

**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 COMBAT ENGINEER METAL DETECTOR	
Solicitation No. - N° de l'invitation W8476-144865/A	Date 2014-07-17
Client Reference No. - N° de référence du client W8476-144865	
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-915-65390	
File No. - N° de dossier pv915.W8476-144865	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-08-27	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Gosselin, Monique	Buyer Id - Id de l'acheteur pv915
Telephone No. - N° de téléphone (819) 956-3803 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Department of National Defence CFB ASU SUP EDMONTON Major Equipment Section Edmonton, Alberta T5J 4J5	

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	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

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TITLE: COMBAT ENGINEER METAL DETECTOR (CEMD)**PART 1 - GENERAL INFORMATION****1. Security Requirement**

There is no security requirement associated with this bid solicitation.

2. Statement of Work

The Work to be performed is detailed under Article 2.1 of the resulting contract clauses.

3. Requirement

The requirement is detailed under Article 2.2 of the resulting contract clauses.

3.1 Optional Requirement

The Contractor grants to Canada the irrevocable option to purchase up to an additional three (3) training session (item 2) under the same terms and conditions and at the prices stated in Annex B - Requirement / Basis of Payment.

4. Debriefings

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.

5. Trade Agreements

"The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT)."

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 (2014-06-26) 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: one hundred and eighty (180) days

1.1 SACC Manual Clauses

B1000T	Condition of Material	2014-06-26
A9130T	Controlled Goods Program- Bid	2014-06-26

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(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.

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.

The Bidder 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)

(<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, duo tangs or binders.

1.1 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.

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

1.1.1 Training

The Bidder must provide operator and maintainer Training Sessions (Train-the-Trainer type) at Canadian Forces School of Military Engineering, Gagetown N.B, Canada.

The Bidder must deliver the Operator Training Package in accordance with Annex A-3, DID, CEMD-ILS-210 and Annex A-4, CDRL CEMD-ILS-211 and the Technician Training Package in accordance with Annex A-3, DID, CEMD-ILS-210 and Annex A-4, CDRL CEMD-ILS-211.

The training must consist of one (1) training session for Operators in accordance with DID ILS 210 and one (1) training session for Technician (train-the-trainer types) in accordance with DID ILS 211 detailed in Annex A-3 given to up to sixteen (16) students per course.

The training must be provided in English by a bilingual instructor in order for him to be able to understand and answer questions from the class in both official languages; English and Canadian French.

The course must include all training relating to setup, operation, safety precautions, and first and second level maintenance.

All training materiel provided must be available in English and Canadian French.

Agreed: Yes _____

On-site training will be completed within _____ calendar days of installation.

Provide complete details of training e.g. duration, scope, etc.,

1.1.2 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 (_____)

1.1.3 Point of Manufacture/Shipping

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

Location: _____

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Postal Code: _____

1.1.4 Delivery

While delivery is requested as follows:

- (a) First Delivery: A minimum quantity of fifty (50) units of the CEMD must be delivered within one hundred and twenty (120) calendar days following the Contract award;

Your best delivery: _____ **after contract award**

Quantity delivered: _____

- (b) Second delivery: A quantity of at least one-hundred and fifty (150) units must be delivered within one hundred and eighty (180) calendar days following the Contract award.

Your best delivery: _____ **after contract award**

Quantity delivered: _____

- (c) Last Delivery: Remaining four hundred (400) units must be delivered following the acceptance by DND of all ILS deliverables but no later than within two hundred and seventy (270) calendar days after the Contract award. The last delivery of 400 CEMDs will only be accepted if all ILS deliverables have been received and accepted by DND.

Your best delivery: _____ **after contract award**

Quantity delivered: _____

- (d) All technical publications, data deliverables, training, and services must be delivered prior the Last Delivery of four hundred (400) units in accordance with the schedules as outlined in Annexes A-2, A-3 and A-4.

Agreed: Yes _____

1.1.5 Publication

The Bidder must provide as a minimum all technical publications for operation, maintenance and parts list of the deliverable end item as determined by the DND Technical Authority (see Annex A-6).

Agreed: Yes _____

1.1.6 Data Format

1.1.6.1 All data delivered as part of the SOW, other than those with specific requirements, must be prepared in the Bidder's own format. All documentation must be submitted in hardcopy and in electronic format using software, which is authorized by the DND.

Delivery media containing compressed files must also contain the decompression software.

1.1.6.2 Unless otherwise specified as a specific requirement, the Bidder must deliver all of the soft copies of data deliverables, in formats compatible with the office software currently in use by the DND as listed in Annex A-1 - DND Office Software List.

1.1.6.3 Those compatible formats must allow the files to be recognized, opened, and viewed or read in their intended form and format using DND's office software, as well as allowing the user to modify, select, copy and paste information from the files to other DND office software files.

Agreed: **Yes** _____

1.1.7 Contacts

Bidders are requested to provide the following: Information pertaining to Article 6.4, Contractor Representatives under Part 6, Resulting Contract Clauses.

1.2 Section II: Financial Bid

Item 001 (CEMD)

The bidder must quote a firm lot price all inclusive of supply (CEMD) and manuals, Delivery Duty Paid (DDP) (Edmonton, Alberta), the total amount of applicable taxes must be shown separately. Freight charges to destination and all applicable Customs duties and Excise taxes must be included.

Item 002 (Operator and Technician Training)

The bidder must quote firm prices per session in Edmonton, Alberta including travel and living expenses. The total amount of applicable taxes must be shown separately.

Optional Session (Operator Training)

The bidder must quote a firm price per session in Edmonton (Alberta), Valcartier (Quebec) and Petawawa (Ontario) including travel and living expenses. The total amount of applicable taxes must be shown separately.

Item 003 (ILS)

The bidder must quote a firm lot price, DDP (Edmonton, Alberta), the total amount of applicable taxes must be shown separately. Freight charges to destination and all applicable Customs duties and Excise taxes must be included.

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.

Read: **Yes:** _____

The Proposals will undergo three (3) distinct technical phases of evaluations before winning proposal can be determined:

- a. Phase I: Compliance and verification testing of Mandatory Requirements: A mandatory requirement is defined as a requirement that must be met in order for the bidder's proposal to be further considered for evaluation. Mandatory requirements verification will be conducted on the Bidders supplied detector and assessed as either compliant or non-compliant prior to the evaluation of point rated requirements and any non-compliant proposals will be eliminated. In order to pass Phase I and qualify for Phase II and Phase III evaluation, a proposal must meet all of the technical mandatory requirements listed in Annex C.
- b. Phase II: Technical and Performance verification testing and User trial: Technical and Performance verification will be conducted by the DND evaluation team on the Bidder's supplied detector with the detector operated in accordance with Original Equipment Manufacturer (OEM) procedures. Phase II technical and performance verification tests will be performed at DND research facility (DRDC) located in Suffield, Alberta. The User trial will be conducted with the participation of OEM personnel, under the supervision of the DND evaluation team in accordance with Annex C-1. This trial is part of Phase II and will be performed at DND research facility (DRDC) located in Suffield, Alberta.

- c. Phase III: Severe Soil Performance verification testing: Technical and Performance verification testing in severe soils will be conducted on the Bidder's supplied detector, by the DND evaluation team, with the detector operated in accordance with (IAW) Original Equipment Manufacturer (OEM) procedures. This phase will be performed in Mozambique.

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.

