

**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 0B2 / Noyau 0B2
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

E-mail/Courriel: mark.walton@tpsgc-pwgsc.gc.ca

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

Title - Sujet SEA MARKER, FLUORESCENT		
Solicitation No. - N° de l'invitation W8482-156606/A	Date 2014-12-19	
Client Reference No. - N° de référence du client W8482-156606		
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-903-66398		
File No. - N° de dossier pv903.W8482-156606	CCC No./N° CCC - FMS No./N° VME	
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-02-02		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: Walton, Mark		Buyer Id - Id de l'acheteur pv903
Telephone No. - N° de téléphone (819) 956-3813 ()		FAX No. - N° de FAX () -
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**

Delivery Required - Livraison exigée 2015-04-15	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



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
W0100	DEPARTMENT OF NATIONAL DEFENCE FORMATION COMMANDER HMC DOCKYARD BLDG D-206 DOOR 1 THRU 13 HALIFAX Nova Scotia B3K 5X5 Canada	W010B	DEPARTMENT OF NATIONAL DEFENCE MARITIME FORCES ATLANTIC P.O. BOX 99000 STN FORCES HALIFAX Nova Scotia B3K 5X5 Canada
W2B02	DEPARTMENT OF NATIONAL DEFENCE BASE LOGISTICS OFFICER CFB ESQUIMALT ATTN: RECEIVING BLDG 66 COLWOOD VICTORIA British Columbia V9A 7N2 Canada	W0103	DEPARTMENT OF NATIONAL DEFENCE BASE LOGISTICS OFFICER CFB ESQUIMALT STN FORCES P.O.BOX 17000 VICTORIA British Columbia V9A 7N2 Canada



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM Destination Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	NSN - NNO: 6850-21-877-0651 SEA MARKER, FLUORESCENT 100480850 IN ACCORDANCE WITH THE MANDATORY SPECIFICATIONS AT ANNEX A NSCM/CAGE - COF/CAGE: L0874 Part No. - N° de la partie: VI-8770651	W2B02	W0103	2000	Each	\$	2015-04-15	
2	NSN - NNO: 6850-21-877-0651 SEA MARKER, FLUORESCENT 100480850 IN ACCORDANCE WITH THE MANDATORY SPECIFICATIONS AT ANNEX A NSCM/CAGE - COF/CAGE: L0874 Part No. - N° de la partie: VI-8770651	W0100	W010B	1000	Each	\$	2015-04-15	

Solicitation No. - N° de l'invitation

W8482-156606/A

Amd. No. - N° de la modif.

File No. - N° du dossier

pv903W8482-156606

Buyer ID - Id de l'acheteur

pv903

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

W8482-156606

CCC No./N° CCC - FMS No/ N° VME

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements:

There is no security requirement associated with this bid solicitation.

1.2 Requirement

The requirement is detailed under Article 6.2 of the resulting contract clauses.

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within **fifteen (15) working days** from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

"The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT)."

PART 2 - BIDDER INSTRUCTIONS

2.1 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 (2014-09-25) 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

2.1.1 SACC Manual Clauses

SACC Reference	Title	Date
B1000T	Condition of Material	2007-11-30
B3000T	Equivalent Products	2006-06-16

Substitute Products - Samples (Department of National Defence)

If the Bidder offers a substitute product, Canada requires a sample from the Bidder in order to determine its equivalency in form, fit, function, quality and performance to the item specified in the bid solicitation.

The Bidder must, provide a sample to the Contracting Authority with its bid. The sample submitted by the Bidder will remain the property of Canada and will not be considered as part of the deliverables in any resulting contract. If the sample does not meet the requirements of the bid solicitation or the Bidder fails to comply with the request of the Contracting Authority, the bid will be declared non-responsive.

2.2 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.

2.3 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 question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

2.4 Applicable Laws

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

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

3.1 Bid Preparation Instructions

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

- Section I: Technical Bid - Two (2) hard copies
- Section II: Financial Bid - One (1) hard copy
- Section III: Certifications – At least one (1) hard 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) (<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.

Section I: Technical Bid

In their technical bid, bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

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 (____)

Sample

The Bidder must supply one pre-award sample, transportation charges prepaid and without charge to Canada, with the bid document. The sample submitted by the Bidder will remain the property of Canada and will not be considered as part of the deliverables in any resulting contract. If the Bidder fails to supply a pre-award sample with the bid document, or if the sample provided does not meet the requirements of the bid solicitation, the bid will be declared non-responsive and no further consideration will be given.

