



THE CITY OF WINNIPEG

REQUEST FOR PROPOSAL

RFP NO. 458-2006

**SUPPLY AND INSTALLATION OF CONSOLE WORKSTATION FURNITURE FOR
THE CITY OF WINNIPEG EMERGENCY COMMUNICATIONS CENTRE @ 700
ASSINIBOINE PARK DRIVE**

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

- B1.1 SUPPLY AND INSTALLATION OF CONSOLE WORKSTATION FURNITURE FOR THE CITY OF WINNIPEG EMERGENCY COMMUNICATIONS CENTRE @ 700 ASSINIBOINE PARK DRIVE

B2. SUBMISSION DEADLINE

- B2.1 The Submission Deadline is 4:00 p.m. Winnipeg time, October 27, 2006.
- B2.2 Proposal Submissions determined by the Manager of Materials to have been received later than the Submission Deadline will not be accepted and will be returned upon request.
- B2.3 The Contract Administrator or the Manager of Materials may extend the Submission Deadline by issuing an addendum at any time prior to the time and date specified in B2.1.

B3. SITE INVESTIGATION

- B3.1 Further to GC.2.01, the Contract Administrator or an authorized representative will be available at the Site from 9:00 a.m. to 12:00 noon on October 11, 2006 to provide Bidders access to the Site.
- B3.2 The Bidder shall not be entitled to rely on any information or interpretation received at the Site investigation unless that information or interpretation is the Bidder's direct observation, or is provided by the Contract Administrator in writing.

B4. ENQUIRIES

- B4.1 All enquiries shall be directed to the Contract Administrator identified in D4.1.
- B4.2 If the Bidder finds errors, discrepancies or omissions in the Request for Proposal, or is unsure of the meaning or intent of any provision therein, the Bidder shall notify the Contract Administrator of the error, discrepancy or omission, or request a clarification as to the meaning or intent of the provision at least five (5) Business Days prior to the Submission Deadline.
- B4.3 Responses to enquiries which, in the sole judgment of the Contract Administrator, require a correction to or a clarification of the Request for Proposal will be provided by the Contract Administrator to all Bidders by issuing an addendum.
- B4.4 Responses to enquiries which, in the sole judgment of the Contract Administrator, do not require a correction to or a clarification of the Request for Proposal will be provided by the Contract Administrator only to the Bidder who made the enquiry.
- B4.5 The Bidder shall not be entitled to rely on any response or interpretation received pursuant to B3 unless that response or interpretation is provided by the Contract Administrator in writing.

B5. CONFIDENTIALITY

- B5.1 Information provided to a Bidder by the City or acquired by a Bidder by way of further enquiries or through investigation is confidential. Such information shall not be used or disclosed in any way without the prior written authorization of the Contract Administrator.
- B5.2 The Bidder shall not make any statement of fact or opinion regarding any aspect of the Request for Proposals to the media or any member of the public without the prior written authorization of the Contract Administrator.

B6. ADDENDA

- B6.1 The Contract Administrator may, at any time prior to the Submission deadline, issue addenda correcting errors, discrepancies or omissions in the Request for Proposal, or clarifying the meaning or intent of any provision therein.
- B6.2 The Contract Administrator will issue each addendum at least two (2) Business Days prior to the Submission Deadline, or provide at least two (2) Business Days by extending the Submission Deadline.
- B6.2.1 Addenda will be available on the Bid Opportunities page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.
- B6.2.2 The Bidder is responsible for ensuring that he has received all addenda and is advised to check the Materials Management Branch internet site for addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.
- B6.3 The Bidder shall acknowledge receipt of each addendum in Paragraph 8 of Form A: Proposal. Failure to acknowledge receipt of an addendum may render a Proposal non-responsive.

B7. SUBSTITUTES

- B7.1 The Work is based on the materials, equipment, methods and products specified in the Request for Proposal.
- B7.2 Substitutions shall not be allowed unless application has been made to and prior approval has been granted by the Contract Administrator in writing.
- B7.3 Requests for approval of a substitute will not be considered unless received in writing by the Contract Administrator at least seven (7) Business Days prior to the Submission Deadline.
- B7.4 The Bidder shall ensure that any and all requests for approval of a substitute:
- (a) provide sufficient information and details to enable the Contract Administrator to determine the acceptability of the material, equipment, method or product as either an approved equal or alternative;
 - (b) identify any and all changes required in the applicable Work, and all changes to any other Work, which would become necessary to accommodate the substitute;
 - (c) identify any anticipated cost or time savings that may be associated with the substitute;
 - (d) certify that, in the case of a request for approval as an approved equal, the substitute will fully perform the functions called for by the general design, be of equal or superior substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the Contract;
 - (e) certify that, in the case of a request for approval as an approved alternative, the substitute will adequately perform the functions called for by the general design, be similar in substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the Contract.
- B7.5 The Contract Administrator, after assessing the request for approval of a substitute, may in his sole discretion grant approval for the use of a substitute as an "approved equal" or as an "approved alternative", or may refuse to grant approval of the substitute.
- B7.6 The Contract Administrator will provide a response in writing, at least two (2) Business Days prior to the Submission Deadline, only to the Bidder who requested approval of the substitute.

- B7.6.1 The Bidder requesting and obtaining the approval of a substitute shall be entirely responsible for disseminating information regarding the approval to any person or persons he wishes to inform.
- B7.7 If the Contract Administrator approves a substitute as an “approved equal”, any Bidder may use the approved equal in place of the specified item.
- B7.8 If the Contract Administrator approves a substitute as an “approved alternative”, any Bidder bidding that approved alternative shall base his Total Bid Price upon the specified item but may also indicate an alternative price based upon the approved alternative. Such alternatives will be evaluated in accordance with B16.
- B7.9 No later claim by the Contractor for an addition to the price(s) because of any other changes in the Work necessitated by the use of an approved equal or an approved alternative will be considered.
- B7.10 Notwithstanding B7.2 to B7.9, deviations in accordance with Clause E3 of the SPECIFICATIONS shall be evaluated in accordance with B18.1(a).