Included: Yes: _____

3. COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS REQUEST FOR PROPOSAL (MANDATORY)
4. Please note that the requirements of the Federal Contractors Program for Employment Equity may apply - (see Part 5).
5. Instruction to Bidder:
 - (a) Bidders must provide two (2) complete CEMD's at no additional cost to Canada, as defined in Annex B, to undergo verification testing of key technical and performance requirements by the DND TA. In addition, Bidder may include any spare parts that may be deemed necessary in the event of a breakage during verification testing. Proposals will only be considered for cost evaluation if samples are provided. Detectors must be sent to DRDC Suffield PO Box 4000, Station Main Medicine Hat, AB, Canada, T1A 8K6, c/o Kevin Russell within 30 days of bid closing.

Agreed: Yes _____

- (b) Bidder must provide Canada with written authority to allow shipping and return of bidder provided sample detectors to Mozambique. The cost of shipping the detectors to and from Mozambique from DRDC Suffield will be borne by Canada.

Agreed: Yes _____

- (c) Bidder must be responsible for the return shipment of any provided sample detectors to any location outside of Canada upon completion of all verification testing. DND can make the samples available at any location within Canada that is convenient for the Bidder.

Agreed: Yes _____

1.1.1 Mandatory Technical Criteria

See Annex C - Mandatory Specifications for a combat engineer metal detector (CEMD)
See Annexe C-1 - Combat Engineer Metal Detector (CEMD) Usability Trial Plan

1.1.2 Point Rated Technical Criteria

See Annex C-2 - Point Rated Criteria

1.2 Financial Evaluation

- a) prices will be evaluated in Canadian Funds including excise taxes, Canadian Customs Duty (if applicable) and applicable taxes excluded. 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 (Edmonton, Alberta) .
- c) for bid evaluation purposes only, the total bid price will be determined by adding the cost of the firm quantity of the three (3) items with the cost of the optional quantities of item 2.

2. Basis of Selection - Lowest Price Per Point

1. To be declared responsive, a bid must:
- (a) comply with all the requirements of the bid solicitation;
- (b) meet all mandatory technical evaluation criteria; and

-
- (c) obtain the required minimum of 20 points overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of 100 points

2. Bids not meeting (a) or (b) or (c) will be declared non-responsive. Neither the responsive bid that receives the highest number of points nor the one that proposed the lowest price will necessarily be accepted. The responsive bid with the lowest evaluated price (including the option) per point will be recommended for award of a contract.

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The table below illustrates an example where all five bids are responsive and the selection of the contractor is determined by lowest price per point.

Basis of Selection - Lowest Price Per Point

Bidder	Usability Trial Plan (RI) (max = 50)	Rated Performance Criteria (2 to R11) (max = 50)	Total Points (max = 100)	Cost	Cost per point	Rank
1	21.5	36.9	58.4	\$2,400.00	41.1	2
1	26.1	36.5	62.6	\$4,000.00	63.9	7
2	11.9	34.5	46.4	\$3,000.00	64.7	8
3	13.7	44	57.7	\$2,800.00	48.5	3
4	29	35	64	\$2,500.00	39	1
4	16.9	30.5	47.4	\$2,500.00	52.8	5
4	7.5	48	55.5	\$3,500.00	63.1	6
5	10.7	34	44.7	\$2,200.00	49.2	4

Note 1: Bidders can provide more than one model

Note 2: During the Usability Trial, the operator of the detector will be recorder for each run.

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.

1. Certifications Required Precedent to Contract Award

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.

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_equality/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.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

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

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\)-Labour's website](#).

Date: _____(YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

COMPLETE BOTH A AND B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a federally regulated employer being subject to the Employment Equity Act.
- A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

- A5.1 The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.

OR

- A5.2 The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity

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(LAB1168), duly signing it, and transmit it to ESDC-Labour.

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B. Check only one of the following:

B1. The Bidder is not a Joint Venture.

OR

B2. The Bidder is a Joint Venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement applicable to this contract.

2. Statement of Work

2.1 Statement of Work

All work stated under Requirement below is to be provided as outlined in Annex A- Statement of Work.

3. Requirement

3.1 Requirement

The Contractor must provide the items detailed under Annex B - Requirement / Basis of Payment.

3.2 The Contractor grants to Canada the irrevocable option to purchase up to an additional three (3) session training (item 2) under the same terms and conditions and at the prices stated in Annex B - Requirement / Basis of Payment. 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 one (1) year after contract award by sending a written notice to the Contractor.

3.3 Manuals

3.3.1 Operator Manual

The Contractor must deliver the Operator Manual in accordance with Annex A-3, DID CEMD-ILS-207 and Annex A-4, CDRL CEMD-ILS-207.

3.3.2 Maintenance Manual

The Contractor must deliver the Maintenance Manual in accordance with Annex A-3, DID, CEMD-ILS-208 and Annex A-4, CDRL CEMD-ILS-208.

3.3.3 Illustrated Parts Manual

The Contractor must deliver the Illustrated Parts Manual in accordance with Annex A-3 DID CEMD-ILS-209 and Annex A-4, CDRL CEMD-ILS-209.

3.4 Training

The Contractor must provide operator and maintainer Training Sessions (Train-the-Trainer type) at Canadian Forces School of Military Engineering, Gagetown N.B, Canada.

The training must consist of one (1) training session for Operators and one (1) training session for Technician (train-the-trainer types) given to up to sixteen (16) students per course.

The training must be provided in English by a bilingual instructor in order for him to be able to understand and answer questions from the class in both official languages; English and Canadian French.

The course must include all training relating to setup, operation, safety precautions, and first and second level maintenance.

All training materiel provided must be available in English and Canadian French.

The Contractor must deliver the following:

3.4.1 Operator Training Package

The Contractor must deliver the Operator Training Package in accordance with Annex A-3, DID CEMD-ILS-210 and Annex A-4, CDRL CEMD-ILS-210.

3.4.2 Technician Training Package

The Contractor must deliver the Technician Training Package in accordance with Annex A-3, DID CEMD-ILS-211 and Annex A-4, CDRL CEMD-ILS-211.

3.5 Publication

The Contractor must provide as a minimum all technical publications for operation, maintenance and parts list of the deliverable end item as determined by the DND Technical Authority (see Annex A-6).

3.6 Data Format

3.6.1 All data delivered as part of the SOW, other than those with specific requirements, must be prepared in the Contractor's own format. All documentation must be submitted in hardcopy and in electronic format using software, which is authorized by the DND. Delivery media containing compressed files must also contain the decompression software.

3.6.2 Unless otherwise specified as a specific requirement, the Contractor must deliver all of the soft copies of data deliverables, in formats compatible with the office software currently in use by the DND as listed in Annex A-1 - DND Office Software List.

3.6.3 Those compatible formats must allow the files to be recognized, opened, and viewed or read in their intended form and format using DND's office software, as well as allowing the user to modify, select, copy and paste information from the files to other DND office software files.

4. 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.

4.1 General Conditions

2010A (2014-06-26) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

5. Term of Contract

5.1 Delivery Date

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

6. Authorities

6.1 Contracting Authority

The Contracting Authority for the Contract is:

Monique Gosselin
Public Works and Government Services Canada
Acquisitions Branch
Commercial Consumer Products Directorate
11 Laurier Street, 6A2, Phase III
Place du Portage, Gatineau, Quebec, K1A 0S5

Telephone: (819) 956-3803
Facsimile: (819) 956-3814
E-mail address: monique.gosselin@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.

6.2 **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.

6.3 **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.

6.4 **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: _____

7. Payment

7.1 **Basis of Payment - Firm Price**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm lot prices, as specified in Annex B - Requirement / Basis of Payment for a cost of \$ _____ **(to be filled in only 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.

7.2 SACC Manual Clauses

C2000C	Taxes - Foreign-Based Contractor	2007-11-30
H1001C	Multiple Payment	2008-05-12

8. Invoicing Instructions / Progress Reports

8.1 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 following address for certification and payment.

