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**SOLICITATION AMENDMENT**  
**MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

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**Gatineau**  
**Québec**  
**K1A 0S5**

<b>Title - Sujet</b> COMPOSITE REPAIR HOT BOND SYSTEM	
<b>Solicitation No. - N° de l'invitation</b> W8485-126212/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> W8485-126212	<b>Date</b> 2012-10-18
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$BF-136-23156	
<b>File No. - N° de dossier</b> 136bf.W8485-126212	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2012-10-30</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Podlesny, Sebastian	<b>Buyer Id - Id de l'acheteur</b> 136bf
<b>Telephone No. - N° de téléphone</b> (819) 956-0082 ( )	<b>FAX No. - N° de FAX</b> (819) 956-9110
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

**Bidder Question:**

This enquiry refers to the SOW - Statement of Work and the section 3.0 Requirements, in ANNEX A of the above mentioned Bid Solicitation. The pre-determination of the technical requirements for this equipment, represent an older style of Hot Bonder System that was previously purchased by the DND, which may not meet with the true current and future requirements for Canada's Armed Forces. These pre-determinations are greatly restrictive on other Hot Bonder System designs, which may prevent the Canadian Forces from obtaining superior equipment.

A specific example from "3.4 SPECIFICATIONS" is as follows:

3.4.1.2 Power: (Voltage) Current: (Amperage):

- a. 90 to 264 Volts Alternating Current (AC), 47 to 63 Hertz (HZ) with Auto Switching;

At least one manufacturer's design of Hot Bonder system greatly exceeds this stated specification, by offering the ability to operate the Hot Bonder System on any input power frequency (Hertz) between 47 and 440 (HZ). This permits the operation of the equipment directly from an aircraft electrical power system without the need for a "suitable generator" as specified in 3.4.1.2, b.

As it is written, this Bid Solicitation may make it impossible for a Fair and Open Competition for all manufacturers and vendors of Hot Bonder Systems which may, by their own design, be far superior to the specifications as stated therein.

Can the requirements be reviewed to ensure fair and open bidding opportunity for all potential vendors of the required equipment?

**Answer:**

The current specifications are the result of presentations and demonstrations by multiple Hot Bond Repair manufacturers, matched to the requirements of DND in regards to the complexity of repairs on new airforce fleets.

For this example above, DND requires a wide variation in power, as DND operations range from base hangers, deployed operations in austere conditions (ie, dessert, forest) and operating on various ships. If a bidder states that they can provide a system that greatly exceeds the minimum, that is acceptable. The requirement for a suitable generator will still exist, as not every DND fleet has a 440 HZ power supply. From our market research, only one manufacturer has this design feature, thus a change to the Statement of Work would result in a sole source situation.

Upon review of specifications, no changes to the solicitation will made. It should be noted that DND requirements are the minimum specifications, and bidders that claim superior design that exceeds the stated specification are encouraged to submit a bid, so long as the minimum specifications are met. Bidders are requested to describe how they meet and exceed the requirement in these cases.

To provide additional time to address these responses, the solicitation period is extended to **October 30, 2012**.

**ANNEX A**  
**STATEMENT OF WORK**  
**FOR**  
**COMPOSITE REPAIR HOT BOND SYSTEM**

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## **1.0 SCOPE**

### **1.1 PURPOSE**

1.1.1 This Statement of Work (SOW) defines the requirements for the procurement of fifty-two (52) dual zone Composite Repair Hot Bond System conforming to the specifications described in this SOW, including initial cadre training and manuals. The Composite Repair Hot Bond System precisely applies, controls, and documents, heat and pressure required for composite repairs and adhesive bonding on Canadian Forces (CF) aircraft in accordance with C-12-010-062/TP-000 and C-12-010-040/TR-017. Utilizing flexible heat blankets and vacuum bagging, repair materials are cured and bonded to an affected area. The systems are to be user friendly, programmable and designed for precise control of elevated temperature and pressure over a designated period of time. The expected service life of these systems is minimum ten (10) years from contract award.