Delivery

While delivery is requested by **April 15, 2015**, the best delivery that could be offered by the Bidder is _____.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

3.1.1 Exchange Rate Fluctuation

- [C3011T](#) (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 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.

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 must 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 shall 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)

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

- Technical Compliance – see Mandatory Specifications at Annex A.

4.1.1.2 PRE-AWARD REQUIREMENT

- The Bidder must provide a pre-award sample, as defined in part 3 If the sample provided does not meet the mandatory requirements defined in Annex A paragraph 2, the bid will be declared non-responsive and no further consideration will be given.
- Allowable Deviation: It is recognized that the dye required for the SDM may not be readily available and therefore, for the pre-award sample only, may be substituted with the prescribed amount of another colored but non-toxic compound (sugar/flour/baking soda).
- The bidder must supply a draft detailed manufacturing, testing, and quality-assurance plan.

4.1.2 Financial Evaluation

- SACC Manual Clause [A0222T](#) (2013-06-25), Evaluation of Price - Canadian / Foreign Bidders

4.2 Basis of Selection

4.2.1 SACC Manual Clauses

SACC Reference	Title	Date
A0069T	Basis of Selection	2007-05-25

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and associated information to be awarded a contract.

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default in carrying out any of its obligations under the Contract, if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority may render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

5.1.1 Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide

the information. Failure to comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive.

5.1.1.1 Integrity Provisions - Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions 2003. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

5.1.1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (ESDC) - Labour's website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

6.1.1 There is no security requirement applicable to this Contract.

6.2 Requirement

The Contractor must provide the items detailed under the "Line Item Detail", and further detailed under the "Mandatory Specifications" at Annex "A".

6.3 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.

6.3.1 General Conditions

2010A (2014-11-27), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.1.1 Warranty Period

Section 09 of General Conditions 2010A is amended by replacing the period of twelve (12) months by that period specified at article 4 of Annex A.

All other provisions of the warranty section remain in effect.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before *(date to be inserted at contract award)*.

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6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Mark Walton
Supply Officer
Public Works and Government Services Canada
Acquisitions Branch
Commercial Consumer Products Directorate
Scientific, Medical, and Photographic Division "PV"
6A2, Phase III, Place du Portage,
11 Laurier Street,
Gatineau, Quebec, Canada K1A 0S5
Telephone: 819-956-3813
Facsimile: 819-956-3814
E-mail address: mark.walton@tpsgc-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.

6.5.2 Technical Authority: To be identified at contract award

The Technical Authority 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.

6.5.3 Contractor's Representative

The telephone number, with extension if applicable, 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: _____

6.6 Payment

6.6.1 Basis of Payment - Firm Unit Price(s)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm unit price(s), as specified in the contract, for a cost of \$ *(amount to be inserted at contract award)*. Customs duties are included, and Applicable Taxes are extra.

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.

6.6.2 SACC Manual Clauses

SACC Reference	Title	Date
H1001C	Multiple Payments	2008-05-12

6.7 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 addresses shown on page 2 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:
Department of National Defence
National Defence Headquarters
101 Colonel By Drive
Ottawa, Ontario K1A 0K2
Attention: D Mar P 4-3-3-4

6.8 Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the associated information, 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.

6.9 Applicable Laws

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

6.10 Priority of Documents

If there is a discrepancy between the wording 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) the general conditions 2010A (2014-09-25), General Conditions - Goods (Medium Complexity),
- (c) Annex A, Mandatory Specifications
- (d) the Contractor's bid dated

6.11 SACC Manual Clauses

SACC Reference	Title	Date
A2000C	Foreign Nationals (Canadian Contractor)	2006-06-16
A9062C	Canadian Forces Site Regulations	2011-05-16
B7500C	Excess Goods	2006-06-16
D2000C	Marking	2007-11-30
D3010C	Delivery of Dangerous Goods / Hazardous Products	2014-06-26

SACC Reference	Title	Date
D3015C	Dangerous Goods / Hazardous Products - Labelling and Packaging Compliance	2014-09-25
D5545C	ISO 9001:2008 - Quality Management Systems - Requirements (QAC C)	2010-08-16
D9002C	Incomplete Assemblies	2007-11-30

6.11.1 Packaging Requirement using Specification D-LM-008-036/SF-000

The Contractor must prepare item numbers 1 and 2 for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification D-LM-008-036/SF-000, DND Minimum Requirements for Manufacturer's Standard Pack.