National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel by Drive
Ottawa, Ontario
K1A 0K2
Attn: DLP 5-5-1

(b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

8.2 Progress Reports

1. The Contractor must submit monthly reports, in electronic format, on the progress of the Work, to both the Technical Authority and the Contracting Authority.

2. The progress report must contain the following:

The Contractor must answer the following three questions:

- i. Is the project on schedule?
- ii. Is the project within budget?
- iii. Is the project free of any areas of concern in which the assistance or guidance of Canada may be required?

Each negative response must be supported with an explanation.

9. Certifications

9.1 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.

9.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

10. 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.

11. 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 (2014-06-26) General Conditions - Goods (Medium Complexity);
- (c) Annex A , Statement of Work ;
- (d) Annex A-1, DND Office Software List;
- (e) Annex A-2, Integrated Logistic Support (ILS);
- (f) Annex A-3, Data Item Description (DID);
- (g) Annex A-4, Contract Data Requirement List (CDRL);
- (h) Annex A-5, Commercial Engineering Drawings and Associated Lists for CEMD;
- (i) Annex A-6, Generic Statement of Work for Publications;
- (j) Annex B, Requirement / Basis of Payment;
- (k) Annex C, Mandatory Specifications for a combat engineer metal detector (CEMD); and
- (l) the Contractor's bid dated _____

12. Defence Contract

SACC Manual clause A9006C (2012-07-16) Defence Contract

13. SACC Manual clause

A1009C	Work Site Access	2008-05-12
A2000C	Foreign Nationals (Canadian Contractor)	2006-06-16
A2001C	Foreign Nationals (Foreign Contractor)	2006-06-16
A9062C	Canadian Forces Site Regulations	2011-05-16
A9068C	Government Site Regulations	2010-01-11
A9131C	Controlled Goods Program - Contract	2014-06-26
B1501C	Electrical Equipment	2006-06-16
B4060C	Controlled Goods	2011-05-16
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian-based Contractors	2011-05-16
D5545C	ISO 9001:2008 - Quality Management Systems - Requirements (Quality Assurance Code C)	2010-08-16
D9002C	Incomplete Assembly	2007-11-30

14. Shipping Instructions**14.1 Shipping Instructions - Delivery at Destination**

1. Goods must be consigned to the destination specified in the Contract and delivered: Delivered Duty Paid (DDP) (Edmonton, Alberta) 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.

14.2 Preparation for delivery

1. The equipment must be serviced, adjusted and delivered in condition for immediate use.
2. All equipment delivered is to be delivered by appointment only between the hours of 8:00 am and 4:00 pm Monday through Friday, except Federal holidays. Any attempt by the carrier to deliver the equipment without an appointment may be refused unless arrangements have been made for authorized, qualified personnel to be available to perform inspections and to accept the delivery. When the carrier is required to return due to its failure to make an appointment for delivery, Canada will not be liable to pay for any additional costs.

ANNEX A

STATEMENT OF WORK

1. SCOPE

1.1. Purpose

1.1.1. The purpose of this Statement of Work (SOW) is to define the work requirements for the evaluation and procurement of a new Combat Engineer Metal Detector (CEMD) that will replace the existing detectors currently used by the Canadian Armed Forces (CAF).

1.1.2. The CEMD Replacement Project will acquire:

- a. Six hundred (600) metal detectors and associated ancillary equipment; and
- b. Two years of related Integrated Logistics Support (ILS).

1.2. Background

1.2.1. Landmines are used around the world by states and non-state entities to restrict movement, deny access to areas, and to cause casualties. In addition, Unexploded Ordnance (UXO) is an issue in many post-conflict areas and Improvised Explosive Devices (IED) is a major threat to the CAF in theatre. Most of the time, these devices are made of metal or contain a minimum of metallic components readily available such as military ordnance, metallic mines, remote control initiators, wires and steel pressure plates.

1.2.2. Metal detectors are still a significant asset for detection of these threats. This detection capability is actually provided since 2002 by the Minelab F1A4 used by the Combat Engineers and by the CEIA Lightweight Compact Metal Detector (LCMD) since 2009.

1.2.3. The F1A4 is at the end of its operational life. It has become obsolete as the Original Equipment Manufacturer (OEM) has stopped supporting it in 2010. This system is sensitive and effective in any soil conditions but it also has some operational deficiencies: it requires a high level of training, it takes a significant amount of time to be ready to use in all conditions, it is too large and heavy for dismounted operations, and its performance is significantly degraded by proximity to the Electronic Countermeasures (ECM).

1.2.4. The LCMD also suffers from several deficiencies including mechanical failures in sandy conditions, degradation of performance when battery strength is getting low and, most significantly, its performance is unpredictable while operating in soils with varying magnetic properties.

1.2.5. This project will provide the Army's Combat Engineers with a modern, effective, lightweight metal detector, capable of functioning in a diverse and worldwide environment. A simple, robust and capable detector regardless of soil conditions or electromagnetic interferences will reduce the risk of casualties from explosive hazards on operations across the spectrum of conflict. Only proven systems already in service with the armies of NATO countries or newer versions of those same systems will be considered. This would provide improved interoperability, standardized operating procedures and reduced operating costs.

1.3. Acronyms

1.3.1. The following acronyms were used in this document:

AIR	Action Item Report
AP	Anti Personnel
AT	Anti Tank
CA	Contracting Authority
CAF	Canadian Armed Forces
CEMD	Combat Engineer Metal Detector
CFTO	Canadian Forces Technical Order
CDRL	Contract Data Requirement List
COTS	Commercial Off the Shelf
DCSEM	Director Combat Support Equipment Management
DCIEM	Defence and Civilian Institute of Environmental Medicine
DGLEPM	Director General Land Equipment Program Management
DID	Data Item Descriptions
DND	Department of National Defence
DSCO	Director Supply Chain Operations
EHS	Environmental, Health and Safety
EHSMS	Environmental, Health and Safety Management System
EOD	Explosive Ordnance Disposal
CEMD	Combat Engineer Metal Detector
IAW	In Accordance With
IED	Improvised Explosive Device
ILS	Integrated Logistic Support
IP	Initial Provisioning
ISP	Interim Spares List
ITD	Issue Tracking Database
ITOP	International Test Operations Procedure
LCMD	Lightweight Compact Metal Detector
MOTS	Military-Off-The-Shelf
MSDS	Material Safety Data Sheet
OEMPWGSC	Original Equipment ManufacturerPublic Works and Government Services Canada
RA	Requisition Authority
RFP	Request For Proposal
RSPL	Recommended Spare Parts List

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SIM

Simulated Mine

SOW	Statement Of Work
SPTD	Supplementary Provisioning Technical Documentation
TA	Technical Authority
UXO	Unexploded Ordnance

2. APPLICABLE DOCUMENTS

2.1. Applicability

2.1.1. The following documents form part of this SOW to the extent specified herein and must be considered supplemental if not specifically identified in the text.

