

Annex A.1.1 General Specifications

1. Scope

- 1.1. This specification details the technical requirements, which apply to the furniture components for consoles to be purchased by Canada.
- 1.2. These specifications must be read in conjunction with article 2.0, Publication and Testing Requirements of this annex. All products must meet the latest publications and testing requirements in effect at date of the response to this solicitation,
- 1.3. The Contractor is responsible for supplying all necessary hardware, trim, connectors, supports, components (including electrical components) and wall mounts etc. to allow the consoles to be installed.

2. Publications and Testing Requirements

2.1. Publications

The Product offering must meet all the Standards and requirements listed in this section. All references to the publications refer to the latest issue.

- 2.1.1. American National Standards Institute – Business Institutional Furniture Manufactures Association (ANSI/BIFMA)
- 2.1.2. Consoles must be designed in accordance with the ergonomic standards of ISO 11064, ANSI/BIFMA and CSA.
- 2.1.3. Underwriter Laboratory Inc. (UL).
- 2.1.4. The complete electrical system and all components must be UL listings
- 2.1.5. CAN/ULC-S102-10. Standard Method of Test for Surface Burning Characteristics of building Materials and Assemblies

2.2. Testing Requirements

The Product offering must meet all the test requirements listed in this section. All references to the test methods refer to the latest issue.

- 2.2.1. Vendor shall demonstrate ISO 9001 certification as a measure of consistent quality and performance.
- 2.2.2. The keyboard support must be tested and meet CAN/CGSB-44.229.
- 2.2.3. Test reports must not be more than five years old from the date the test was performed with the exception of the fabric tests applicable to the ACT Voluntary Performance Guidelines.
- 2.2.4. Revised Test Standard(s): Reference is made to the testing Standards listed within this annex and to the requirement that all products offered in the RFP have successfully passed the referenced testing Standards. If the referenced test Standards change, the products must successfully pass the revised test

Standard(s). Only the tests that have been revised must be performed, and, this testing must occur within nine months from the date of the revised test Standard(s).

- 2.2.5. Product Changes: When physical changes are made to products already tested against the above referenced test Standards, the changed product(s) must also be tested within nine months from the date of the product change. The applicable tests and the applicable test Standards will be those deemed by an Acceptable Test Facility.
- 2.2.6. All tests must be completed by an acceptable test facility.

3. General Requirements and Performance Mandatories

- 3.1 The Console must accommodate a variety of computer, communication displays, environmental controls and operator interface devices.
- 3.2 The console shall include efficient ventilation and wire management systems.
- 3.3 The design of the console shall address the functional, ergonomic and aesthetic requirements of the particular working environment while complying with accepted human factor design and ergonomic standards for viewing distances, angles, and knee space.
- 3.4 The work surfaces platform shall have smooth edges and transitions, thus avoiding sharp corners including the CPU holder. Components with the console shall be of pre-engineered model construction.

3.5 Framework Construction

- 3.5.1 Steel framework to consist of intermediate and end frame connection by horizontal stringers. The self-supporting framework must be capable of supporting the weight of the console and the specified electronics without the need of attachments of any external panels. Corners are to consist of 15, 45, and 90 degree 12 gauges steel corner fillers shall be available. Corner fillers to feature fastening system for installation.

3.6 Work surfaces

- 3.6.1 Work surface must have a minimum 29mm (1 1/8") thick MDF core work surface or a minimum 25mm (1") particleboard (wheat chaff not acceptable.) The Work surface to support the installation and equipment of a 180 degree swivel CPU holder without deflection. Sizes of the work surface to match the drawings performance mandatory and to be site verified, customizable sizes to suit the layout may be required.
- 3.6.2 Surface edges to match and align with credenza surface.
- 3.6.3 If a grommet is used within a work surfaces measuring 1219mm (48 in.) wide and less must have one grommet as part of the work surface. All work surfaces greater than 1219mm (48 in.) wide must have two grommets incorporated into the work surfaces.

