

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St./ 11 rue, Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet PATIENT SIMULATORS	
Solicitation No. - N° de l'invitation W3931-130094/A	Date 2013-01-10
Client Reference No. - N° de référence du client W3931-130094	
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-940-61913	
File No. - N° de dossier pv940.W3931-130094	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-02-20	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Hooper, Marlyn	Buyer Id - Id de l'acheteur pv940
Telephone No. - N° de téléphone (819) 956-2702 ()	FAX No. - N° de FAX (819) 956-3814
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Scientific, Medical and Photographic Division / Division de
l'équipement scientifique, des produits photographiques et
pharmaceutiques
11 Laurier St./ 11 rue, Laurier
6B1, Place du Portage
Gatineau, Québec K1A 0S5

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION

1. Security Requirement
2. Requirement
3. Debriefings

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions
2. Submission of Bids
3. Enquiries - Bid Solicitation
4. Applicable Laws

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures
2. Basis of Selection
3. Security Requirement

PART 5 - CERTIFICATIONS

1. Mandatory Certifications Required Precedent to Contract Award
2. Additional Certifications Required with the Bid

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement
2. Requirement
3. Standard Clauses and Conditions
4. Term of Contract
5. Authorities
6. Payment
7. Invoicing Instructions
8. Certifications
9. Applicable Laws
10. Priority of Documents
11. SACC Manual Clauses
12. Shipping Instructions - Delivery at Destination

Solicitation No. - N° de l'invitation

W3931-130094/A

Client Ref. No. - N° de réf. du client

W3931-130094

Amd. No. - N° de la modif.

File No. - N° du dossier

pv940W3931-130094

Buyer ID - Id de l'acheteur

pv940

CCC No./N° CCC - FMS No/ N° VME

List of Annexes:

Annex A Requirement / Basis of Payment
Annex B Mandatory Specifications
Annex C Complete List of Directors

PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The requirement is detailed under "Annex A".

2.1 Optional Requirement

The Contractor grants to Canada the irrevocable option to purchase up to an additional twenty (20) units under the same terms and conditions and at the prices stated in the contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

3. Debriefings

After contract award, bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2012-11-19) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days
Insert: ninety (90) days

1.1 SACC Manual Clauses

B1000T

Condition of Material

2007-11-30

2. Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

4. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province of Ontario, Canada.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (two (2) copies)

Section II: Financial Bid (one (1) copy)

Section III: Certifications (one (1) copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

1.1 Section I: Technical Bid

The following applies to the Requirement and bidders must provide the following information in the bid where applicable:

1.1.1 Product(s) Offered

The Bidder must indicate the make and model number of the products offered (identify specific components which make up the system):

Name of Manufacturer: _____

Model/Part Number: _____

Literature attached: Yes (____) No (____)

1.1.2 Point of Manufacture/Shipping

The Bidder must state the point of manufacture/shipping of goods:

Location: _____

Postal Code: _____

1.1.3 Delivery

While delivery is requested by March 29, 2013 the best delivery that could be offered by the Bidder is _____.

1.1.4 Contacts

Bidders are requested to provide the following: Information pertaining to Article 5.3 Contractor Representatives under Part 6, Resulting Contract Clauses.

1.2 Section II: Financial Bid

The bidder must quote (a) firm unit prices (price) , DDP (Petawawa, Ontario), the Goods and Services Tax (GST) and/or the Harmonized Sales Tax (HST) extra, as applicable. Freight charges to destination and all applicable Customs duties and Excise taxes must be included.

A firm unit price must be filled in for each of the option periods. If the bidder fails to quote a firm unit price for each of the option periods, the bidder will be considered non-compliant and no further consideration will be given.

1.2.1 Exchange Rate Fluctuation

C3011T

Exchange Rate Fluctuation

2010-01-11

1.3 Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

1.1 Technical Evaluation

All proposals submitted must be completed in full and provide all of the information requested in the Request for Proposal (RFP) package to enable a full and complete evaluation. If the requirement is not addressed in the bidder's proposal, the proposal will be considered incomplete or non-responsive and will be rejected. The onus is on the bidder to provide all the information necessary to ensure a complete and accurate assessment.

Factors for Evaluation

1. **PRICING BASIS (MANDATORY):** Prices must be firm, DDP Delivered Duty Paid.

2. **ABILITY TO MEET THE TECHNICAL REQUIREMENT (MANDATORY):**

a) **For Items Defined by Specifications:**

The bidder is requested to cross reference the mandatory technical criteria contained herein to their supporting technical documentation.

b) **Provision of Supporting Technical Documentation:**

Supporting technical documentation for the stores offered must be provided with the bid at time of bid closing.