B8. PROPOSAL SUBMISSION

- B8.1 The Proposal Submission consists of the following components:
- (a) Form A: Proposal;
 - (b) Form B: Prices;
 - (c) Company and Product Information, in accordance with B10.
 - (d) Information requested in the Detailed Specifications in accordance with E3.
- B8.2 All components of the Proposal Submission shall be fully completed or provided, and submitted by the Bidder no later than the Submission Deadline, with all required entries made clearly and completely in ink, to constitute a responsive Proposal.
- B8.3 The Proposal Submission shall be submitted enclosed and sealed in an envelope clearly marked with the RFP number and the Bidder's name and address.
- B8.3.1 Samples or other components of the Proposal Submission which cannot reasonably be enclosed in the envelope may be packaged separately, but shall be clearly marked with the RFP number, the Bidder's name and address, and an indication that the contents are part of the Bidder's Proposal Submission.
- B8.4 Proposal Submissions submitted by facsimile transmission (fax) or internet electronic mail (e-mail) will not be accepted.
- B8.5 Proposal Submissions shall be submitted to:
- The City of Winnipeg
Corporate Finance Department
Materials Management Branch
185 King Street, Main Floor
Winnipeg MB R3B 1J1

B9. PROPOSAL

- B9.1 The Bidder shall complete Form A: Proposal, making all required entries.
- B9.2 Paragraph 2 of Form A: Proposal shall be completed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in his own name, his name shall be inserted;

- (b) if the Bidder is a partnership, the full name of the partnership shall be inserted;
 - (c) if the Bidder is a corporation, the full name of the corporation shall be inserted;
 - (d) if the Bidder is carrying on business under a name other than his own, the business name and the name of every partner or corporation who is the owner of such business name shall be inserted.
- B9.2.1 If a Proposal is submitted jointly by two or more persons, each and all such persons shall identify themselves in accordance with B9.2.
- B9.3 In Paragraph 3 of Form A: Proposal, the Bidder shall identify a contact person who is authorized to represent the Bidder for purposes of the Proposal.
- B9.4 Paragraph 10 of Form A: Proposal shall be signed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in his own name, it shall be signed by the Bidder;
 - (b) if the Bidder is a partnership, it shall be signed by the partner or partners who have authority to sign for the partnership;
 - (c) if the Bidder is a corporation, it shall be signed by its duly authorized officer or officers and the corporate seal, if the corporation has one, should be affixed;
 - (d) if the Bidder is carrying on business under a name other than his own, it shall be signed by the registered owner of the business name, or by the registered owner's authorized officials if the owner is a partnership or a corporation.
- B9.4.1 The name and official capacity of all individuals signing Form A: Proposal shall be printed below such signatures.
- B9.4.2 All signatures shall be original and shall be witnessed except where a corporate seal has been affixed.
- B9.5 If a Proposal is submitted jointly by two or more persons, the word "Bidder" shall mean each and all such persons, and the undertakings, covenants and obligations of such joint Bidders in the Proposal Submission and the Contract, when awarded, shall be both joint and several.

B10. COMPANY AND PRODUCT INFORMATION

B10.1 All items in the Company and Product Information section must be answered, and shall be evaluated in accordance with B18.1(d). Failure to respond to all items will result in the rejection of the Response. Bidders shall give a reply where requested to do so.

B10.2 Corporate Profile – the Bidder shall describe the corporate overview of their proposed manufacturer and dealer, including the following information:

- (a) history of the organization, including ownership (if not publicly owned), years in business, number of employees, profiles and experience of the owner(s).
- (b) position in the marketplace.
- (c) manufacturing and distribution capability.
- (d) corporate philosophy and mission statement.
- (e) strategic alliances and affiliations.
- (f) parent company, if any or the name of subsidiaries, if any.
- (g) their environmental certification along with date and certificate number, such as ISO 14001 or an industry standard.
- (h) provide written proof that all equipment proposed conforms to Canadian Standards Association and all other applicable standards in Manitoba and Canada. All equipment shall be certified for use in the Province of Manitoba.
- (i) If the Bidder is a distributor or dealership, please detail your relationship with the manufacturer and the number of console projects that you have collaborated on. Detail number of installations completed. Detail estimated size, value and date of the three (3) most recent projects.

B10.3 References

The Bidder shall provide a minimum of three (3) references of similar size and scope to the one requested in this RFP, which shall include:

- (a) the reference company name, address, and phone number, as well as name and position of a contact person.
- (b) the length of agreement and the value of the contract.

B10.4 Product Offering

The Bidder shall include the following information:

- (a) Provide name of the manufacturer(s) of the proposed equipment.
- (b) Supply brochures, descriptive literature and other relevant specifications which describes the proposed equipment. This should include a comprehensive history of past, present and future research, development and innovations of the product line.
- (c) Describe warranty details regarding your proposed offer, including:
 - (i) warranties for the proposed products, including OEM.
 - (ii) guarantees regarding defects in both material and workmanship from the date of purchase.
 - (iii) replacement process if the product is found to be defective.
 - (iv) process for the return of defective items to your company.
- (d) Provide details of manufacturer's offer of continued long-term support and service of the equipment.
- (e) Detail date of introduction to the market for this product, and the length of time that this product has been available.

- (f) The Bidder shall detail exact physical space requirements for all elements of the system. The Bidder's proposal shall include a plan describing (in detail) the step-by-step procedure for installation of the system. The plan should outline any work that can be completed before the installation of the fixed equipment. The plan should also outline any preparation and any expected manpower requirement from the City for the installation of the system.
- (g) The Bidder shall provide details of their proposed cable management solution, pursuant to E3.6(m).
- (h) The Bidder should state alternatives for lower power consumption lighting such as compact fluorescent in their proposal, pursuant to E3.6(o).

B10.5 Services

The Bidder shall detail in their response:

- (a) their company's standards for providing service to the City of Winnipeg.
- (b) the training options their company will provide to the end user. Provide examples of instructions, diagrams and illustrations.
- (c) response targets and escalation procedures provided.
- (d) if there is a dedicated representative(s) to the City Of Winnipeg account for this project.

B10.6 Computerized Adjustment Software:

- (a) Dispatchers/Calltakers should be able to login at any workstation and have the workstation furniture automatically adjust to their personal ergonomic settings.
- (b) Software should be compatible with Windows XP in a network environment. The software should record the use of the workstation by each individual dispatcher/calltaker and create a log of this usage in a database. The database should allow for reports on usage by the Dispatchers/Calltakers indicating their workstation usage and whether they have used the workstations ergonomically correct. The Bidder shall provide details of their proposed solution.
- (c) Software database should not have a limit on the number of Dispatchers/Calltakers that can be placed in the database. The Bidder shall provide details of their proposed solution.

B10.7 Additional 5 Year Extended warranty

The Bidder shall provide details regarding additional warranty available:

- (a) The additional 5 year extended warranty shall begin at the end of the 3 year warranty.
- (b) Notwithstanding D15, costs associated with extended warranty and maintenance programs for an additional 5 year period.
- (c) Support and maintenance information, including whether local or not.

B10.8 Environmental controls:

The Bidder shall provide details of its proposed environmental controls:

- (a) Desktop Airflow should be operator adjustable from no airflow to maximum airflow. Fans used for airflow should be designed with motors which have a minimal noise level.
- (b) Workstation Heating should be a forced heating solution with a minimum 500W thermostatically controlled capacity.
- (c) Air Filtration should be a replaceable/re-usable filter cartridge type that can be easily serviced for maintenance and replacement.
- (d) User Control: should be located to ensure that adjustment of the environmental controls can be made by the operator, without moving out of a proper ergonomic working position.