### **1.2 BACKGROUND**

#### **1.2.1 General**

1.2.1.1 The CF currently holds an inventory of thirty three (33) Hot Bonders which are utilized for the repair and fabrication of aircraft advanced composite and bonded metal structures, providing portable control of temperature and vacuum pressure over periods of cure times.

## **2.0 APPLICABLE DOCUMENTS**

### **2.1 APPLICABILITY**

2.1.1 The following documents are relevant to understanding the requirement and mandatory to the performance of work called up in this SOW. Documents referenced within documents cited herein must not be applicable to this SOW unless specifically stated in this SOW.

### **2.2 GENERAL**

2.2.1 C-02-005-013/AM-000, Shelf Life and Storage of Materiel (DND Controlled Publication)

2.2.2 D-LM-008-022/SG-000 - Standard for Packaging of Documentation (DND Controlled Publication)

2.2.3 D-01-400-002/SF-000 - DND Specifications – Drawings, Engineering and Associated Lists (DND Controlled Publication)

2.2.4 D-02-002-001/SG-001 - Identification Marking of Canadian Military Property (DND Controlled Publication)

### **2.3 TECHNICAL**

2.3.1 C-12-010-062/TP-000 – Advanced Composite Material Repair Manual (DND Controlled Publication)

2.3.2 C-12-010-040/TR-017 – Aircraft Radomes and Laminated Fabric Reinforced Parts. (DND Controlled Publication)

- 2.3.3 MIL-STD-810G - Department of Defense (DOD) Military-Standard (MIL-STD) Test Method Standard for Environmental Engineering Considerations and Laboratory Tests (Contractor Responsible to Obtain)
- 2.3.4 MIL-R-9300B - Resin, Epoxy, Low-Pressure Laminating (Contractor Responsible to Obtain)
- 2.3.5 MIL-R-7575 - Polyester Low-Pressure Laminating (Contractor Responsible to Obtain)
- 2.3.6 MIL-R-9299C - Phenolic Low-Pressure Laminating (Contractor Responsible to Obtain)
- 2.3.7 MIL-A-25463 - Adhesive, Metallic Structural Sandwich Construction (Contractor Responsible to Obtain)
- 2.3.8 MIL-STD-461F – Electro-Magnetic Interference (EMI) for Surface Ship Applications (Contractor Responsible to Obtain)

### **3.0 REQUIREMENTS**

#### **3.1 GENERAL**

3.1.1 The Composite Repair Hot Bond System is designed for the repair and fabrication of advanced composite and bonded metallic structures as required by C-12-010-062/TP-000 and C-12-010-040/TR-017.

3.1.2 The Contractor must provide total quantity fifty-two (52) dual zone Composite Repair Hot Bond Systems, which must include the provision of equipment, training, documentation and Integrated Logistics Support (ILS) management, as detailed further in this SOW. The delivery must be for quantity forty-five (45) General Purpose Composite Repair Hot Bond Systems and quantity seven (7) Naval Purpose Composite Repair Hot Bond Systems.

3.1.3 The General Purpose Composite Repair Hot Bond System is to be utilized in hangar and shop locations and deployed operations in very austere environmental conditions. The Naval Purpose System is to be utilized in the hangar and on the flight deck of Royal Canadian Navy ships and must be compliant to MIL-STD-461F EMC requirements.

3.1.4 The Contractor must grant to Canada an irrevocable option to purchase, under the same terms and conditions, additional quantities of General or Naval purposes systems. This option may be exercised in whole or in part, for a minimum of one (1) up to a maximum of twenty (20) of either system, for up to twenty-four (24) months after the contract has been awarded. Either or both systems, same terms and conditions.

#### **3.2 OPERATING ENVIRONMENT**

3.2.1 The General Purpose and Naval Purpose Composite Repair Hot Bond Systems must meet all performance requirements in this specification without physical damage or degradation to the unit or its subsystems during and after exposure to any combination of the ambient and induced climatic and environmental conditions identified in this document. Testing must be done in accordance with MIL-STD-810G and a report provided complete with method and results.