Technical brochures or technical data **MUST** be provided to verify compliancy to the technical mandatory specifications.

3. **COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS REQUEST FOR PROPOSAL (MANDATORY)**

4. **FOR CANADIAN SUPPLIERS ONLY:** Please note that the requirements of the Federal Contractors Program for Employment Equity may apply - see herein. (MANDATORY if applicable)

1.1.1 Mandatory Technical Criteria

See Annex B

1.2 Financial Evaluation

The lowest evaluated price will be established using the following criteria:

a) prices will be evaluated in Canadian Funds including any applicable Taxes and Canadian Customs Duty (if applicable) and excluding the Goods and Services Tax (GST) or Harmonized Sales Tax (HST). For evaluation purposes, bids received in a foreign currency will be converted to Canadian funds using the appropriate rate of exchange using the rate quoted by the Bank of Canada as being in effect on date of bid closing.

b) prices will be evaluated on a DDP Petawawa, Ontario

c) for bid evaluation purposes only, the total bid price will be determined by adding the cost for the firm quantity total with the cost for the optional estimated quantities.

2. Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest aggregate evaluated price (including the option items) will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and related documentation to be awarded a contract. Canada will declare a bid non-responsive if the required certifications and related documentation are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications, to provide the related documentation or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

- 1.1.1 By submitting a bid, the Bidder certifies, for himself and his affiliates, to be in compliance with the Code of Conduct and Certifications clause of the Standard instructions. The related documentation hereinafter mentioned will help Canada in confirming that the certifications are true. By submitting a bid, the Bidder certifies that it is aware, and that its affiliates are aware, that Canada may request additional information, certifications, consent forms and other evidentiary elements proving identity or eligibility. Canada may also verify the information provided by the Bidder, including the information relating to the acts or convictions specified herein, through independent research, use of any government resources or by contacting third parties. Canada will declare non-responsive any bid in respect of which the information requested is missing or inaccurate, or in respect of which the information contained in the certifications is found to be untrue, in any respect, by Canada. The Bidder and any of the Bidder's affiliates, will also be required to remain free and clear of any acts or convictions specified herein during the period of any contract arising from this bid solicitation.

Bidders who are incorporated, including those bidding as a joint venture, must provide with their bid or promptly thereafter a complete list of names of all individuals who are currently directors of the Bidder. Bidders bidding as sole proprietorship, including those bidding as a joint venture, must provide the name of the owner with their bid or promptly thereafter. Bidders bidding as societies, firms, partnerships or associations of persons do not need to provide lists of names. If the required

names have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply will render the bid non-responsive. Providing the required names is a mandatory requirement for contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form- PWGSC-TPSGC 229) (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>) for any or all individuals aforementioned within the time specified. Failure to provide such Consent Forms within the time period provided will result in the bid being declared non-responsive.

2. Additional Certifications Required with the Bid

Bidders must submit the following duly completed certifications with their bid.

2.1 Federal Contractors Program for Employment Equity - Certification

2.1.1 Federal Contractors Program - over \$25,000 and below \$200,000

Suppliers who are subject to the Federal Contractors Program (FCP) and have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive federal government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a) () is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, or temporary employees having worked 12 weeks or more in Canada;
- (b) () is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- (c) () is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC, having not bid on requirements of \$200,000 or more;

Solicitation No. - N° de l'invitation

W3931-130094/A

Amd. No. - N° de la modif.

File No. - N° du dossier

pv940W3931-130094

Buyer ID - Id de l'acheteur

pv940

CCC No./N° CCC - FMS No/ N° VME

W3931-130094

(d) () has not been declared an ineligible contractor by HRSDC, and has a valid certificate number as follows: _____.

Further information on the FCP is available on the HRSDC Web site:

[Http://www.hrsdc.gc.ca/eng/labour/equality/fcp/index.shtml](http://www.hrsdc.gc.ca/eng/labour/equality/fcp/index.shtml)

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

2.1 Requirement

The Contractor must provide the items detailed under Annex A.

2.2 Optional Requirement (use the same clause as included under Part 1 if applicable)

The Contractor grants to Canada the irrevocable option to purchase up to an additional twenty (20) units under the same terms and conditions and at the prices stated in the contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option within five (5) years after contract award by sending a written notice to the Contractor.

2.3 Manuals

One complete set of user documentation in English must be supplied.

3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2012-11-19) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4. Term of Contract

4.1 Delivery Date

All the deliverables must be received on or before _____ (to be filled in only at contract award).