B11. PRICES

- B11.1 The Bidder shall state a price in Canadian funds for items 1, 2, 3, 5 and 6 of the Work identified on Form B: Prices. The Bidder may state a price for item 4.

- B11.1.1 Prices on Form B: Prices shall include:
- (a) duty;
 - (b) freight and cartage;
 - (c) Provincial and Federal taxes [except the Goods and Services Tax (GST) and Manitoba Retail Sales Tax (MRST, also known as PST), which shall be extra where applicable] and all charges governmental or otherwise paid;
 - (d) profit and all compensation which shall be due to the Contractor for the Work and all risks and contingencies connected therewith.
- B11.2 The quantities listed on Form B: Prices are to be considered approximate only. The City will use said quantities for the purpose of comparing Proposals.
- B11.3 The quantities for which payment will be made to the Contractor are to be determined by the Work actually performed and completed by the Contractor, to be measured as specified in the applicable Specifications.

B12. QUALIFICATION

- B12.1 The Bidder shall:
- (a) undertake to be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Bidder does not carry on business in Manitoba, in the jurisdiction where the Bidder does carry on business;
 - (b) be responsible and not be suspended, debarred or in default of any obligation to the City;
 - (c) be financially capable of carrying out the terms of the Contract;
 - (d) have all the necessary experience, capital, organization, and equipment to perform the Work in strict accordance with the terms and provisions of the Contract;
 - (e) have successfully carried out work, similar in nature, scope and value to the Work;
 - (f) employ only Subcontractors who:
 - (i) are responsible and not suspended, debarred or in default of any obligation to the City (a list of suspended or debarred individuals and companies is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>); and
 - (ii) have successfully carried out work similar in nature, scope and value to the portion of the Work proposed to be subcontracted to them, and are fully capable of performing the Work required to be done in accordance with the terms of the Contract;
 - (g) have a written workplace safety and health program in accordance with The Workplace Safety and Health Act (Manitoba);
- B12.2 The Bidder shall be prepared to submit, within three (3) Business Days of a request by the Contract Administrator, proof satisfactory to the Contract Administrator of the qualifications of the Bidder and of any proposed Subcontractor.
- B12.3 The Bidder shall provide, on the request of the Contract Administrator, full access to any of the Bidder's equipment and facilities to confirm, to the Contract Administrator's satisfaction, that the Bidder's equipment and facilities are adequate to perform the Work.

B13. OPENING OF PROPOSALS AND RELEASE OF INFORMATION

- B13.1 Proposal Submissions will not be opened publicly.

B13.2 After award of Contract, the name(s) of the successful Bidder(s) and the Contract Amount(s) will be available on the Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.

B13.3 To the extent permitted, the City shall treat all Proposal Submissions as confidential, however the Bidder is advised that any information contained in any Proposal Submission may be released if required by City policy or procedures, by The Freedom of Information and Protection of Privacy Act (Manitoba), by other authorities having jurisdiction, or by law.

B14. IRREVOCABLE OFFER

B14.1 The Proposal(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 9 of Form A: Proposal.

B14.2 The acceptance by the City of any Proposal shall not release the Proposals of the other responsive Bidders and these Bidders shall be bound by their offers on such Work for the time period specified in Paragraph 9 of Form A: Proposal.

B15. WITHDRAWAL OF OFFERS

B15.1 A Bidder may withdraw his Proposal without penalty by giving written notice to the Manager of Materials at any time prior to the Submission Deadline.

B15.1.1 Notwithstanding GC.7.05(2), the time and date of receipt of any notice withdrawing a Proposal shall be the time and date of receipt as determined by the Manager of Materials.

B15.1.2 The City will assume that any one of the contact persons named in Paragraph 3 of Form A: Proposal or the Bidder's authorized representatives named in Paragraph 10 of Form A: Proposal, and only such person, has authority to give notice of withdrawal.

B15.1.3 If a Bidder gives notice of withdrawal prior to the Submission Deadline, the Manager of Materials shall:

- (a) retain the Proposal Submission until after the Submission Deadline has elapsed;
- (b) open the Proposal Submission to identify the contact person named in Paragraph 3 of Form A: Proposal and the Bidder's authorized representatives named in Paragraph 10 of Form A: Proposal; and
- (c) if the notice has been given by any one of the persons specified in B15.1.3(b), declare the Proposal withdrawn.

B15.2 A Bidder who withdraws his Proposal after the Submission Deadline but before his offer has been released or has lapsed as provided for in B14.2 shall be liable for such damages as are imposed upon the Bidder by law and subject to such sanctions as the Chief Administrative Officer considers appropriate in the circumstances. The City, in such event, shall be entitled to all rights and remedies available to it at law, including the right to retain the Bidder's bid security.

B16. INTERVIEWS

B16.1 The Contract Administrator may, in his sole discretion, interview Bidders during the evaluation process.

B17. NEGOTIATIONS

B17.1 The City reserves the right to negotiate details of the Contract with Bidders.

B17.2 Negotiations, if any, are intended to address administrative and technical details of the Contract. The Bidder is advised to present his best offer, not a starting position for negotiations, in his Proposal Submission; the City will not necessarily pursue negotiations with any Bidder.

B17.3 If, in the course of negotiations pursuant to B17.2 or otherwise, the Bidder amends or modifies a Proposal after the Submission Deadline, the City may consider any amended Proposal as an alternative to the Proposal as originally submitted without releasing the Bidder from the Proposal as originally submitted.

B18. EVALUATION OF PROPOSALS

B18.1 Award of the Contract shall be based on the following evaluation criteria:

- (a) compliance by the Bidder with the requirements of the Request for Proposal, and degree of compliance with specifications or acceptable deviation therefrom, (pass/fail);
- (b) qualifications of the Bidder and the Subcontractors, if any, pursuant to B12, (pass/fail);
- (c) Total Bid Price, 40 pts;
- (d) Company and Product Information, in accordance with B10, (pass/fail);
 - (i) Corporate Profile, in accordance with B10.2, 15 pts;
 - (ii) References, in accordance with B10.3, 2.5 pts;
 - (iii) Product Offering, in accordance with B10.4, 20 pts;
 - (iv) Services, in accordance with B10.5, 10 pts;
 - (v) Computerized Adjustment Software, in accordance with B10.6 5pts;
 - (vi) Additional 5 Year Extended Warranty, in accordance with B10.7 5pts;
 - (vii) Environmental Controls, in accordance with B10.8 2.5pts;
- (e) economic analysis of any approved alternative pursuant to B7.