2.1.2. Whereas mentioned, the following Standards Must be used for the preparation of deliverables to the extent specified in this SOW:

Provided by Canada:

A-AD-100-100/AG-000	National Defence Publishing Policy and Administration Procedures 1991-10-15
A-EN-007-000/FP-001	DND Environmental Assessment Manual
C-01-100-100/AG-005	Specification - Acceptance of Commercial and Foreign Government Publications as Adopted Publications
C-01-100-100/AG-006	Specification - Writing, Format and Production of Technical Publications
C-01-000-100/AG-004	Production and Acquisition of Engineering Data
D-LM-008-002/SF-001	Specification for Marking for Storage and Shipment
D-LM-008-011/SF-001	Preparation and Use of Packaging Requirements Codes 1988-11-10
D-01-100-204/SF-000	Specification for Preparation of Preventive Maintenance Instructions 2000-10-31
D-01-100-205/SF-000	Specification for Preparation of Corrective Maintenance Instruction 2000-10-31
D-01-100-207/SF-002	Preparation of Interim Illustrated Parts Manuals for Land Equipments, 1996-07-12
D-01-100-214/SF-000	Specification for Preparation of Provisioning Documentation of Canadian Forces Equipment
D-01-100-215/SF-000	Specification for Preparation of Materiel Change Notices (MCN) for Canadian Forces Equipment 202-05-01
D-01-400-002/SF-000	Levels of Engineering Drawings and Associated Lists 2011-03-01
D-02-002-001/SG-001	Identification Marking of Canadian Military Property 2003-04-01
DGLEPM EHSMS	Divisional Instruction 600-04 - Environmental, Health & Safety Assessment

Commercially available:

AECTP-200-3	Environmental Conditions
CEN CWA 14747	Comité Européen de Normalisation - Humanitarian Mine Action Test and Evaluation - Metal Detectors (English Version) June 2003
ITOP 4-2-521	Target Standardization for Countermining and Humanitarian Demining Testing
FED-STD-595B	Colors Used In Government Procurement

3. REQUIREMENTS**3.1. Overview**

3.1.1. This section describes the work tasks required by the Contractor to supply the CEMD along with associated accessories, test equipments and tools, related ILS and training, support services, and documentation.

3.1.2. The Contractor must deliver the CEMD meeting all the performance requirements detailed in Annex C - Mandatory Specifications for the CEMD. A unit of CEMD consists of following elements:

- (a) The detector;
- (b) Battery set;
- (c) Headset;
- (d) Hard Transport Case;
- (e) Soft Carry Case;
- (f) Operator tools; and
- (g) Operator / Repair / Procedural Manual with Parts List.

3.1.3. The Contractor must be responsible for the delivery of publications and data deliverables IAW Annexes A-2, A-3 and A-4.

3.1.4. The Contractor must provide training, generate and deliver training materials IAW PART 3 - BID PREPARATION INSTRUCTIONS, section 1.1., para 1.1.2.

3.2. Instruments, Decal and Data Plates and Warnings

3.2.1. All instruments, decals and data plates must be marked in metric units. Where international symbols are not possible, bilingual markings in English and Canadian French are required. Warning and precautionary data plates must be provided in both official languages of Canada - English and Canadian French where necessary to protect personnel, and equipment.

3.3. Environmental Health and Safety (EHS)

- 3.3.1. Environmental Health and Safety (EHS) consideration must be incorporated and documented, and maintained within the project file throughout the life of this Contract. The Contractor must provide for and allow DND inspection and monitoring of EHS documentation throughout the life of the contract.
- 3.3.2. Polychlorinated Biphenyls (PCBs), halocarbons (Ozone-Depleting Substances Regulations, 1998), and asbestos are not to be incorporated into the design, operation and maintenance of the equipment, or products used in equipment support activities.
- 3.3.3. The Contractor must identify and report all sources of mercury contained or used within the design, operation and maintenance of the equipment, or products used in equipment support activities.
- 3.3.4. The Contractor must comply with Department of National Defence (DND) policies, orders, directives, instructions and best practices when accessing DND owned or controlled lands, buildings or equipment.
- 3.3.5. Canada Labour Code, Part II dictates that the least hazardous materials should be used at the workplace. Therefore, the Contractor is to strive to use the least hazardous product that meets the requisite performance requirements.
- 3.3.6. The Contractor must include Material Safety Data Sheets (MSDS) with the bid submission, for each hazardous product/material which are used in the operation and maintenance of the system, that fall under the Hazardous Products Act, R.S.C. 1985, c. H-3 and regulation(s) there under in accordance with the said Act and regulation(s), at minimum.
- 3.3.7. New or amended support documentation such as Canadian Forces Technical Orders (CFTOs) must incorporate appropriate EHS warnings and instructions in direct relation of the EHS risks presented in the contents.
- 3.3.8. It is the Contractor's responsibility to ensure that specifications, standards, support documents and test programs are reviewed for EHS compliance.
- 3.3.9. The Contractor must prepare and deliver an Environmental Health and Safety Impact Report (EHSIR), in accordance with DID CEMD PM-001 in Annex A-3 and its associated CDRL CEMD PM-001 in Annex A-4, on the provided systems.

3.4. Project Management

3.4.1. Project Manager

3.4.1.1. The Contractor must designate a project manager with the responsibilities to coordinate, execute, and manage the Contractor's project management activities for the Contract. The Contractor's Project Manager must have the total responsibility for all work required under the Contract.

3.4.1.2. The Contractor's Project Manager must be the primary point of contact between the Contractor and the DND Technical Authority (TA), Purchasing Authority (PA) and the PWGSC Contracting Authority (CA) for all issues related to the Contract.

3.4.2. Project Meetings

3.4.2.1. The Contractor must ensure that data, personnel and facilities are available for each meeting.

3.4.2.2. As appropriate, meetings may be held at the Contractor or DND facilities at the discretion of the TA.

3.4.2.3. The Contractor's Project Manager must be present at all meetings. If the Project Manager does not have final approval authority for decision making and changes, then the person that has that final approval authority must also be present at all meetings.

3.4.2.4. Where possible, teleconferencing or video conferencing must be used for conducting meetings as approved by the CA.

3.4.2.5. The Contractor must monitor the action items after each meeting and report to the CA and copy the TA when necessary IAW the meetings decisions.

3.4.3. Kick-Off Meeting

3.4.3.1. The Contractor must host a Kick-off Meeting no later than twenty-one (21) calendar days after contract award to review and secure a common understanding of the requirements expressed in all, but not limited to, the following areas:

- (a) The Contract;
- (b) SOW;
- (c) Project Management Issue;
- (d) Warranty Support Plan; and
- (e) Any other contractual or programmatic issues associated with the project as agreed between the DND TA, PWGSC PA and the Contractor.

3.4.4. Meeting Documentation

3.4.4.1 The Contractor must prepare and deliver meeting agenda for each meeting at least seven (7) calendar days before each meeting.

3.4.4.2 The Contractor must record, prepare, and deliver the minutes of each meeting containing following information, as a minimum, within fourteen (14) calendar days of the meeting:

- (a) General - including meeting identification number, purpose, date, time, and location;
- (b) Attendees;
- (c) Opening Remarks;
- (d) Agenda Review;
- (e) Review of previous minutes;
- (f) Discussion topics - including a summary record of proceedings, discussions, decisions, information addresses, action addresses and action completion date, for each item;
- (g) EHS issues;
- (h) Next venue;
- (i) Closing remarks; and
- (j) Signature of Contractor's Project Manager, Signatures of Contracting Authority (CA), and DND Technical Authority (TA).

3.4.4.3 No change in the interpretation of the Project, SOW, cost, or schedule, as defined in the Contract, may be authorized by the minutes of a meeting. Such action must require formal Contract amendment by the CA.

3.4.5. Issue Tracking Database

3.4.5.1 The Contractor must establish and maintain an Issue Tracking Database (ITD) to be used to monitor issues, assign responsibility, direct action and track status. The ITD must electronically store Action Item data in a searchable, structured database in MS Access 2003 format or exportable to MS Access 2003. The ITD must be used to maintain a repository of historical information and to generate an Action Item Report (AIR) in each case.