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Marlyn Hooper
 Public Works and Government Services Canada
 Acquisitions Branch
 Commercial Consumer Products Directorate
 11 Laurier Street, 6A2, Phase III
 Place du Portage, Hull, Quebec, K1A 0S5
 Telephone: (819) 956-2702
 Facsimile: (819) 956-3814
 E-mail address: marlyn.hooper@pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

5.2 Technical Authority (to be filled in only at contract award)

The Technical Authority for the Contract is:

Name: _____
 Telephone: (____) _____
 Facsimile: (____) _____
 E-mail address: _____

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

5.3 DND Procurement Authority (to be filled in only at contract award)

The DND Procurement Authority for the Contract is:

Name: _____
 Telephone: (____) _____
 Facsimile: (____) _____
 E-mail address: _____

The DND Procurement Authority is responsible for the DND contract management and for the authorization of all work against this contract.

5.4 Contractor's Representative (**fill in**)

The telephone number of the person responsible for:

General enquiries

Name: _____

Telephone No. _____

Facsimile No. _____

E-mail address: _____

Delivery Follow-up

Name: _____

Telephone No. _____

Facsimile No. _____

E-mail address: _____

6. Payment

6.1 Basis of Payment - Firm Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit prices, as specified in Annex A for a cost of \$_____ (**to be filled in only at contract award**). Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.2 SACC Manual Clauses

H1000C	Single Payment	2008-05-12
H1001C	Multiple Payment	2008-05-12

7. Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - (a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
 - (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.
 - (c) one (1) copy must be forwarded to the consignee.

8. Certifications

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province of Ontario, Canada.

10. Priority of Documents

If there is a discrepancy between the wordings of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) 2010A (2012-11-16) General Conditions - Goods (Medium Complexity);
- (c) Annex A, Mandatory Specifications;
- (e) Annex B, Complete List of Directors;
- (f) the Contractor's bid dated (to be filled in at contract award) .

11. SACC Manual clause

B1501C

Electrical Equipment

2006-06-16

12. Shipping Instructions - Delivery at Destination

1. Goods must be consigned to the destination specified in the Contract and delivered:

Delivered Duty Paid (DDP) Petawawa, Ontario Incoterms 2000 for shipments from a commercial contractor.
2. The Contractor will be responsible for all delivery charges, administration, costs and risk of transport and customs clearance, including the payment of customs duties and taxes.

ANNEX A**REQUIREMENT / BASIS OF PAYMENT**

The Department of National Defence has a requirement for the supply of four (4) Patient Simulators in accordance with the mandatory specifications detailed at Annex B, with an option to purchase twenty (20) additional Patient Simulators for delivery to Petawawa, Ontario.

Description	Firm Qty	Firm unit price
Patient Simulators (in accordance with the mandatory specifications at Annex B)	4	\$_____

OPTIONAL QUANTITIES

Description	Firm Qty	Firm unit price
Patient Simulators (in accordance with the mandatory specifications at Annex B)	20	\$_____

ANNEX B

MANDATORY SPECIFICATIONS

PATIENT SIMULATORS

The Patient Simulators must have the following specifications

GENERAL CHARACTERISTICS

1.0 Must have 12-lead ECG with independent output for each signal referenced to right leg (RL).

Reference in Contractors Proposal: _____

1.1 Must be powered by batteries.

Reference in Contractors Proposal: _____

1.2 Must be able to simulate artifacts of 50 Hz and 60 Hz, muscle and respiration.

Reference in Contractors Proposal: _____

NORMAL-SINUS-RHYTHM WAVEFORM (NSR)

2.0 Rates: must have the minimum range of 30 to 300 BPM.

Reference in Contractors Proposal: _____

2.1 Amplitude: must have the minimum amplitude from 0.5 to 5 mV (lead II as reference)

Reference in Contractors Proposal: _____

2.2 Must be able to modify ST Segment Depression and Evaluation from - 0.8 mV to + 0.8 mV.

Reference in Contractors Proposal: _____

PACE MAKER WAVEFORM

3.0 Must able to simulate at least this waveforms: Asynchronous, Non-Capture, Non-Function, Demand with frequent sinus beat, Demand with occasional sinus beat and AV-Sequential.

Reference in Contractors Proposal: _____
ARRHYTHMIA

Must be able to stimulate at least the below waves.