- a. High temperature; Basic Climatic Design, Daily Cycle A2
- b. Low temperature; Basic Climatic Design, Daily Cycle C1
- c. High Humidity; Basic Climatic Design, Daily Cycle B1;

3.2.2 The General Purpose and Naval Purpose Composite Repair Hot Bond Systems must be capable of being transported by land, sea and air without damage to the unit from shock and vibration associated with the transportation

- d. Vibration; Method 514.6 Procedure 2 – Loose Cargo Transportation
- e. Shock; Method 516.6 Procedure 3 – Fragility, Procedure 4 - Transit Drop & Procedure 6 - Bench Handling.
- f. Explosive atmosphere; Method 511.5 Procedure 1 – Operation in Explosive Atmosphere. Note, compliance by analysis or other methods shall be approved by the TA.



### 3.3 CURE DATES

3.3.1 Materials supplied by the contractor shall be of new production. Where rubber components and/or seals are used, the cure date of the rubber shall not be more than twenty-four (24) months prior to delivery to the Department of National Defence (DND).

### 3.4 SPECIFICATIONS – GENERAL AND NAVAL PURPOSE SYSTEM

3.4.1 Each General and Naval Purpose Composite Repair Hot Bond System and its supporting equipment shall be encased entirely in one (1) carrying unit and shall meet the following specifications:

#### 3.4.1.1 Carrying Case/ Storage Lid:

- a. all accessories stored in Lid (single storage unit);
- b. weight of both halves, carrying case or storage Lid no greater than 50 lbs (22.679 kg) for a total weight of no more than 100lbs (45.359 kg), including the Composite Repair Hot Bond System;
- c. spark proof; and
- d. no sharp corners or items sticking out.

#### 3.4.1.2 Power: (Voltage) Current: (Amperage):

- a. 90 to 264 Volts Alternating Current (AC), 47 to 63 Hertz (Hz) with Auto Switching;
- b. must be able to run off a suitable generator with no shut down or disruption in the cure program;
- c. minimum Input: 30 Amps (per zone); and
- d. minimum Output: 30 Amps (per zone).

#### 3.4.1.3 Cure Temperatures Range:

- a. Ambient: 1°F to 500 °F (-17.2°C to 260 ° C) must be able to hold a set, constant temperature for an extended period of time.
- b. selectable to 1000 °F (537.7 ° C) with just a heat blanket exchange.

#### 3.4.1.4 Heat Control Methods:

- a. hottest Thermocouple (TC);
- b. coolest Thermocouple;
- c. Thermocouple average;
- d. Thermocouple (TC) No. 1 or Thermocouple (TC) No. 2;
- e. Thermocouple J-Model - minimum eight (8) per zone for maximum parameter control; and
- f. automatic management of heating blankets.

#### 3.4.1.5 Operator Interface:

- a. menu Selected / Real Language; i.e. Start, Stop, Run, Temp and Ramp
- b. screens and popup menus, full sunlight readable Liquid Crystal Display (LCD) display, full cure view real time graph status on screen;
- c. run the same program on both zones at the same time and/or run separate programs on each zone at the same time, and must be able to identify any heat blanket fault and thermocouple fault;
- d. fully functional and programmable without a Personal Computer (PC);
- e. modify a program in progress, change the Alarm/deviation parameters, ramp rate, cure time and cure temperature, while a cure program is running;
- f. Password protection;
- g. minimum of twenty (20) storable cure programs; and
- h. computer interface for storage/documentation of cures USB flash drive. (Note: Memory Stick is acceptable).

#### 3.4.1.6 Printer

- a. entire cure must be printed;
- b. capture any program changes;
- c. any lost power and alarm data is captured and printed;
- d. real time printing; and
- e. printer is self-contained and mounted within the unit.

#### 3.4.1.7 Power Failure / Recovery:

- a. two (2) minute Auto-Recovery with continued program operation.

#### 3.4.1.8 Alarm Volume:

- a. audible Alarm; ninety (90) decibels (dB), with adjustable volume;
- b. program cure must convert to program hold status when there is an alarm condition; and
- c. program cure resumes when the alarm fault is corrected.