B18.2 Further to B18.1(a), the Award Authority may reject a Proposal as being non-responsive if the Proposal Submission is incomplete, obscure or conditional, or contains additions, deletions, alterations or other irregularities. The Award Authority may reject all or any part of any Proposal, or waive technical requirements if the interests of the City so require.

B18.3 Further to B18.1(b), the Award Authority shall reject any Proposal submitted by a Bidder who does not demonstrate, in his Proposal Submission, in other information required to be submitted, during interviews or in the course of reference checks, that he is responsible and qualified.

B18.4 Further to B18.1(c), the Total Bid Price shall be the sum of the quantities multiplied by the unit prices for items 1, 2, 3, 5 and 6, shown on Form B: Prices, adjusted if necessary as follows:

- (a) if the lowest evaluated responsive Bid submitted by responsible and qualified Bidder(s) is within the budgetary provision for the Work, no adjustment will be made to the price bid; or
- (b) if the lowest evaluated responsive Bid submitted by responsible and qualified Bidder(s) exceeds the budgetary provision for the Work, prices of all responsive Bids submitted by responsible and qualified Bidders will be adjusted by deducting item no. 4, then Item no. 5, then Item no. 6 of Form B: Prices.

B18.5 This Contract will be awarded as a whole.

B19. AWARD OF CONTRACT

B19.1 The City will give notice of the award of the Contract or will give notice that no award will be made.

B19.2 The City will have no obligation to award a Contract to a Bidder, even though one or all of the Bidders are determined to be responsible and qualified, and the Proposals are determined to be responsive.

B19.2.1 Without limiting the generality of B19.2, the City will have no obligation to award a Contract where:

- (a) the prices exceed the available City funds for the Work;
- (b) the prices are materially in excess of the prices received for similar work in the past;
- (c) the prices are materially in excess of the City's cost to perform the Work, or a significant portion thereof, with its own forces;
- (d) only one Proposal is received; or
- (e) in the judgment of the Award Authority, the interests of the City would best be served by not awarding a Contract.

B19.3 Where an award of Contract is made by the City, the award shall be made to the responsible and qualified Bidder submitting the most advantageous offer.

B19.3.1 Following the award of contract, a Bidder will be provided with information related to the evaluation of his Proposal upon written request to the Contract Administrator.

B19.4 Notwithstanding GC.3.01 and GC.3.02, the City will issue a purchase order to the successful Bidder in lieu of the execution of a Contract.

B19.5 The Contract Documents, as defined in GC.1.01(7), in their entirety shall be deemed to be incorporated in and to form a part of the purchase order notwithstanding that they are not necessarily attached to or accompany said purchase order.

PART C - GENERAL CONDITIONS

C1. GENERAL CONDITIONS

C1.1 The *General Conditions for the Supply and Delivery of Goods* (Form 21: 88 03) are applicable to the Work of the Contract.

C1.1.1 The *General Conditions for the Supply and Delivery of Goods* are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.

PART D - SUPPLEMENTAL CONDITIONS

GENERAL

D1. GENERAL CONDITIONS

- D1.1 In addition to the *General Conditions for the Supply and Delivery of Goods*, these Supplemental Conditions are applicable to the Work of the Contract.
- D1.2 The General Conditions are amended by striking out "The City of Winnipeg Act" wherever it appears in the General Conditions and substituting "The City of Winnipeg Charter".
- D1.3 The General Conditions are amended by striking out "Board of Commissioners" or "Commissioner" wherever it appears in the General Conditions and substituting the "Chief Administrative Officer".
- D1.4 The General Conditions are amended by striking out "Tender Package" wherever it appears in the General Conditions and substituting "Request for Proposal".
- D1.5 The General Conditions are amended by striking out "Tender Submission" wherever it appears in the General Conditions and substituting "Proposal Submission".
- D1.6 The General Conditions are amended by striking out "Bidding Instructions" wherever it appears in the General Conditions and substituting "Bidding Procedures".
- D1.1 In addition to the *General Conditions*, these Supplemental Conditions are applicable to the Work of the Contract.

D2. SCOPE OF WORK

- D2.1 The Work to be done under the Contract shall consist of the Supply and Installation of Console Workstation Furniture for the City of Winnipeg Emergency Communications Centre @ 700 Assiniboine Park Drive.
- D2.1.1 The Contractor shall be responsible for the installation and successful set-up of the Console Workstation Furniture.
- D2.2 The Contractor shall supply post-installation documentation in both a paper format and electronically as AutoCAD or equivalent vector files (dxf or dwg format).

D3. DEFINITIONS

- D3.1 When used in this Request for Proposal:
- (a) "**Business Day**" means any Calendar Day, other than a Saturday, Sunday, or a Statutory or Civic Holiday;
 - (b) "**may**" indicates an allowable action or feature which will not be evaluated;
 - (c) "**must**" or "**shall**" indicates a mandatory requirement which will be evaluated on a pass/fail basis;
 - (d) "**should**" indicates a desirable action or feature which will be evaluated on a relative scale;
 - (e) "**Submission Deadline**" and "**Time and Date Set for the Final Receipt of Bids**" mean the time and date set out in the Bidding Procedures for final receipt of Proposals;

D4. CONTRACT ADMINISTRATOR

- D4.1 The Contract Administrator is:
Dennis Dane
Communications Systems Coordinator

Winnipeg Police Service

Telephone No. (204) 803-3340

Facsimile No. (204) 986-7919

D5. NOTICES

D5.1 GC.7.05 is hereby amended to delete reference to "registered mail" and to replace same with "ordinary mail".

D5.2 GC.7.05 is further amended hereby to include delivery by facsimile transmission (fax) as an acceptable means of delivering notices, consents, approvals, statements, authorizations, documents or other communications required or permitted to be given under this Contract. Deliveries by fax will be deemed to have been received on the day of delivery, if a business day, or if not a business day, on the business day next following the day of delivery.

D5.3 Further to GC.7.05, all notices, consents, approvals, statements, authorizations, documents or other communications to the City, except as expressly otherwise required in D5.4, D5.5 or elsewhere in the Contract, shall be sent to the attention of the Contract Administrator at the address or facsimile number identified in D4.1.

D5.4 All notices of appeal to the Chief Administrative Officer shall be sent to the attention of the Chief Financial Officer at the following address or facsimile number:

The City of Winnipeg
Chief Administrative Officer Secretariat
Administration Building, 3rd Floor
510 Main Street
Winnipeg MB R3B 1B9
Facsimile No.: (204) 949-1174

D5.5 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications required to be submitted or returned to the City Solicitor shall be sent to the following address or facsimile number:

The City of Winnipeg
Corporate Services Department
Legal Services Division
185 King Street, 3rd Floor
Winnipeg MB R3B 1J1
Facsimile No.: (204) 947-9155

D6. CONFIDENTIALITY AND OWNERSHIP OF INFORMATION

D6.1 Information provided to the Contractor by the City or acquired by the Contractor during the course of the Work is confidential. Such information shall not be used or disclosed in any way without the prior written authorization of the Contract Administrator.