4.0 Premature Atrial Contraction (PAC)

Reference in Contractors Proposal: _____

4.1 Premature Nodal Contraction (PNC)

Reference in Contractors Proposal: _____

4.2 Premature Ventricular Contraction (PVC)

Reference in Contractors Proposal: _____

4.3 Left Ventricular Focus

Reference in Contractors Proposal: _____

4.4 PVC+ Early + Left Ventricular

Reference in Contractors Proposal: _____

4.5 PVC+ Early + Right Ventricular

Reference in Contractors Proposal: _____

4.6 First-degree heart block

Reference in Contractors Proposal: _____

4.7 Second-degree heart block

Reference in Contractors Proposal: _____

4.8 Third-degree heart block

Reference in Contractors Proposal: _____

4.9 Right-bundle-branch block

Reference in Contractors Proposal: _____

4.10 Left-bundle-branch block

Reference in Contractors Proposal: _____
 4.11 Must able to trigger arrhythmia manually and automatically

Reference in Contractors Proposal: _____

AED TEST WAVEFORMS

Must be able to simulate the following waves

5.0 Atrial Fibrillation with course and fine adjustment

Reference in Contractors Proposal: _____

5.1 Ventricular Fibrillation with course and fine adjustment

Reference in Contractors Proposal: _____

5.2 Asystole with Flatline and random Baseline

Reference in Contractors Proposal: _____

5.3 Supraventricular Tachycardia

Reference in Contractors Proposal: _____

5.4 Ventricular and Supraventricular Tachycardia

Reference in Contractors Proposal: _____

ECG PERFORMING FUNTIONS

Must be able to simulate the below waves

6.0 Square wave: 0.125 and 2 Hz.

Reference in Contractors Proposal: _____

6.1 Amplitude: 0.5mV to 5mV (as minimum range)

Reference in Contractors Proposal: _____

6.2 Sine wave: 0.5 to 100 Hz (as minimum range)

Reference in Contractors Proposal: _____

6.3 Triangle wave: 2 Hz.

Reference in Contractors Proposal: _____

6.4 Capable of R-Wave detection

Reference in Contractors Proposal: _____

6.5 R-Wave rate: 30 to 250 BPM (as minimum range)

Reference in Contractors Proposal: _____

6.6 R-Wave width: 20 to 200 ms (as minimum range)

Reference in Contractors Proposal: _____

RESPIRATION

Must provide the following

7.0 Rate: 15 to 120 BrPM as minimum range

Reference in Contractors Proposal: _____

7.1 Apnea selection: 12, 22,32 seconds and continuous

Reference in Contractors Proposal: _____

7.2 Impedance variation (DW): 0.2 to 3 W ohms

Reference in Contractors Proposal: _____

7.3 Respiration Lead: Able to have reference LA (Left Arm) or LL (Left Leg)

Reference in Contractors Proposal: _____

7.4 Accuracy: (less or equal than) $\leq \pm 5\%$

Reference in Contractors Proposal: _____

BLOOD PRESSURE

Must provide the following

8.0 At least two (2) blood pressure channels

Reference in Contractors Proposal: _____

8.1 Static Pressure: from -10 to 240 mmHg

Reference in Contractors Proposal: _____

8.2 Impedance: In/Out 300 Ω ± 10% ohms

Reference in Contractors Proposal: _____

8.3 Transducer sensitivity: 5 μV/V/mmHg and 40 V/V/mmHg

Reference in Contractors Proposal: _____

8.4 Dynamic Blood Pressure synchronized with NSR and track arrhythmia selections.

Reference in Contractors Proposal: _____

8.5 Respiration Artifact: 0 to 10 mmHg (as minimum range)

Reference in Contractors Proposal: _____

TEMPERATURE

Must provide the following

9.0 At least one (1) temperature channel

Reference in Contractors Proposal: _____

9.1 Probe compatibility: Yellow Spring, Inc. (YSI) Series 400 and 700

Reference in Contractors Proposal: _____

9.2 Temperature: from 0 °C to 40 °C

Solicitation No. - N° de l'invitation

W3931-130094/A

Client Ref. No. - N° de réf. du client

W3931-130094

Amd. No. - N° de la modif.

File No. - N° du dossier

pv940W3931-130094

Buyer ID - Id de l'acheteur

pv940

CCC No./N° CCC - FMS No/ N° VME

Reference in Contractors Proposal: _____

ACCESSORIES

10.0 Must provide battery eliminator

Reference in Contractors Proposal: _____

10.1 Must provide carry case

Reference in Contractors Proposal: _____

Solicitation No. - N° de l'invitation

W3931-130094/A

Client Ref. No. - N° de réf. du client

W3931-130094

Amd. No. - N° de la modif.

File No. - N° du dossier

pv940W3931-130094

Buyer ID - Id de l'acheteur

pv940

CCC No./N° CCC - FMS No/ N° VME

ANNEX C

**COMPLETE LIST OF DIRECTORS
(As per Standard Instructions, Clauses and Conditions Part 2)**

Name

Position