#### 3.4.1.9 Programs Stored to Memory:

- a. twenty (20) separate, operator entered programs

### 3.4.2 Accessories – General and Naval Purpose System Supporting Equipment

3.4.2.1 The General and Naval Purpose Composite Repair Hot Bond accessories must meet the following specifications:

3.4.2.1.1 Flexible Heating Blankets with a max temperature capability of (500 °F):

- a. quantity two (2) Flexible Heating Blankets – six (6) inch (15.24 cm) square;
- b. quantity four (4) Flexible Heating Blankets – eight (8) inch (20.32 cm) square;
- c. quantity two (2) Flexible Heating Blankets – ten (10) inch (25.4 cm) square and
- d. quantity two (2) Flexible Heating Blankets – twelve (12) inch (30.48 cm) square.

3.4.2.1.2 Thermocouples:

- a. quantity twenty-four (24) - ten (10) foot (3.048 metre) long, Kapton wrapped, J Type Thermocouples with welded ends.

3.4.2.1.3 Hoses/Vacuum:

- a. vacuum source, internal venturi with transducer, eighty to one hundred ten (80-110) Pounds per Square Inch (PSI) (551.6 – 758.4 kilopascals) at minimum vacuum of twenty-eight (28) inches mercury (in/Hg) (711 millimetres mercury) at sea level;
- b. minimum quantity four (4), ten (10) foot (3.048 metre) long steel braided vacuum Lines; and
- c. minimum quantity four (4), thru-bag vacuum connectors.

3.5 UNIQUE REQUIREMENTS

3.5.1 There are a number of unique requirements related to the operating environment and specific to the application of the Composite Repair Hot Bond System.

3.5.2 Unique Requirement – General Purpose System

3.5.2.1 The General Purpose Composite Repair Hot Bond Systems must be capable of operating in extreme environmental conditions and thus must meet or exceed the performance specification denoted below and in accordance with MIL-STD-810G. In addition to the environmental tests listed in paragraph 3.2.1, testing must be done in accordance with MIL-STD-810G and a report provided complete with method and results.

- a. Sand and dust; Method 510.4 Procedure 1 - Blowing Dust and Procedure 2 - Blowing Sand.

3.5.2.2 In addition to the pneumatic vacuum, an electric vacuum is required:

- a. Electrical vacuum pump, internal Direct Current (DC) pump must provide a minimum of point seventy-five (.75) Cubic Feet per Minute (CFM) (.02 cubic meter/minute) at minimum vacuum of twenty-eight (28) inches mercury (in/Hg) (711 millimetres mercury) at sea level.

3.5.3 Unique Requirement – Naval Purpose System

3.5.3.1 System must be certified Electromagnetic Interference/Compatibility (EMI/C) to MIL-STD-461F for Surface Ship Applications and must meet or exceed the performance specification denoted below and in accordance with MIL-STD-461F. The Contractor must provide

documented Original Equipment Manufacturer (OEM) or independent, accredited 3<sup>rd</sup> party laboratory successful test results for test method, provided with bid:

- a. CE102 - Conducted Emissions, Power Leads, 10 kHz to 10 MHz;
- b. CS101 - Conducted Susceptibility, Power Leads, 30 Hz to 150 kHz;
- c. CS114 - Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 200 MHz;
- d. CS115 - Conducted Susceptibility, Bulk Cable Injection, and Impulse excitation;
- e. CS116 - Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power leads; 10 kHz to 100 MHz
- f. RE101 - Radiated Emissions, Magnetic Field, 30 Hz to 100 kHz;
- g. RE102 - Radiated Emissions, Electric Field, 10 kHz to 18GHz;
- h. RS101 - Radiated Susceptibility, Magnetic Field, 30 Hz to 100 kHz; and
- i. RS103 - Radiated Susceptibility, Electric Field 2 MHz to 40 GHz.