3.5. Integrated Logistics Support (ILS)

3.5.1. ILS Statement of Work

3.5.1.1. The Contractor must provide all technical publications, data deliverables, training, and services as outlined in Annex A-2, CEMD ILS SOW, and associated ILS CDRL and DID, Annexe A-3 and A-4.

3.5.1.2. The Contractor must prepare and deliver a Technical Publications Package for the CEMD comprising of an Operator Manual, Maintenance Manual, and Illustrated Parts

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Manual as detailed in Annex A-2, CEMD ILS SOW and associated ILS CDRL and DID.

3.5.1.3. The Contractor must deliver all Technical Publications in North American English (Canadian or US) and French (Canadian).

3.5.1.4. The Contractor must follow Annex A-6, Generic SOW for Publications for CEMD as a guide for all technical publications.

3.5.2. Identification Plates

3.5.2.1. The Contractor must ensure that all required identification nameplates or markings are affixed to each CEMD prior to delivery.

3.5.2.2. The Contractor must prepare and provide all required identification nameplates or markings IAW Annex A-2, CEMD ILS SOW.

3.5.3. Engineering Drawings and Associated Lists

3.5.3.1. The Contractor must prepare and deliver for acceptance Level-II drawings and associated lists for the CEMD IAW Annex A-5, Commercial Engineering Drawings and Associated Lists for CEMD replacement within one hundred and twenty (120) calendar days following the Contract award.

3.5.3.2. The Contractor must prepare and deliver for acceptance a General Assembly Drawing for the CEMD within thirty (30) days after the Kick-off meeting.

ANNEX A-1**DND OFFICE SOFTWARE LIST**

This annex lists the office software and operating system used by the DND TA. The following are the list of office software being used by DND:

1. Microsoft (MS) Windows XP Professional Operating System (OS), Multilingual Pack, associated Software Patches (SP);
2. MS Internet Explorer (IE) 7.0 with 128 Bit Encryption and associated SP;
3. MS Office 2003, Professional Edition, SP-2, Multilanguage Pack (Word, Excel, Access, PowerPoint and Outlook);
4. MS Project 2003;
5. Quickview Plus 6.0;
6. Adobe Acrobat 6.0;
7. MS Visio 2000 (6.0);
8. WinZip 8.1 SR-1; and
9. Telelogic DOORS 8.1

ANNEX A-2

INTEGRATED LOGISTICS SUPPORT (ILS)

1.1 Integrated Logistics Support (ILS)

The Contractor must implement and maintain an Integrated Logistic Support (ILS) Program for the duration of the Contract period.

1.1.1 Maintenance Concept

The Maintenance Concept is the most important element of the support concept for equipment. It is imperative that the Contractor understand the maintenance concept, it will allow him to produce and deliver professional and accurate ILS deliverables.

The maintenance concept for the CEMD is based on two different levels of repairs. Based on the definition of levels or repairs below, the Contractor must define the appropriate level of repairs for each maintenance task.

In absence of maintenance tasks analysis report, the Contractor must use its experience and knowledge to properly define the appropriate level of repairs. In the case where the Contractor is not the OEM, he must ensure he gets all information required to properly define level of repairs.

DND technicians will perform Level One and Level Two repairs.

Level of Repairs definitions:

Level One. Level one includes Operator and Technician maintenance which principally includes preventive maintenance, inspection, servicing, preliminary diagnosis of faults, and corrective maintenance. Level One Repairs are considered tasks of a minor nature. The term "minor nature" infers short duration (less than four hours) and relatively simple repairs.

Level Two. Level two includes principally corrective maintenance carried out by the replacement of major assemblies. The duration of tasks is usually limited to 24 hours.

1.1.2 Supply Support

1.1.2.1 Initial Provisioning Guidance Conference (IPGC)

The Initial Provisioning Guidance Conference provides an opportunity for all of the participants in the provisioning process to meet and coordinate their activities. It involves the Crown, the contractor and major subcontractors.

1.1.2.2 The Contractor must host an IPGC no later than twenty (21) calendar days after contract

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1.1.2.3 Provisioning Parts Breakdown

The Contractor must deliver a Provisioning Parts Breakdown (PPB) IAW Annex A-3 - DID, CEMD-ILS-201 and Annex A-4 - CDRL, CEMD-ILS-201.

1.1.2.4 Supplementary Provisioning Technical Documentation (SPTD)

The Contractor must deliver Supplementary Provisioning Technical Documentation (SPTD) for each item appearing in the provisioning documentation IAW Annex A-3 - DID, CEMD-ILS-202 and Annex A-4 - CDRL, CEMD-ILS-202.

1.1.2.5 Initial Provisioning Conference (IPC)

Initial Provisioning Conferences are held to verify the configuration of equipment being provisioned and to examine provisioning data and select the necessary range and depth of spares.

The Contractor must convene an IPC at its facilities no later than twenty (21) calendar days after acceptance of the PPB and associated documentation.

For the Conference, the Contractor must provide:

- a) A suitable conference room;
- b) A copy of the provisioning lists to be discussed;
- c) A copy of the supporting SPTD;
- d) The equipment for physical examination, if feasible;
- e) Any relevant Material Change Notices (MCNs);
- f) Any relevant technical data regarding modifications or variants; and
- g) Engineering and product support expertise from the original equipment manufacturer.

1.1.2.6 Special Tools & Test Equipment (STTE)

The Contractor must deliver a Special Tools and Test Equipment (STTE) List IAW Annex A-3 - DID, CEMD-ILS-203 and Annex A-4 - CDRL, CEMD-ILS-203.

1.1.2.7 Identification Plates

The Contractor must submit representative Level 2 engineering drawings, as defined in D-01-100-214/SF-000, of every Identification Plate designed IAW Annex A-3 - DID, CEMD-ILS-204 and Annex A-4 - CDRL, CEMD-ILS-204.

Once the Identification Plate designs are approved, the Contractor must ensure that all CEMD associated components have those required Identification Plates or markings IAW Section 10.1 of DID CEMD-ILS-204, prior to being delivered to DND.

1.1.2.8 Packaging, Labels and Codes

All parts and equipment supplied by the Contractor to DND must be packaged as per D-LM-008-001/SF-001. Preservation and Packaging Levels must be selected based on criteria set out in Annex A of the referenced specification.

Packaging must be labeled as per D-LM-008-002/SF-001, using D-LM-008-011/SF-001 to prepare the required packaging and preservation codes.

Contractor must provide copies of the labels IAW Annex A-3 - DID, CEMD-ILS-205 and Annex A-4 - CDRL, CEMD-ILS-205 for review and approval prior to their production and use.

The Contractor must provide a list of all Packaging Codes IAW Annex A-3 - DID, CEMD-ILS-205 and Annex A-4 - CDRL, CEMD-ILS-205.

1.1.3 Publications

1.1.3.1 Publication Translation: The Contractor must have all Technical Publications listed within 5.4 translated by certified translators, such as members of an authorized provincial association of translators to ensure the quality of translated text. The translator must have technical knowledge and understand the use and functioning of the CEMD.

The Contractor must ensure all translations are consistent with approved DND terminology. Approved terminology sources, in order of priority, are as follows:

- Defense Terminology Management System (DTMS) terminology bank; (<http://terminology.mil.ca/term-eng.asp>)
- Concise Oxford Dictionary (for English);
- Petit Robert (for Canadian French);
- Termium, PWGSC Translation Bureau Linguistic Data Bank (http://termiumplus.gc.ca/site/accueil_home_e.html); and
- Any other available source approved by DND.