The Contractor must package item numbers 1 and 2 in quantities of either

- Sealed bags with a maximum quantity of fifty (50); or
- Boxes with a maximum quantity of one-hundred (100).

by package.

6.12 Shipping Instructions - Delivery and Destination Schedules Unknown

1. The Contractor must ship the goods prepaid DDP - Delivered Duty Paid Esquimalt, British Columbia, and Halifax, Nova Scotia. Unless otherwise directed, delivery must be made by the most economical means. Shipping charges must be shown as a separate item on the Contractor's invoice. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and Applicable Taxes.

2. The Contractor must deliver the goods to Canadian Forces (CF) Supply Depots by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the Depot Traffic Section at the appropriate location shown below. The consignee may refuse shipments when prior arrangements have not been made.

- 2B1 CF Esquimalt, Esquimalt, British Columbia; telephone: 250-363-4963
- 7H1 CF Halifax, Halifax, Nova Scotia; telephone: 902-427-1441

6.13 Pre-Production Requirements

6.13.1 The contractor must supply one SDM pre-production sample that meets all requirements of this specification.

6.13.2 The contractor must supply test results from an independent accredited test facility of their choice demonstrating the SDM meets the mandatory requirements (Para 2, Sub Para's 2.4.3, 2.4.4 and 2.4.5) of this specification.

6.13.3 The contractor must supply material safety data that the dye used in the production of the SDM is non-toxic and does not present any health hazards when released from its container and contacting human beings.

6.13.4 The contractor must supply a final manufacturing, testing and quality assurance plan acceptable to the DND Technical Authority.

6.14 Production Requirements

6.14.1 The contractor must provide material safety data sheets (MSDS) to the Department of National Defence Technical Authority for every lot of chemical(s) used in the manufacture of Government contracted SDM.

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6.14.2 Production testing is the responsibility of the contractor.

6.14.3 The contractor must retain production and test records, which must be made available to the Department of National Defence Technical Authority, or Director Quality Assurance representative.

6.15 Production Facility Visit and Sampling

6.15.1 The Department of National Defence Technical Authority and Director Quality Assurance representative reserves the right upon award of contract to visit the production facility during normal working hours without notice for the purpose of witnessing SAS production and testing.

6.15.2 The Department of National Defence reserves the right to withdraw SAS samples off the production line and conduct their own testing.

ANNEX "A"
MANDATORY SPECIFICATIONS FOR SEA DYE MARKER (FLOURESCENT)
NSN: 6850-21-877-0651

NOTE: BIDDERS MUST INDICATE CLEARLY WHERE THEIR BID OR ANY ATTACHMENT THERETO STATES THAT THE ITEM(S) OFFERED MEET(S) EACH OF THE FOLLOWING MANDATORY SPECIFICATIONS. FAILURE TO DO SO, OR NON-COMPLIANCE WITH ANY OF THEM, WILL RENDER YOUR BID NON-RESPONSIVE.

1. SCOPE:

1.1 This document outlines the mandatory design and performance requirements for the sea dye marker (fluorescent) as used with in-service Canadian Armed Forces personal floatation devices and life preservers. These sea dye markers have the following two main functions:

1. To provide Canadian Armed Forces personnel with a means of marking their position when afloat in any body of water and need immediate rescue.

2. To provide search and rescue aircraft with a known and recognizable means of visually identifying a distressed person(s) from altitudes of 500 to 1500 feet above sea level.

2. MANDATORY REQUIREMENTS

2.1. The sea dye marker (fluorescent) herein known, as SDM must meet the following mandatory requirements.

2.2 SIZE CONSTRAINTS:

2.2.1 The SDM must be compatible in size (fit inside) the designated storage-pocket of all in-service Canadian Armed Forces personal floatation devices and life preservers which require a SDM. Dimensions of that pocket are: 142 mm long, by 78 mm wide, by 11 mm thick or deep.