### 3.6 INTEGRATED LOGISTICS SUPPORT MANAGEMENT

#### 3.6.1 Maintenance Requirements

##### 3.6.1.1 Assurances of future support offered will be made on the following:

- a. The Contractor must provide proof of Repair and Overhaul (R&O) capability at a facility in Canada (Third Line) in writing as part of the bid;
- b. The Contractor must provide proof of capability to supply spare parts, overhaul services and related logistics support for the tendered system for a minimum period of ten (10) years;
- c. The Contractor must provide English service bulletins affecting the operation, maintenance and safety of the Composite Repair Hot Bond Systems and Flexible Heating Blankets to the Technical Authority (TA) for the minimum period of ten (10) years for the Composite Repair Hot Bond Systems and any other associated equipment included in this acquisition; and
- d. The Contractor must provide drawings and/or specification sheets and quantity one (1) operator manual to the TA for cataloguing and identification of assemblies and sub-assemblies. Drawings must conform to D-01-400-002/SF-000 – DND Specifications – Drawings, Engineering and Associated Lists.

### 3.6.2 Special Tools

3.6.2.1 If special tools are required for maintenance tasks in normal set-up or reconfiguration, the Contractor must include these special tools as a deliverable.

### 3.6.3 Data Plate

3.6.3.1 A Data Identification Plate must be provided in accordance with D-02-002-001/SG-001, Identification Marking of Canadian Military Property and must be installed in the vicinity of the control panel of the Composite Repair Hot Bond System. It must contain, as a minimum, the following information:

- a. Original Equipment Manufacturer (OEM);
- b. Certified EMI/C to MIL-STD-461F for Surface Ship Applications (applicable to Naval Purpose Systems only);
- c. Nomenclature;
- d. Model/Part Number;
- e. Date of Manufacture;
- f. Serial Number;
- g. Dimensions (Length x Width x Height) inches/centimetres (in/cm);
- h. Weight – pounds/kilograms (lb/kg); and
- i. Public Works Government Services Canada (PWGSC) Contract Number.

### 3.6.4 Manuals

3.6.4.1 The Contractor must provide rights to the Crown to reproduce the information of the OEM manual (Composite Repair Hot Bond System) into a DND formatted bilingual (English/French) Canadian Forces Technical Order (CFTO).

3.6.4.2 Whenever the Contractor applies his own part number to a part manufactured by a different OEM, the OEM part number and North Atlantic Treaty Organization (NATO) Commercial and Government Entity code (NCAGE) are to be inserted in the nomenclature column of the illustrated parts list.

3.6.4.3 The Contractor must indicate the military specifications of parts in the illustrated parts list when applicable.

3.6.4.4 The Contractor must provide a spares list including description, OEM part numbers and a published price list for sparing required for a two (2) year period.

### 3.6.5 Training

3.6.5.1 The Contractor's training handout in English and French must include all information in written and electronic form in regards to:

- a. Safety precautions to be observed while operating and servicing the equipment;
- b. Pre-operating and pre-shutdown processes and procedures;
- c. Operation processes and procedures;
- d. Calibration processes and procedures
- e. Equipment operating characteristics;
- f. Trouble shooting, testing and adjustments;
- g. Procedures for the use of Special tools and test equipment, if applicable; and
- h. Preventative maintenance procedures including servicing schedules.

## 4.0 DELIVERABLES

### 4.1 DELIVERY – COMPOSITE REPAIR HOT BOND SYSTEMS

4.1.1 The Contractor must supply delivery of fifty-two (52) Hot Bonders in two (2) separate deliveries. The first (1st) delivery is for quantity forty-five (45) General Purpose Composite Repair Hot Bond Systems and quantity one (1) Naval Purpose Composite Repair Hot Bond Systems. The second (2nd) delivery must be for quantity six (6) Naval Purpose Composite Repair Hot Bond Systems.

### 4.2 TRAINING – COMPOSITE REPAIR HOT BOND SYSTEM

4.2.1 The Contractor must conduct one session of on site maintenance and user training for a group of approximately twenty (20) students per session at the following locations: Canadian Forces Base (CFB) Cold Lake, Alberta; CFB Trenton, Ontario; CFB Bagotville, Quebec; CFB Borden, Ontario; CFB Shearwater, Nova Scotia and CFB Comox, British Columbia. Proposal must include cost of course material as well as Contractor's travel and living costs. The language of instruction will be English, with French language of instruction in CFB Bagotville, Quebec.

