furniture; documentation must be provided for the installation foreman.

19.4. The manufacturer must provide a plan for a post-installation walkthrough intended to confirm full compliance to the floor plan, console design, and materials specified.

19.5. The manufacturer must provide a detailed plan for training all users and support staff in the proper use of all adjustment controls, ergonomic functions, and technical access.

19.6. The manufacturer must provide user manuals.

**Does your console solution fully comply with the above lead time and installation requirements? yes\_\_\_no\_\_\_ If you answered “no,” please identify the exceptions and attach them to this RFP response.**

**20. Required and Preferred Product Certifications**

20.1. ANSI/BIFMA X5.5-2008, Desk Products

20.2. ANSI/BIFMA Furniture Emissions Standard M7.1 and e-3-2014e

20.3. SCS Global Services Indoor Air Advantage Gold SCS-EC10.3-2014 v3.0

**Does your console solution fully comply with the above certification requirements? yes\_\_\_no\_\_\_ If you answered “no,” please identify the exceptions and attach them to this RFP response.**