PROPOSAL REFERENCE: _____

2.2.2 Finished dimensions of the SDM (when compressed) must be as follows:

- 140 millimeters long (± 1 mm). **PROPOSAL REFERENCE:** _____
- 76 millimeters wide (± 1 mm). **PROPOSAL REFERENCE:** _____
- 9 millimeters thick (± 1 mm). **PROPOSAL REFERENCE:** _____

2.2.3 The SDM must contain a minimum of 50 milliliters of slow releasing fluorescent dye.

PROPOSAL REFERENCE: _____

2.3 ENVIRONMENTAL/PERSONNEL PROTECTION:

2.3.1 The fluorescent dye used contained in the SDM must be non-toxic and not present any health hazards when released from its container and contacting human beings.

PROPOSAL REFERENCE: _____

2.3.2 The fluorescent dye must be encased inside a porous cloth bag/envelope.

PROPOSAL REFERENCE: _____

2.3.3 The cloth bag or envelope containing the dye must be sealed inside a transparent outer casing protecting the dye from exposure until intended use.

PROPOSAL REFERENCE: _____

2.3.4 The SDM must not leak due to temperature and altitude fluctuation

PROPOSAL REFERENCE: _____

2.4 FUNCTION:

2.4.1 The SDM must incorporate a method of opening the outer casing allowing intentional release the dye. **PROPOSAL REFERENCE:** _____

2.4.2 The method of opening (example: zipper, ripcord, pull-tab) must be identified as such. **PROPOSAL REFERENCE:** _____

2.4.3 The opening of the SDM must be accomplishable by the user when in frigid temperatures, defined as 0 to -57°C, with bare hand(s).
PROPOSAL REFERENCE: _____

2.4.4 In the case of injury, the opening of the SDM must be achievable with one hand.
PROPOSAL REFERENCE: _____

2.4.5 The force required to open the SDM must not be less than eight foot-pounds and not greater than twenty foot-pounds. **PROPOSAL REFERENCE:** _____

2.4.6 When intentionally opened by the user the SDM must slowly release a dye, which mixes with the surrounding water emitting a fluorescent green/yellow color.
PROPOSAL REFERENCE: _____

2.5 ATTACHMENT:

2.5.1 The SDM must have attached a securing lanyard 38 centimeters of usable length \pm 1 cm (following crimping or knot tying). **PROPOSAL REFERENCE:** _____

2.5.2 The lanyard must be made from Mil-C 5040 cordage, any color acceptable.
PROPOSAL REFERENCE: _____

2.5.3 If secured with a knot, the knot must be a bowline finished with a half hitch, and the tag end must be secured. **PROPOSAL REFERENCE:** _____

2.5.4 The lanyard or its point of attachment to the SDM must not let go or deform loaded under a fixed force of not less than twenty-five foot-pounds for a period of five minutes.
PROPOSAL REFERENCE: _____

2.6 LABELLING:

2.6.1 By means of permanent printing or fixed label, in characters not less than four millimetres the SDM must contain the following information in both English and French:
PROPOSAL REFERENCE: _____

SEA DYE MARKER
NSN: 6850-21-877-0651
Name of manufacturer or recognized trademark
Government Contract Number
Lot Number and Date of Manufacture

Example:

SEA DYE MARKER
NSN: 6850-21-877-0651
ATTENTION GETTER INC.
W-XXX-XXX-123
LOT#: 001
DOM: 01 OCT 2013

3. PACKAGING:

3.1 The SDM must be packaged as follows:

3.1.1 Sealed bags with a maximum quantity of fifty (50).

3.1.2 Boxes with a maximum quantity of one-hundred (100).

PROPOSAL REFERENCE: _____

4. WARRANTY:

4.1 Unopened boxes or bags of SDM must be warranted against leakage or dye hardening (seal) for a period of five (5) years from the date of manufacture.

PROPOSAL REFERENCE: _____

4.2 From the date of manufacture to the fifth year, boxes or bags opened at any Canadian Armed Forces supply depot, or authorized workshop found to contain faulty SDM will be returned to the contractor at Department of National Defence expense.

PROPOSAL REFERENCE: _____

4.3 The contractor must replace faulty SDM within 90 days at the contractor's expense.

PROPOSAL REFERENCE: _____

4.4 Removal of SDM from their packaging bag(s) at any point in time from the date of manufacture to the fifth year will end the warranty.

PROPOSAL REFERENCE: _____