4.2.2 The Contractor must provide the TA with one (1) hard copy and one (1) electronic copy (in Microsoft Office Suite 2003) of the training course outline. Training schedule will be finalized by the TA with the Contractor. Training sessions will not occur prior to the receipt of the Composite Repair Hot Bond Systems and their distribution to the training locations.

### 4.3 MANUALS – COMPOSITE REPAIR HOT BOND SYSTEM

4.3.1 The Contractor must provide quantity one (1) hard copy of applicable operating, maintenance, repair & overhaul and illustrated parts list manual(s) shipped with each system. The Contractor must provide all applicable operating, maintenance, repair & overhaul and illustrated parts list publications (PDF) in accordance with C-01-100-100/AG-005, Adoption of Commercial and Government Publications. The publications must contain enough detail to permit local repair and operation. The publications must be packaged in accordance with D-LM-008-022/SG-000 – Standard for Packaging of Documentation. The Contractor must provide quantity three (3) hard copy and quantity one (1) electronic copy (PDF) of applicable operating,

maintenance, repair & overhaul and illustrated parts list manual(s) in the Contractor's format submitted with proposal, for TA review and approval.

#### 4.4 DELIVERABLES TABLE

ITEM	DESCRIPTION	SOW REF	QTY	DELIVERY SCHEDULE	DESTINATION
1	Composite Repair Hot Bond System. Item One (1) - General Purpose System	3.4	45	8 MACA*	25 Canadian Forces Supply Depot PO Box 4000 Stn K Montreal, QC H1N 3R9
2	Composite Repair Hot Bond System. Item Two (2) – Naval Purpose System. 1 <sup>st</sup> Delivery	3.4	1	8 MACA*	25 Canadian Forces Supply Depot PO Box 4000 Stn K Montreal, QC H1N 3R9
	Composite Repair Hot Bond System. Item Two (2) – Naval Purpose System. 2 <sup>nd</sup> Delivery	3.4	6	10 MACA*	25 Canadian Forces Supply Depot PO Box 4000 Stn K Montreal, QC H1N 3R9
3	Accessories	3.4.2	Per System	Delivered with each Composite Repair Hot Bond System.	25 Canadian Forces Supply Depot PO Box 4000 Stn K Montreal, QC H1N 3R9
4	MIL-STD-810G Environmental Test Results	3.2.1 3.2.2 3.5.2.1	1	Delivered with proposal to PWGSC	PWGSC CA
5	MIL-STD-461E EMI/C Test Results	3.5.3	1	Delivered with proposal to PWGSC	PWGSC CA
6	Service Bulletins affecting the operation, maintenance and safety of the Composite Repair Hot Bond Systems and Flexible Heating Blankets	3.6.1.1c	1 (hard copy) 1 (electronic**)	Delivered to the TA from contract award until the full service life (10) years	Contract TA Attn: WO Douglas Hennessey DAEPM (FT) 6-3-6-2 Department of National Defence Ottawa, Ontario K1A 0K2
7	Drawings/Specification Sheets/Manual	3.6.1.1d	1 per Assembly 1 per Subassembly 1 Manual	Delivered with proposal to PWGSC	PWGSC CA
8	Special Tools	3.6.2	1 per System (if applicable)	Delivered with each Composite Repair Hot Bond System.	25 Canadian Forces Supply Depot PO Box 4000 Stn K Montreal, QC H1N 3R9
9	Recommended Spare Parts List	3.6.4.5	1	Delivered with proposal to PWGSC	PWGSC CA
10	Training Handout (English/French)	3.6.5.1	1 (hard copy English) 1 (hard copy French) 1 (electronic**,)	Delivered to the TA for review and approval in advance of training	Contract TA Attn: WO Douglas Hennessey DAEPM (FT) 6-3-6-2 Department of National