D6.2 The Contract, all deliverables produced or developed, and information provided to or acquired by the Contractor are the property of the City. The Contractor shall not disclose or appropriate to its own use, or to the use of any third party, all or any part thereof without the prior written consent of the Contract Administrator.

D6.3 The Contractor shall not make any statement of fact or opinion regarding any aspect of the Contract to the media or any member of the public without the prior written authorization of the Contract Administrator.

SUBMISSIONS

D7. AUTHORITY TO CARRY ON BUSINESS

D7.1 The Contractor shall be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Contractor does not carry on business in Manitoba, in the jurisdiction where the Contractor does carry on business, throughout the term of the Contract, and shall provide the Contract Administrator with evidence thereof upon request.

D8. WORKERS COMPENSATION

D8.1 The Contractor shall be registered with the Workers Compensation Board of Manitoba, shall provide and maintain Workers Compensation coverage throughout the term of the Contract, and shall provide the Contract Administrator with evidence thereof upon request.

D9. INSURANCE

D9.1 The Contractor shall provide and maintain the following insurance coverage:

- (a) commercial general liability insurance, in the amount of at least two million dollars (\$2,000,000.00) all inclusive, with The City of Winnipeg being added as an additional insured, with a cross-liability clause, such liability policy to also contain a contractual liability, an unlicensed motor vehicle liability and a products and completed operations endorsement to remain in place at all times during the performance of the Work and throughout the warranty period;

D9.2 Deductibles shall be borne by the Contractor.

D9.3 The Contractor shall provide the Contract Administrator with a certificate of insurance of each policy at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in GC.3.01 for the return of the executed Contract.

D9.4 The Contractor shall not cancel, materially alter, or cause each policy to lapse without providing at least fifteen (15) Calendar Days prior written notice to the Contract Administrator.

D10. SECURITY CLEARANCE

D10.1 Each individual proposed to perform Work under the Contract shall be required to obtain a Criminal Record Search Certificate from the police service having jurisdiction at his place of residence.

- (a) For Bidders whose place of residence is Winnipeg, Information regarding the Security Clearance Form may be obtained from:
http://winnipeg.ca/police/BPR/info_request.stm#crim_record_search

D10.2 Prior to the commencement of any Work, and during the term of the Contract if additional or replacement individuals are proposed to perform Work, the Contractor shall supply the Contract Administrator with a Criminal Record Search Certificate obtained not earlier than one (1) year prior to the Submission Deadline, or a certified true copy thereof, for each individual proposed to perform Work.

D10.3 Any individual for whom a Criminal Record Search Certificate is not provided, or for whom a Criminal Record Search Certificate indicates any convictions or pending charges related to property offences or crimes against another person, will not be permitted to perform any Work.

D10.4 Any Criminal Record Search Certificate obtained thereby will be deemed valid for the duration of the Contract subject to a repeated records search as hereinafter specified.

- D10.5 Notwithstanding the foregoing, at any time during the term of the Contract, the City may, at its sole discretion and acting reasonably, require an updated criminal records search. Any individual who fails to provide a satisfactory Criminal Record Search Certificate as a result of a repeated criminal records search will not be permitted to continue to perform any Work.

SCHEDULE OF WORK

D11. COMMENCEMENT

- D11.1 The Contractor shall not commence any Work until he is in receipt of a Purchase Order from the Award Authority authorizing the commencement of the Work.
- D11.2 The Contractor shall not commence any Work on the Site until:
- (a) the Contract Administrator has confirmed receipt and approval of:
 - (i) evidence that the Contractor is in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba;
 - (ii) evidence of the workers compensation coverage specified in D8;
 - (iii) evidence of the insurance specified in D9;
 - (iv) the security clearances specified in D10.
 - (b) the Contractor has attended a meeting with the Contract Administrator, or the Contract Administrator has waived the requirement for a meeting.
- D11.3 The Contractor shall commence the Work on the Site within seven (7) Calendar Days of receipt of the Purchase Order.

D12. TOTAL PERFORMANCE

- D12.1 The Contractor shall achieve Total Performance by February 9, 2007.
- D12.2 When the Contractor or the Contract Administrator considers the Work to be totally performed, the Contractor shall arrange, attend and assist in the inspection of the Work with the Contract Administrator for purposes of verifying Total Performance. Any defects or deficiencies in the Work noted during that inspection shall be remedied by the Contractor at the earliest possible instance and the Contract Administrator notified so that the Work can be reinspected.
- D12.3 The date on which the Work has been certified by the Contract Administrator as being totally performed to the requirements of the Contract through the issue of a certificate of Total Performance is the date on which Total Performance has been achieved.

D13. LIQUIDATED DAMAGES

- D13.1 If the Contractor fails to achieve Total Performance in accordance with the Contract by the day fixed herein for Total Performance, the Contractor shall pay the City seven hundred and fifty dollars (\$750.00) per Calendar Day for each and every Calendar Day following the day fixed herein for Total Performance during which such failure continues.
- D13.2 The amount specified for liquidated damages in D13.1 is based on a genuine pre-estimate of the City's losses in the event that the Contractor does not achieve Total Performance by the day fixed herein for same.
- D13.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

MEASUREMENT AND PAYMENT

D14. INVOICES

D14.1 The Work is for the Fire Paramedic Service and the Police Service Departments.

D14.2 The Contractor shall separate the Work into 2 invoices as follows:

(a) Winnipeg Police Service:

- (i) Call taker 14 ea
- (ii) Dispatch 4 ea
- (iii) Supervisor 2 ea
- (iv) Computerized Adjustment Software (per each)
- (v) 5 year Extended Warranty (per each)
- (vi) Environmental Controls (per each)

(b) Fire Paramedic Service:

- (i) Call taker 5 ea
- (ii) Dispatch 4 ea
- (iii) Computerized Adjustment Software (per each)
- (iv) 5 year Extended Warranty (per each)
- (v) Environmental Controls (per each)

D14.3 Further to GC.9.01 and GC.9.03, payment shall be in Canadian funds net thirty (30) Calendar Days after receipt and approval of the Contractor's invoice.

D14.4 Invoices must clearly indicate, as a minimum:

- (a) the City's Purchase Order number;
- (b) date of delivery;
- (c) delivery address;
- (d) Item number from Form B: Prices,
- (e) type and quantity of goods delivered;
- (f) the amount payable with GST and MRST shown as separate amounts; and
- (g) the Contractor's GST registration number.