3.7 CPU Holder

- 3.7.1 Richelieu Model number 500736190 Ergo 50073XX Series or equivalent.
- 3.7.2 Undersurface CPU holder is to be an articulating bracket able to extend 180degree swivel mount.
- 3.7.3 Must fit CPUs from 343mm (13.5") to 546mm (21.5") H by 137mm (5.4") to 239mm (9.4") W
- 3.7.4 Mounting hardware for the CPU holder, any specified electronics shall be available upon request. All hardware needed for assembly to be provided.
- 3.7.5 Weight: maximum 15 lbs. Load capacity minimum 85lbs

- 3.7.6 Soft touch knob with key locking system
- 3.7.7 Tamper-proof locking nut
- 3.7.8 Adjustable width and height and depth

3.8 Intermediate and End Frames

- 3.8.1 Intermediate and end frames are to be capable of supporting a fully loaded system including the weight of the console and the specified electronics. Intermediate. Gables span lengths are to be determined by the manufacture.
- 3.8.2 Threaded adjustable glides with a 25mm (1) height adjustable range are to be included. End frame shall feature an anti-tip extension and the intermediate frame shall feature three grommet holes
- 3.8.3 Hinged duct cover made of 18 gauge steel for access to cable raceway.
- 3.8.4 Finished side and end panels.

3.9 Horizontal Stringers

- 3.9.1 Stringers are to be constructed from 12 -14 gauge formed steel metal horizontal stringers with fastening system shall be 51mm high and available in 609mm, 1218mm and 1827mm widths.

3.10 Power Management Raceway

- 3.10.1 The power management Channel to be mounted the back of the work surface.
- 3.10.2 Raceway to be supported from the work surface.
- 3.10.3 Complete with cut outs to align with the receptacle locations within the wall.
- 3.10.4 Both electrical cables and data cables mounts to the tray, tray designed separates and shield the harnesses and power module from data cabal as per North American Electrical Standards.
- 3.10.5 Hinged cover made of 18 gauge steel for access to cable raceway
- 3.10.6 The cable raceway shall be continuous throughout the entire back of the work surface.

3.11 Power and Data Rail

- 3.11.1 Power and data rail with cable grommets. Fastening system to be included combined with 14 gauge shelf bracket. Refer to drawing and Performance mandatory for required location.

3.12 Overhead Storage

- 3.12.1 Overhead Storage to consist of open shelves and LED task light mounted to the underside of the shelf that fit above the monitor allowing sufficient space to accommodate the required monitor arrangement. Power locations to be identified within shop drawings. Overall Dimensions: Refer to elevations drawings for locations.

3.13 Monitor Array

- 3.13.1 A fully integrated black anodized aluminum track system capable of supporting a wide variety of monitor arrays while providing simple horizontal adjustment is to be included.
- 3.13.2 Sizes of the Monitor array to match the drawings and performance mandatory.
- 3.13.3 Single Monitor Arm vertical post to be a versa compatible, with height- adjustable

mount. Refer to drawing and performance requirements for requirements.

3.14 Storage Products

- 3.14.1 All storage credenzas must be keyed alike. There must be two (2) keys provided for each locked unit. The minimum number of key combinations must be 50. A total of three (3) master keys must be provided.
- 3.14.2 All storage products must be finished on the top and all sides.
- 3.14.3 All closed compartments within a storage unit must be lockable and keyed alike.
- 3.14.4 Credenza units must have hinged doors that open fully.
- 3.14.5 All doors must be equal in size.
- 3.14.6 P-lam storage products must be in laminate storage product that comes from the same range of colour as the consoles.
- 3.14.7 All storage units must have a leveling mechanism with a vertical adjustment of at least 3mm (0.1 in.)
- 3.14.8 Drawer pull/handle to be included for each door and drawer storage units, style is an arched style pull.
- 3.14.9 Must have a minimum of three (3) metal door/pull options to be presented after contract award.
- 3.14.10 All Credenza to come equipped with adjustable shelves with the appropriate hardware to adjust the shelf within 1-15 interval

4. Workmanship

- 4.1 The finished product must be uniform in quality, style, material and workmanship and must be clean and free from any defects that may affect appearance, serviceability or safety. When assembled in all possible configurations there must be no visible unfinished edges or surfaces.
- 4.2 All edges and corners with which the user is intended to come in contact must be eased or radius.
- 4.3 Metal edges must have rounded corners or be covered with protective caps.
- 4.4 Welds: All welds must be structurally sound, free from cracks and surface voids. They must be clean, smooth and uniform in appearance and free from scale, flux, trapped foreign matter or any other inclusions that may be detrimental to the application of the primer or final finish
- 4.5 Lubricated parts must be protected against accidental contact with the user, the user's clothes or documents.
- 4.6 Finish: All exposed aluminum components must be anodized, painted or otherwise treated to prevent oxidation.
- 4.7 Safety: Fixed, movable or adjustable parts must be constructed so that they cannot unintentionally become loose, dislodged or cause personal injury