			English/French)		Defence Ottawa, Ontario K1A 0K2
<b>11</b>	Training - Composite Repair Hot Bond System	4.2.1	20 Students (approx)	Training schedule will be finalized by the TA with the successful Contractor	4 Wing CFB Cold Lake PO Box 6550 Stn Forces Cold Lake, AB T9M 2C6
<b>12</b>	Training - Composite Repair Hot Bond System	4.2.1	20 Students (approx)	Training schedule will be finalized by the TA with the successful Contractor	8 Wing CFB Trenton PO Box 1000 Stn Forces Trenton, ON K0K 3W0
<b>13</b>	Training - Composite Repair Hot Bond System (To be given in French)	4.2.1	20 Students (approx)	Training schedule will be finalized by the TA with the successful Contractor	3 Wing CFB Bagotville CP 5000 STN Main Alouette QC G0U 1A0
<b>14</b>	Training - Composite Repair Hot Bond System	4.2.1	20 Students (approx)	Training schedule will be finalized by the TA with the successful Contractor	16 Wing CFB Borden PO Box 1000 Stn Main Borden ON L0M 1C0
<b>15</b>	Training - Composite Repair Hot Bond System	4.2.1	20 Students (approx)	Training schedule will be finalized by the TA with the successful Contractor	12 Wing CFB Shearwater PO Box 5000 Stn Main Shearwater NS B0J 3A0
<b>16</b>	Training - Composite Repair Hot Bond System	4.2.1	20 Students (approx)	Training schedule will be finalized by the TA with the successful Contractor	19 Wing CFB Comox PO Box 1000 Stn Main LAZO BC V0R 2K0
<b>17</b>	Manuals - Composite Repair Hot Bond System	4.3.1	52	Delivered with each Composite Repair Hot Bond System.	25 Canadian Forces Supply Depot PO Box 4000 Stn K Montreal, QC H1N 3R9
<b>18</b>	Manuals - Composite Repair Hot Bond System	4.3.1	3 (hard copy) 1 (electronic**)	Delivered with proposal to PWGSC	PWGSC CA
<p style="text-align: center;"><b>*MACA = Months After Contract Award</b>  <b>**To be provided in PDF format</b></p>					

ANNEX B  
TECHNICAL EVALUATION PLAN  
FOR  
COMPOSITE REPAIR HOT BOND SYSTEM

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## **1.0 SCOPE**

### **1.1 PURPOSE**

1.1.1 The evaluation plan described in this annex defines the methodology by which each submitted proposal for a Composite Repair Hot Bond System (Hot Bonder) will be evaluated.

## **2.0 GENERAL**

### **2.1 TECHNICAL EVALUATION**

2.1.1 Each Bidder's proposal will be evaluated for its technical compliance.

### **2.2 BASIS OF SELECTION**

2.2.1 The successful proposal selection will offer a fully compliant proposal at the lowest overall cost.

### **2.3 TECHNICAL COMPLIANCE**

2.3.1 To be compliant, the Contractor must complete the technical compliance matrix indicating whether their Composite Repair System is compliant or not and providing specific detail on how the proposed Composite Repair System meets the requirement.

### 3.0 EVALUATION REVIEW GUIDE

#### 3.1 MANDATORY REQUIREMENTS FOR GENERAL PURPOSE SYSTEM

##### REQUIREMENTS

Mandatory requirements must be met or exceeded and the Contractor must provide specific detail on product compliance.

<b>Mandator y</b>	<b>SOW Referenc e</b>	<b>CRITERIA</b>	<b>COMPLIANCE DETAILS</b>
<b>M1</b>		The Contractor must provide a written statement of compliance, confirming that all work, requirements, specifications, and deliverables outlined within the Statement of Work must be delivered by the Contractor in accordance with the applicable DID/CDRL, specification, term(s) and/or condition(s) as per the RFP.	
<b>M2</b>	<b>3.1.2</b>	The Contractor must provide total quantity fifty-two (52) dual zone Composite Repair Hot Bond Systems, which must include the provision of equipment, training, documentation and Integrated Logistics Support (ILS) management. The delivery must be for quantity forty-five (45) General Purpose Composite Repair Hot Bond Systems and quantity seven (7) Naval Purpose Composite Repair Hot Bond Systems.	
<b>M3</b>	<b>3.1.4</b>	The Contractor must grant to Canada an irrevocable option to purchase additional quantities. This option must be exercised in whole or in part, for a minimum quantity of one (1) up to a maximum of twenty (20) systems for 24 months after the contract has been awarded. Either or both systems, same terms and conditions.	
	<b>3.6</b>	<b>INTEGRATED LOGISTICS SUPPORT MANAGEMENT</b>	
<b>M4</b>	<b>3.6.1.1 a</b>	The Contractor must provide proof of Repair and Overhaul (R&O) capability at a facility in Canada (Third Line)	
<b>M5</b>	<b>3.6.1.1b</b>	The Contractor must provide proof of capability to supply spare parts, overhaul services and related logistics support for the tendered system for a minimum period of ten (10) years.	