D14.5 The City will bear no responsibility for delays in approval of invoices which are improperly submitted.

D15. WARRANTY

D15.1 Notwithstanding GC.10.01, the warranty period shall begin on the date of Total Performance and shall expire three (3) years thereafter unless extended it shall expire when provided for thereunder.

D15.2 Further to D15.1, warranty shall cover the cost of parts, labour, and shipping, FOB Destination, freight prepaid.

- (a) The Bidder shall provide for a phone response within 12 hours (central time) of a call being placed;
- (b) On-site support for maintenance and warranty within 24 hours of a call being placed;
- (c) Resolve warranty and/or maintenance issue within 48 hours of attending.

D15.3 The Contractor shall provide contact persons and phone numbers for warranty and maintenance support needs.

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

- E1.1 These Specifications shall apply to the Work.
- E1.2 Requests for Substitutes as an approved equal or an approved alternative shall be made in accordance with B7.
- E1.3 Ergonomics - all product must meet the current standards of BSR/HFES 100.
- E1.4 Appendix A is provided as INFORMATION ONLY.
- E1.5 Appendix B is provided as INFORMATION ONLY.
- E1.6 The following Drawings are applicable to the Work:

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
A-4R	POLICE/FIRE/PARAMEDIC/CIT ALT COMMUNICATION CENTRES

E2. GOODS

- E2.1 The Contractor shall design, Supply, and Install Dispatch, Supervisor and Call taker Console-Workstation Furniture with the requirements hereinafter specified.
- E2.2 Documentation
- The Bidder shall provide with the response, a block diagram illustrating their proposed solution. This diagram must clearly illustrate the major system components, the interconnections between systems, and all necessary interfaces required to support the installation.
 - The Bidder shall supply documentation showing all wiring installed for the installation of the console system. Diagrams will include connector pin outs identification, conductor colour codes and cable identification.

E3. DETAILED SPECIFICATIONS

All items in the Detailed Specifications shall be answered indicating compliance or non-compliance. **Bidders shall state "yes" for compliance or state deviation**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed.

- E3.1 The workstation furniture shall be designed to withstand the rigors of a 7/24 communications environment with a life cycle minimum performance of 10 years.
- E3.2 All cables installed shall be uniquely numbered and have identification at both ends.

CONSOLE WORKSTATION

- E3.3 Ergonomics/End User Specifications - The workstation shall:
- allow free movement across console, to conduct tasks at all work surfaces.
 - provide leg clearance on the underside of the work surface for vertical, horizontal and lateral movement.
 - not have sharp edges or corners on work surfaces and their supporting framework.
 - provide space to allow for placement of Keyboard and mouse adjacent to each other and at the same height.

- (e) allow for ease of adjustability.
- (f) permit adjustment of the work surface that is both stable and safe when workstation is loaded and used with intended work items.
- (g) ensure that workstation feet or legs do not impede chair movement across the workstation or user's leg positioning.
- (h) allow for input surface adjustment range of the workstations, and shall be capable of adjustment from a 5th percentile person (5 ft) in the sitting position to a 95 Percentile person (6' 2") in the standing position.
- (i) provide input and monitor surfaces large enough to consider work zone principles for layout of equipment.
- (j) have no gaps between sections of modular work surfaces.
- (k) provide digital indication of Ergonomic Adjustments.
- (l) not require any special training or special tools before adjustments can be made.
- (m) have documentation providing details regarding how workstation(s) meets ergonomic requirements for a range of Users.

E3.4 Console Surfaces shall:

- (a) The Console design shall have bi-level independently adjustable surfaces for monitors and input devices.
- (b) have Independent mechanisms for movement of monitor and input surfaces.
- (c) be minimum height adjustable range 560 mm to 1180 mm in 25 mm increments. Monitor surface shall be able to maintain -15 to 20 degree viewing angle throughout the adjustment range.
- (d) be minimum depth of work surfaces is capable of supporting computer monitors at a viewing distance between 500 and 1000 mm.
- (e) have an Input device surface, continuous for the entire length of the workstation. The input surface shall accommodate two keyboards and two mice and allow room for note taking. Accommodations shall be made to allow for plugging in input devices on either side of the keyboards, left or right allowing for quick disconnect and replacement of input devices. Input surface shall provide enough space to support the wrists and lower arms while keyboarding and mousing. The input surface shall be capable of supporting a technician working on the surface for monitor maintenance. The Bidder shall state the weight capacity for the surface.
- (f) have the sit-to-stand workstation furniture designed as a corner configuration (cockpit design) at or approximating a 90 degree angle.
- (g) be matt and non-reflective finish on console surfaces, in accordance with E3.11.
- (h) have no sharp edges or corners on work surfaces.
- (i) be minimum radius on edges and corners should be 3 mm.
- (j) have edging on work surfaces is securely attached.
- (k) have cable management provision for left and right-handed mouse users.
- (l) have cable management to encapsulate cables and wires so not to inhibit leg movement of the user or movement of the work surface through all height adjustments.
- (m) have no gaps between sections of work surfaces.

E3.5 Console Legs/Frames:

- (a) Feet of legs shall not impede chair movement across the workstation or user's leg positioning.
- (b) Minimum depth at knee shall be 457 mm.
- (c) Adjustment shall be stable and safe when workstation is loaded and used with intended work items.

E3.6 Construction:

- (a) Support framing shall be metal. Bidder shall identify material, gauge and quality.
- (b) Framing shall be grounded. The Bidder shall state method for grounding.
- (c) Work surfaces shall be highly durable. Bidder shall state materials employed, including thickness.
- (d) Edging shall be non-chipping durable material. Bidder shall state material employed.
- (e) Frame surface coating shall be highly durable. Bidder shall state finish technique and thickness.
- (f) Enclosure panels shall be covered with a durable sound deadening material which will allow air movement. Bidder shall state material employed. Panels shall be easily removed for cleaning purposes.
- (g) Workstations shall be self-supporting/modular and not panel-hung.
- (h) Lifting mechanism shall be electrically powered and mounted so not to impede movement under the workstation. Bidder shall state power rating of mechanism.
- (i) Dispatch console workstation monitor deck shall be capable of easily lifting and supporting up to 6-20" LC Panel type monitors.
- (j) Supervisor console workstation monitor deck shall be capable of supporting up to 4-20" LC Panel type monitors.
- (k) Call Taker console workstation monitor deck shall be capable of easily lifting and supporting up to 3-20" LC Panel type monitors.
- (l) There shall be storage for multiple CPUs, with easy access to the front or rear of the CPU. Proper air movement is critical.
- (m) Cable management shall be integrated into the design to minimize cable flex and wear.
- (n) Workstation shall be capable of housing up to 10 data and 6 voice connections.
- (o) Task lighting shall provide continuous illumination to the work surface area with independent manual controlled dimming. Light source shall be capable of providing 25-35 foot candles of light to the work-surface area. Power consumption of the task lighting is a consideration.
- (p) Additional electrical (standard 110 v) and communications connections shall be provided for connection of optional equipment, i.e. electrical appliances, coaxial cable for audio / video display.
- (q) The lowest portion of the work surface shall permit under workstation personal or file storage with a safety clearance between the top of the storage unit and the underside of the lowest height attainable by the keyboard deck. Under workstation storage shall be provided with the workstation.
- (r) Console shall be a modular system to support full range of layouts, control room configuration, future expansion and reconfiguration.