1.1.3.2 Copyright Release: The Department of National Defense reserves the right to reproduce, in part or in whole, all publications produced under Annex A, para 3.5.1.2. Supply of the publications must include a royalty-free, irrevocable copyright release with rights of translation in English and/or French (refer to A-AD-100-100/AG-000) with the limitation that the data must not be released outside the Canadian Government if the supplier so states.

Certificates: The Contractor must prepare and deliver Certificates of (refer to C-01-100-100/AG-006):

- a. Validation (DND 590) for submission to CA;
- b. Translation Accuracy Check (TAC);
- c. Reproducible Copy (DND 642) and;

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d. Compliance (DND 591).

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1.1.4 Warranty Support Plan

The Contractor must deliver a Warranty Support Plan IAW Annex A-3 - DID, CEMD-ILS-212 and Annex A-4 - CDRL, CEMD-ILS-212.

1.2 Repair and Overhaul Plan

The Contractor must deliver a Repair and Overhaul Plan IAW DID CEMD-ILS-213 and CDRL CEMD-ILS-213.

AGREED TO ANNEX A-2: YES _____

ANNEX A-3

DATA ITEM DESCRIPTION (DID)

1. DID Definitions

The following section defines the various blocks of information found on the Data Item Description (DID) forms:

BLOCK 1 - TITLE

The title of the data item for the DID.

BLOCK 2 - IDENTIFICATION NUMBER

The Data Item Description (DID) number, consisting of a sequential three-digit number and prefixed with an abbreviation code, to uniquely identify the DID. Note that the 001-099 series is reserved to Project Management (PM) DIDs, the 101-199 series is reserved to Systems Engineering (SE) DIDs and the 201-299 series is reserved to Integrated Logistics Support (ILS) DIDs. The abbreviation codes used for the prefix are:

"PM" for Project Management

"SE" for Systems Engineering

"ILS" for Integrated Logistics Support

BLOCK 3 - DESCRIPTION

Provides a general description of the data content requirements.

BLOCK 4 - APPROVAL DATE

Indicates the date of the originator's approval of the DID.

BLOCK 5 - OFFICE OF PRIMARY INTEREST (OPI)

The office of primary interest for the review, acceptance and/or approval of the data item.

BLOCK 6 - GIDEP APPLICABLE

An "X" indicates that the data is to be submitted by a Government organization or the Contractor to the Government/Industry Data Exchange Program (GIDEP). Otherwise the block is left blank.

BLOCK 7 - APPLICATION / INTERRELATIONSHIP

Provides the application details and interrelationship of the data item to other DIDs or documents.

BLOCK 8 - ORIGINATOR

Indicates the originator's office responsible for the DID.

BLOCK 9 - APPLICABLE FORMS

Indicates any form associated with the DID.

BLOCK 10 - PREPARATION INSTRUCTIONS

Provides the preparation instructions, including format and content requirements for the data.

2. List of DIDs

The following section lists the DIDs (Block 1 - Title) attached to this Appendix, including their DID number (Block 2 - Identification Number) as well as their associated calling Contract Data Requirements List (CDRL) number:

DID #	Title	CDRL #
CEMD-ILS-201	Provisioning Parts Breakdown	
CEMD-ILS-201		
CEMD-ILS-202	Supplementary Provisioning Technical Data	
CEMD-ILS-202		
CEMD-ILS-203	Special Tool & Test Equipment	
CEMD-ILS-203		
CEMD-ILS-204	Identification Plates	
CEMD-ILS-204		
CEMD-ILS-205	Packaging, Label and Codes	
CEMD-ILS-205		
CEMD-ILS-206	Quick Reference Guide	
CEMD-ILS-206		
CEMD-ILS-207	Operator Manual	
CEMD-ILS-207		
CEMD-ILS-208	Maintenance Manual	
CEMD-ILS-208		
CEMD-ILS-209	Illustrated Parts Manual	
CEMD-ILS-209		
CEMD-ILS-210	Operator Training Package	
CEMD-ILS-210		
CEMD-ILS-211	Technician Training Package	
CEMD-ILS-211		
CEMD-ILS-212	Warranty Support Plan Package	CEMD-ILS-212
CEMD-ILS-213	Repair and Overhaul Plan	
CEMD-ILS-213		

DATA ITEM DESCRIPTION		
1. TITLE Provisioning Parts Breakdown (PPD)	2. IDENTIFICATION NUMBER: CEMD-ILS-201	
3. DESCRIPTION/PURPOSE The Provisioning Parts Breakdown provides a top down breakdown of the equipment in the configuration in which it is being procured. This breakdown is accomplished by listing all parts included in the end item in a lateral and descending family tree/generation breakdown. In this breakdown, all assemblies, subassemblies and parts are listed in relation to the next higher assembly.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Provisioning Parts Breakdown as required by Annex A-2. • D-01-100-214/SF-000. <i>Preparation of Provisioning Documentation.</i>		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS 10.1 FORMAT 10.1.1 The Provisioning Parts Breakdown (PPB) must be prepared a Microsoft Excel Spreadsheet in accordance with CF Specification D-01-100-214/SF-000. If any discrepancies are noted between this DID and publication, this DID will prevail. 10.2 CONTENT 10.2.1 The Provisioning Parts Breakdown must contain the data elements specified in all mandatory fields of Figure 5, column PPB, of D-01-100-214/SF-000 for each item considered for provisioning. 10.3 ELECTRONIC FORMAT The Provisioning Parts Breakdown in a Microsoft Excel Spreadsheet must be submitted on CD or DVD media, which must be labelled as follows: a. The project name: CEMD; b. The contract number: c. The Subject Matter: Provisioning Parts Breakdown (PPB); d. The DID number: CEMD-ILS-201 e. The Revision number; and		

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f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Supplementary Provisioning Technical Documentation (SPTD)	2. IDENTIFICATION NUMBER: CEMD -ILS-202	
3. DESCRIPTION/PURPOSE The Supplementary Provisioning Technical Documentation (SPTD) fully identifies and describes part(s) that may be catalogued.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Supplementary Provisioning Technical as required by Annex A - 2. <ul style="list-style-type: none"> • D-01-100-214/SF-000. <i>Preparation of Provisioning Documentation.</i> 		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS <p>10.1 SPTD Requirement. The Contractor must provide SPTD for each item appearing on the Provisioning Documentation (PD) as follows:</p> <p style="margin-left: 40px;">10.1.1 For PPB verification purposes, the Contractor must provide full assembly drawings with attached parts list, so DND can ensure the PPB reflects the current and complete configuration of the equipment being procured.</p> <p style="margin-left: 40px;">10.1.2 For item identification and cataloguing purposes, the technical data supplied for all PD must be sufficiently comprehensive to allow DND to classify and fully describe the item within the NATO codification system and must be cross-referenced to the applicable contract number.</p> <p>10.2 SPTD Provision. The Contractor must deliver the SPTD at the same time as the PPB.</p> <p>10.3 Specifications, standards or engineering drawings. To satisfy the requirement, the Contractor must furnish for each item an applicable recognized industry specification or standard or if a specification does not apply, an engineering drawing preferably equal to Level 3, but at least Level 2. Whenever possible, the specification, standard or engineering drawing prepared by the actual manufacturer of the item must be furnished.</p> <p>Regardless of whether the furnished documentation is a specification, standard or engineering drawing, it must clearly define all applicable features of the item depicted, including:</p> <ul style="list-style-type: none"> a) Configuration; b) Physical characteristics, such as dimensions, tolerances, materiel, mandatory processes, surface finish, protective coatings, etc; 		

- c) Electrical characteristics;
- d) Performance data, e.g; those physical and functional characteristics under specified operating conditions (load, speeds, etc);
- e) Mounting requirements; and
- f) Special features which contribute to the uniqueness of the item.