<b>M6</b>	<b>3.6.1.1 c</b>	The Contractor must provide service bulletins affecting the operation, maintenance and safety of the Composite Repair Hot Bond Systems and Flexible Heating Blankets to the Technical Authority (TA) for the Composite Repair Hot Bond Systems and any other associated equipment included in this acquisition for a minimum period of ten (10) years.	
<b>M7</b>	<b>3.6.1.1 d</b>	The Contractor must provide drawings and/or specification sheets and operator manual to the TA for cataloguing and identification of assemblies and sub-assemblies. Drawings must conform to D-01-400-002/SF-000 - DND Specifications – Drawings, Engineering and Associated Lists.	
<b>M8</b>	<b>3.6.2.1</b>	If special tools are required for maintenance tasks in normal set-up or reconfiguration, the Contractor must include these special tools as a deliverable.	
<b>M9</b>	<b>3.6.3.1</b>	<p>A Data Identification plate must be provided in accordance with D-02-002-001/SG-001, Identification Marking of Canadian Military Property and must be installed in the vicinity of the control panel of the Composite Repair Hot Bond System. It must contain, as a minimum, the following information:</p> <ul style="list-style-type: none"> <li>-Original Equipment Manufacturer (OEM)</li> <li>-Certified EMI to MIL-STD-461F for Surface Ship Applications (applicable to Naval Purpose Systems only)</li> <li>-Nomenclature;</li> <li>-Model/Part Number</li> <li>-Date of Manufacture</li> <li>-Serial Number</li> <li>-Dimensions (Length x Width x Height) inches/centimetres (in/cm)</li> <li>-Weight – pounds/kilograms (lb/kg)</li> <li>-Public Works Government Services Canada (PWGSC) Contract Number.</li> </ul>	
<b>M10</b>	<b>3.6.4.1</b>	The Contractor must provide rights to the Crown to reproduce the information of the OEM manual (Composite Repair Hot Bond System) into a DND formatted bilingual (English/French) Canadian Forces Technical Order (CFTO).	
<b>M11</b>	<b>3.6.4.2</b>	Whenever the Contractor applies his own part number to a part manufactured by a different OEM, the OEM part number and North Atlantic Treaty Organization (NATO) Commercial and Government Entity code (NCAGE) are to be inserted in the nomenclature column of the illustrated parts list.	

<b>M12</b>	<b>3.6.4.3</b>	The Contractor must indicate the military specifications of parts in the illustrated parts list when applicable.	
<b>M13</b>	<b>3.6.4.4</b>	The Contractor must provide a spares list including description, OEM part numbers and a published price list for spares required for a two (2) year period.	
<b>M14</b>	<b>3.6.5.1</b>	<p>The Contractor's training handout in English and French must include all information in written and electronic form in regards to:</p> <ul style="list-style-type: none"> <li>-Safety precautions to be observed while operating and servicing the equipment</li> <li>-Pre-operating and pre-shutdown procedures</li> <li>-Operation procedures</li> <li>-Calibration procedures</li> <li>-Equipment operating characteristics</li> <li>-Trouble shooting, testing and adjustments</li> <li>- Procedures for the use of Special tools and test equipment if applicable</li> <li>-Preventative maintenance procedures including servicing schedules.</li> </ul>	