E3.7 Electrical:

- (a) Power Requirements shall be - 115V AC, 60 Hz, CSA ULc approved. The Bidder shall state power requirements of their Workstation furniture for all options presented in their submission. Framing shall be grounded. The Bidder shall state their proposed method for grounding. Proposed grounding shall conform to CSA, ULc standards.
- (b) Workstation power cable shall have a L515-P Pass & Seymour plug to mate to the L515R receptacle mounted in the AF series raised floor box. (See Appendix B for Details).
- (c) The Communications Centre will be built on a raised floor with electrical and communication access coming from the recessed outlet box mounted at each console workstation. The Bidder shall provide details on where best to locate the recessed outlet box.

E3.8 Cable Management

- (a) Horizontal lay-in cable management channels shall be capable of managing cabling required on the input and monitor work surfaces to the vertical cable management channels. The cable channel shall be technically friendly and should eliminate the need for fishing of wires through closed channels or wall panel partitions.
- (b) The workstation shall be equipped with a flexible vertical cable management system to manage all electrical and communication cables to the CPU compartment from the monitor and input surface. The vertical channel must be lay-in type and comply with EIA/TIA bend radius standards for copper and fiber cabling. The channel must safely manage all cabling when console moves from a seated to a standing position eliminating wear and tear on connectors, wires and cables. The channel must be technically friendly and should eliminate the need for fishing of wires through closed channels or wall panel systems.
- (c) All wiring integration between adjustable surfaces, CPU cabinet and all associated hardware shall be secure and concealed to prevent accidental contact with wiring or accidental disconnection of equipment.
- (d) The monitor surface shall have a cable management system integrated to manage and protect the cabling of the Monitors.

E3.9 CPU Compartment Construction

- (a) The furniture console shall be constructed with one CPU compartment, The CPU compartment must accommodate up to three CPUs and contain a CPU slide out shelf to provide easy access to the CPU's. Shelf shall slide out to allow easy access to the back of the CPU's. A front access door with adequate ventilation for the CPU's. To minimize floor space requirements for the console furniture the CPU compartment should be integral to the console and should be secured to the base structure. The Bidder shall provide details on technical lighting within CPU compartments.
- (b) Power to CPU compartment shall come from the raised floor box located in the raised floor at each location. Separate power distribution in the CPU compartment shall be provided to split loads between Building UPS A and Building UPS B. The Bidder shall provide details on their power distribution solution.
- (c) Dispatch and Supervisor Workstations CPU compartments shall be able to house a Powerware model PW9125-1500 UPS complete with extra battery module. Weight of UPS is approximately 50 pounds and dimensions are approximately 17inches H x 3.5 inches W x 19.5 inches D the extra battery module's approximate weight is 57 lbs and approximate dimensions of 11 inches H x 7 inches W x 18 inches D.

E3.10 Power distribution within all the workstation shall have three separate power feeds:

- (a) One- 120 V AC, 15 Amp circuit - Building/generator power shall be used for Ergonomic height adjustment, task lighting and optional Personal climate controls. This power feed shall have a 15 amp circuit breaker (or overload) with a 15 amp disconnect switch. Shall be CSA and/or ULc approved.

- (b) One - 120V AC, 15 Amp circuit from UPS A - six outlet with 15 amp circuit breaker (or overload) with a 15 amp disconnect switch. (Located in the CPU compartment), and shall be CSA and/or Ulc approved.
- (c) One - 120V AC, 15 Amp circuit from UPS B - six outlet with 15 amp circuit breaker (or overload) with a 15 amp disconnect switch. (Located in the CPU compartment), and shall be CSA and/or Ulc approved.

E3.11 Console Workstation Colours

The Bidder shall include details of their proposed colour scheme and provide details of options that may be chosen. The furniture console colouring shall compliment the colours chosen by the architect for the design of the room. The colours chosen for the communication centres at 700 Assiniboine are:

- (a) Wall finishes:
 - Paint
 - Manufacturer: ICI
 - Colour: 833 Grey Birch
 - Number: MP# 60YY 51/101
- (b) Vinyl Wallcovering
 - Manufacturer: Colour & Design
 - Style: Terrazzo
 - Colour: Cement
 - Number: CD2-TER-14
- (c) Accent Wood:
 - Doors, Window sills, etc.
 - Wood grain to match...
 - Manufacturer: Wilsonart Laminate
 - Colour: Fusion Maple
 - Number: 7909-60

E4. DELIVERY

- E4.1 Goods shall be delivered FOB destination, freight prepaid to 700 Assiniboine Park Drive, Winnipeg, MB. Access shall be from doors located at North side of Building.
- E4.2 Delivery shall be deemed to be complete when all furniture has been delivered.
- E4.3 Delivery shall be restricted to City of Winnipeg business days, Monday to Friday, between 9:00 a.m. – 3:00 p.m.
- E4.4 The Contractor shall notify the Contract Administrator **at least 24 hours** prior to delivery and/or installation.
- E4.5 The Contractor shall outline a key plan area and section number for each workstation. The Contractor shall be clearly identify each package with its corresponding key plan area and section number.
- E4.6 The Contractor shall be solely responsible for off-loading of the goods, as directed at the delivery location.
- E4.7 The Contractor shall ensure he has the necessary equipment to move the Goods from any access ramp, or loading area to its required destination.