Note: The information provided must include the NATO Commercial and Government Entity (NCAGE) code or the full name and address of the actual manufacturer of the item and the actual manufacturer's part/reference number.

10.4 ELECTRONIC FORMAT

The SPTD Package in PDF file Format must be submitted on CD or DVD media, which must be labelled as follows:

- a. The project name: CEMD;
- b. The contract number:
- c. The Subject Matter: Supplementary Provisioning Technical Documentation;
- d. The DID number: CEMD ILS-202;
- e. The Revision number; and
- f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Special Tools and Test Equipment	2. IDENTIFICATION NUMBER: CEMD-ILS-203	
3. DESCRIPTION/PURPOSE To provide a list of all special tools and testing equipment required for the operation and maintenance of the CEMD and train personnel.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Special Tools and Test Equipment as required by Annex A-2.		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS		
10.1 CONTENT		
10.1.1 For each required item of STTE, include:		
10.1.1.1 STTE Item Name;		
10.1.1.2 STTE Reference (Manufacturer's Part) Number;		
10.1.1.3 NSCM/CAGE Code;		
10.1.1.4 NSN (if available);		
10.1.1.5 Maintenance Level;		
10.1.1.6 Recommended Buy Quantity;		
10.1.1.7 Standard Unit Price;		
10.1.1.8 Date of First Article Delivery;		
10.1.1.9 Supplementary Provisioning Technical Documentation;		
10.1.1.10 Picture(s) or Drawing(s) of item; and,		
10.1.1.11 Description and Function of STTE		
10.1.2 The above list may be divided into sections as appropriate:		
10.1.2.1 Common Hand Tools;		
10.1.2.2 Special Purpose Tools;		
10.1.2.3 Operations Support Equipment;		
10.1.2.4 Maintenance Support Equipment;		
10.1.2.5 Calibration Equipment;		
10.1.2.6 Test, Measurement and Diagnostic Equipment (TMDE):		
10.1.2.6.1 General Purpose; and		
10.1.2.6.2 Special Purpose;		
10.1.2.7 Automatic Test Equipment (ATE) and its Test Program Set (TPS); and		
10.1.2.8 Computer Resources Support Requirement.		

10.2 Canada will select the STTE items based on analysis and recommendations presented by the Contractor at a time agreed to during the Kick-Off Meeting. This viewing must allow Canada to eliminate any STTE that, although being special to the equipment being purchased, may already be in the CF inventory.

10.3 ELECTRONIC FORMAT

The STTE data must be submitted in both Excel spreadsheet and PDF file format.

The STTE data must be submitted on CD or DVD media that must be labelled as follows:

- a. The project name: CEMD;
- b. The contract number;;
- c. The Subject Matter: Special Tools and Test Equipment;
- d. The DID number: CEMD-ILS-203;
- e. The revision number; and,
- f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Identification Plates	2. IDENTIFICATION NUMBER: CEMD-ILS-204	
3. DESCRIPTION/PURPOSE To uniquely identify equipment and components or spares based on the procedures governing the identification marking of Canadian military property.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) Section 1.01 CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Identification Plates as required by Annex A. <ul style="list-style-type: none"> • D-02-002-001/SG-001- <i>Identification Marking of Canadian Military Property, 2003-04-01;</i> • D-01-400-002/SF-000 – <i>Levels of Engineering Drawings and Associated Lists, 2011-03-01.</i> 		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS		
10.1 The following items must have Identification Plates attached to them prior to being delivered to DND for tracking and accountability within the Canadian Forces Supply System:		
<ul style="list-style-type: none"> 10.1.1 Prime Equipment; 10.1.2 All Major Components; 10.1.3 Spares; 10.1.4 Training Equipment; 10.1.5 Transportation, Shipping, Storage Containers that are not single-use; 10.1.6 Support Equipment (excluding tools); and 10.1.7 Automatic Test Equipment 		
10.2 The Identification Plates affixed to each item listed in 10.1 must have the following data, deemed necessary by Canada, in both official languages of English and French:		
<ul style="list-style-type: none"> 10.2.1 Item Name; 10.2.2 Reference (Manufacturer's Part) Number; 10.2.3 NCAGE code; 10.2.4 Serial Number; 10.2.5 Contract Number; and 10.2.6 Government Ownership Designation. 		
10.3 ELECTRONIC FORMAT		
10.3.1 Viewing the PDF: pages, regardless of size, containing text or illustrations in landscape, must be rotated for electronic viewing and reading in landscape.		

10.3.2 The Identification Plates drawings in PDF and its native file format must be submitted on CD or DVD media, which must be labelled as follows:

- a. The project name: CEMD;
- b. The contract number;
- c. The Subject Matter: Identification Plates;
- d. The DID number: CEMD-ILS-204
- e. The Revision number;
- f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Packaging, Labels and Codes	2. IDENTIFICATION NUMBER: CEMD-ILS-205	
3. DESCRIPTION/PURPOSE To ensure that the labeling used to identify packages for items procured by DND and shipped to or stored at a Canadian facility comply with CF Specifications and to obtain a complete record of packaging codes for catalogued items of the CEMD.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Packaging and Markings as required by Annex A-2 and; <ul style="list-style-type: none"> • D-LM-008-011/SF-001: <i>Preparation and Use of Packaging Requirements Codes, 1988-11-10;</i> • D-LM-008-002/SF-001: <i>Specification for Marking for Storage and Shipment, 1991-08-01;</i> • D-01-400-002/SF-000: <i>Levels of Engineering Drawings and Associated Lists, 2011-03-01.</i> 		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS 10.1 The design, populated with the appropriate data, of each Packaging Label must be provided as Level 1 engineering drawings (as defined in D-01-400-002/SF-000) dimensioned to show the critical measurements as defined by D-LM-008-002/SF-001 (example: text size, bar code dimensions, etc.). 10.2 The Packaging Codes prepared from D-LM-008-011/SF-001 for the Packaging Labels for each item must be compiled into a spreadsheet containing the following columns of data, titled as below: <ul style="list-style-type: none"> 10.2.1 <i>Item Name</i> – as given by the Contractor; 10.2.2 <i>Manufacturer's Reference Number (MRN)</i> – Source manufacturer's part number; 10.2.3 <i>NCAGE</i> – Source Manufacturer's NCAGE; 10.2.4 <i>OEM part number</i> – Part number assigned by Contractor; 10.2.5 <i>NATO Nomenclature</i> – Item name as assigned by NATO; 10.2.6 <i>NATO Stock Number</i>; 10.2.7 <i>Packaging Code</i> – as resolved by the Contractor; 10.2.8 <i>Label Number</i> – cross-referenced with the label drawing number from 10.1 above. 		