APPENDIX A - FOR INFORMATION ONLY

The Console Workstation furniture shall be designed to accept the following work-related equipment:

i.) Call Taker Position (Items listed below are per position unless otherwise noted)

- CAD CPU
- Monitors X 2
- CML Headset Line Interface Module (Dimensions 10" x 12")
- Headset Amplifier – Plantronics M-12
- 1- Keyboard
- 1- Mouse
- Telephone set - (NT4X36)
- Audio Recording Playback device (similar to Eventide Instant Recall Recorder Dir911)
- Scratch pad
- Reference binder(s)

ii.) Dispatcher Position (Items listed below are per position unless otherwise noted)

- CAD/RMS CPU
- On the Air Lamp
- Monitors X 5 (20")
- Speakers
- Radio system CPU
- Radio System CIE unit
- Radio System Monitor (20")
- Keyboard X 2
- Mouse X 2
- Telephone set - (NT4X36)
- Audio Recording Playback device (similar to Eventide Instant Recall Recorder Dir911)
- Scratch pad
- Reference binder(s)
- UPS 1.5 kVA
- Backup radio similar to Mobile MCS 2000 with desk-tray.
-

iii.) Supervisor Position (Items listed below are per position unless otherwise noted)

- CAD/RMS CPU
- On The Air Lamp
- Monitors X 4 (20")
- Speakers
- Radio system CPU
- Radio System CIE unit
- Radio System Monitor (20")
- Keyboard X 2
- Mouse X 2
- Telephone set - (NT4X36 with two add on modules)
- 2-Audio Recording Playback device (similar to Eventide Instant Recall Recorder Dir911)
- Scratch pad
- Reference binder(s)
- CML Headset Line Interface Module (Dimensions 10" x 12")
- UPS 1.5 kVA
- 1- Laser Printer HP 2430 between the 2 supervisor positions
- 1- backup radio between the 2 supervisor positions – similar to Mobile MCS 2000 with desk-tray.

APPENDIX B - FOR INFORMATION ONLY

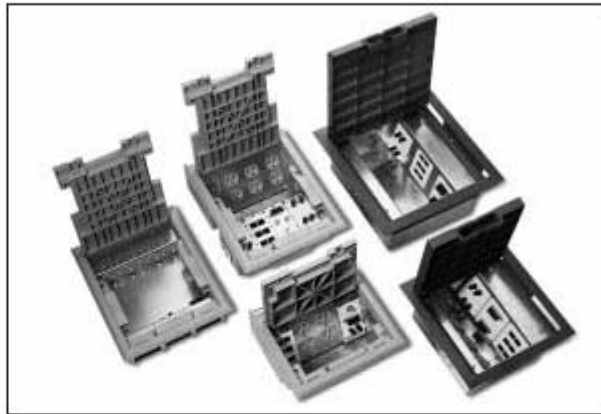


FloorSource™ Raised Floor Boxes

A Raised Floor Box for Every Application



The Walker FloorSource Series offers a large selection of raised floor boxes to meet most user's needs. FloorSource Raised Floor Boxes provide functionality, flexibility, accessibility, and capacity when it comes to raised floor box applications. They have many applications, some of which are PBX rooms, MIS processing rooms, university computer labs, and financial institutions. Walker provides four unique styles of boxes which allow the user a variety of combinations for power and communication. FloorSource Raised Floor Boxes are compatible with the Walkerflex® Manufactured Wiring System.



Walker FloorSource Series offer flexibility, accessibility, and capacity.

Features & Benefits

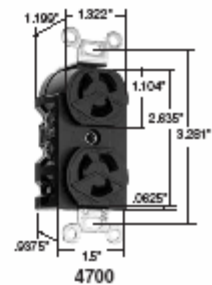
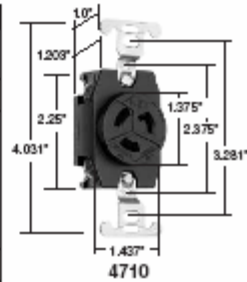
- **Locking tabs help secure box to floor panel.** This allows for quick and easy installation.
- **Units can be prewired for power.** Prewired units reduce labor costs for field installation.
- **Large multi-compartment boxes.** Provides adequate wiring capacity and easily isolates power and communication services.
- **Boxes have several different depth profiles.** These profiles allow the end-user to meet different raised floor depth requirements.
- **Flexible box designs.** Allow the end-user to configure services where they want and need them.
- **Datacom connectivity options.** Accepts industry standard and proprietary devices from a wide range of manufacturers to provide a seamless and aesthetically pleasing interface for voice, data, audio, and video applications at the point-of-use.
- **Listed by Underwriters Laboratories Inc.** to U.S. and Canadian safety standards.
- **Meets NEC Section 300-22(C).** The AC, AF and SAF Series are suitable for use in air handling spaces and raised floor plenums.

Turnlok® Locking Devices Receptacles, Connectors, Plugs, Inlets, Outlets 3 Wire Grounding 15A, 125V

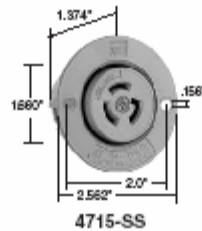


Catalog Number	Rating A. V.	Description/Color	Cord Diameter	NEMA Config. No.	3rd Party Compliance		
					UL406	FSUL WC696	CSA
Receptacles							
4710	15 125	Single Receptacle		L5-15R	•	•	•
IG4710	15 125	Single Receptacle, Orange		L5-15R	•	•	•
4700	15 125	Duplex Receptacle		L5-15R	•	•	•
IG4700	15 125	Duplex Receptacle, Orange		L5-15R	•	•	•
4792	15 125	Combination Straight Blade and Locking		5-15R and L5-15R	•		
Connectors IP20 Suitability							
L515-C	15 125	Black Back, White Front Body	.230"-.690"	L5-15R	•	•	•
CRL515-C	15 125	Corrosion Resistant Yellow Back, White Front Body	.230"-.690"	L5-15R	•	•	•
Plugs IP20 Suitability							
L515-P	15 125	Black Back, White Front Body	.230"-.690"	L5-15P	•	•	•
CRL515-P	15 125	Corrosion Resistant, Yellow Back, White Front Body	.230"-.690"	L5-15P	•	•	•
4720-SSAN	15 125	Angled Plug, Black Back, White Front Body	.230"-.655"	L5-15P	•	•	•
Flanged Inlets & Outlets							
4716-SS	15 125	Flanged Inlet		L5-15P	•	•	•
4715-SS	15 125	Flanged Outlet		L5-15R	•	•	•
Straight Blade/Locking Adapters							
44829	15 125	High-Visibility Yellow		L5-15R/5-15P			
44859	15 125	High-Visibility Yellow		5-15R/L5-15P			

Reference Pages H-31 and H-32 for Accessories.



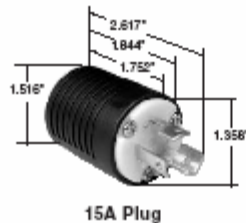
15A Connector



4715-SS



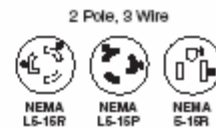
4792



15A Plug



4716-SS



All devices listed on this page conform to NEMA WD-1.

H-7

Turnlok® Locking Devices

Receptacles, Connectors, Plugs, Inlets, Outlets