10.3 DELIVERY FORMATS

10.3.1 Hard Copy: must be on letter, legal, or 11" x 17" white bond paper, as appropriate for good legibility.

10.3.2 Soft Copy:

10.3.3 Label Drawings: as text-searchable PDF files, rotated as appropriate to permit normal viewing on-screen.

10.3.4 Packaging Codes spreadsheet:

10.3.5 As a text-searchable PDF file, rotated as appropriate to permit normal viewing on-screen; and,

10.3.6 As a MS Excel format spreadsheet.

10.4 ELECTRONIC FORMAT

All files must be submitted on CD or DVD media, which must be labeled as follows:

- a. The project name: CEMD;
- b. The contract number;
- c. The Subject Matter: Packaging Labels and Codes;
- d. The DID number: CEMD-ILS-205;
- e. The Revision number; and
- f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Quick Reference Guide	2. IDENTIFICATION NUMBER: CEMD-ILS-206	
3. DESCRIPTION/PURPOSE The Quick Start Guide must allow the trained CEMD user to quickly unpack, assemble, and safely use the CEMD.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Quick Reference Guide as required by Annex A-2.		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS		
10.1 FORMAT		
The accepted Quick Reference Guide must be provided to the CEMD user as follows:		
10.1.1 as a separate publication;		
10.1.2 laminated for protection;		
10.1.3 be of dimensions that allow the Quick Reference Guide to be packed in the CEMD's carrying case without being folded;		
10.1.4 if multiple pages are required, they are to be firmly bound together so that the Quick Reference Guide remains open at the desired page when laid on a flat horizontal surface; and,		
10.1.5 Produced and printed exclusively in black and white.		
10.2 CONTENT		
10.2.1 The Quick Reference Guide must contain the necessary instructions to allow a trained user to quickly, safely and effectively operate the CEMD.		
10.2.2 The Quick Reference Guide must assume that the CEMD's initial state is: as first removed from the user's carrying case.		

10.2.3 The instructions must be based on pictograms illustrating the sequence of steps required while using only minimal text to assist in the understanding of the document. Desired look and feel would be similar to commercial airline safety pamphlets describing the use of oxygen masks, emergency exits, etc.

10.2.4 The Quick Reference Guide must not introduce new information or procedures relative to the *Operator Manual*: the *Operator Manual* is the master document on how to use the CEMD.

10.2.5 The Quick Reference Guide must contain, ahead of its main content, a cautionary advisory formatted as shown in Figure 2-1-3 of C01-100-100/AG-006.

10.2.5.1 The cautionary advisory's heading must be determined based on the criteria set out in Part 4, Section 2, Para 8 of C-01-100-100/AG-006.

10.2.5.2 The cautionary advisory must read as follows: "**This Quick Reference Guide is intended solely for experienced users who have been trained on this equipment, and have read and understood its Operator Manual** (CFTO# to be supplied by DND). **When in doubt, read the Operator Manual before operating the equipment.**" The cautionary advisory must also include, immediately following this text, a brief description of the consequences of misuse of the equipment, linked to the same criteria listed in 10.2.5.1 above.

10.3 ELECTRONIC FORMAT:

The Quick Start Guide must be submitted in PDF and native file format on CD or DVD media, which must be labeled as follows:

- a. The project name: CEMD;
- b. The contract number;
- c. The Subject Matter: Quick Reference Guide;
- d. The DID number: CEMD-ILS-206;
- e. The Revision number; and
- f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Operator Manual	2. IDENTIFICATION NUMBER: CEMD-ILS-207	
3. DESCRIPTION/PURPOSE The Operator Manual for the CEMD will allow the user to effectively operate the CEMD to its utmost capabilities.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Operator Manual as required by Annex A and C-01-100-100/AG-005, <i>Acceptance of Commercial and Foreign Government Publications as Adopted Publications 1996-02-29</i> .		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS 10.1 FORMAT 10.1.1 The Operator Manual must be prepared in the Contractor's format while being in full conformance with the above-stated issue of C-01-100-100/AG-005. 10.1.2 The National Defence Identification Number (NDID) provided to the Contractor by DND, must be placed on the right top corner of all the pages of the Manual. 10.1.3 The accepted Operator Manual's hard copies must be: 10.1.3.1 furnished with resistant flexible covers; 10.1.3.2 printed on paper with these characteristics: 10.1.3.2.1 Weight: at least 90g/m ² (24 lb.); and, 10.1.3.2.2 Brightness: at least 96 10.1.3.3 bound in a manner that will allow the manual to remain open on a flat surface at any page without pages flipping over inadvertently; and, 10.1.3.4 Of dimensions that will allow the Operator Manual to be packed in the CEMD's carrying case without needing to be folded or otherwise distorted from flat.		

10.2 CONTENT

10.2.1 The Operator Manual must cover the following topics, as well as any other judged pertinent by the Contractor:

- 10.2.1.1 General Description/Equipment Overview;
- 10.2.1.2 Pre-use testing/inspection;
- 10.2.1.3 Preparation and set up for use;
- 10.2.1.4 Use and operation;
- 10.2.1.5 Operator Maintenance;
- 10.2.1.6 Storage, preparation for travel, preservation, and handling procedures
- 10.2.1.7 Safety/Hazardous material issues (if any);

10.2.2 The material covered in 10.2.1 above must be amplified by illustrations, line drawings, and high quality pictures as appropriate.

10.3 ELECTRONIC FORMAT

The Operator Manual must be submitted in its native file format and as a PDF file with searchable text, which matches the printed publication's format and layout. Links, bookmarks and thumbnails are to be included in the PDF file. Any references made to a specific paragraph, figure, appendix, etc., must be appropriately linked.

Viewing the PDF: pages, regardless of size, containing text or illustrations in landscape, must be rotated for electronic viewing and reading in landscape.

The Operator Manual PDF and its native file must be submitted on CD or DVD media, which must be labelled as follows:

- a. The project name: CEMD;
- b. The contract number;
- c. The Subject Matter: Operator Manual;
- d. The DID number: CEMD-ILS-207;
- e. The Revision number; and
- f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Maintenance Manual	2. IDENTIFICATION NUMBER: CEMD-ILS-208	
3. DESCRIPTION/PURPOSE The Maintenance Manual for the CEMD will allow a trained technician to effectively maintain the CEMD system in order for it to be operable to its utmost capabilities.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Maintenance as required by Annex A-2 and <ul style="list-style-type: none"> • D-01-100-205/SF-000 <i>Specification for Preparation of Corrective Maintenance Instruction 2000-10-31;</i> • D-01-100-204/SF-000 <i>Specification for Preparation of Preventive Maintenance Instructions 2000-10-31;</i> • C-01-100-100/AG-005 <i>Acceptance of Commercial and Foreign Government Publications as Adopted Publications 1996-02-29.</i> 		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS 10.1 FORMAT 10.1.1 The Maintenance Manual must be prepared in the Contractor's format and must be in full conformance with the above-stated issue of C-01-100-100/AG-005. 10.1.2 The National Defence Identification Number (NDID) provided to the Contractor by DND, must be placed on the right top corner of all the pages of the Manual. 10.1.3 The accepted Maintenance Manual's hard copies must be: 10.1.3.1 furnished with resistant flexible covers; 10.1.3.2 printed on paper with these characteristics: 10.1.3.2.1 Weight: at least 90g/m ² ; and, 10.1.3.2.2 Brightness: at least 96 10.1.3.3 Bound in a manner that will allow the manual to remain open while on a flat surface at any page without pages flipping over inadvertently.		

10.2 CONTENT

10.2.1 Maintenance

10.2.1.1 The scope of the Maintenance portion of the Maintenance Manual must cover all CEMD maintenance and repair tasks not already covered in the Operator Manual. These tasks must be grouped within the Manual based on the number of hours required to complete them:

10.2.1.1.1 up to four (4) hours per task; and,

10.2.1.1.2 Over four (4) hours, but less than twenty-four (24) hours per task.

10.2.1.2 The Maintenance section must cover the following topics, as well as any other judged pertinent by the Contractor:

10.2.1.2.1 General Description/Equipment Overview;

10.1.1.2.2 Pre-maintenance procedures to safety the CEMD, if any;

10.1.1.2.3 Troubleshooting and testing;

10.1.1.2.4 Basic diagnosis and fault finding;

10.1.1.2.5 Adjustments, maintenance and repairs grouped IAW section 10.2.1 above and presented IAW D-01-100-205/SF-000 and D-01-100-204/SF-000;

10.1.1.2.6 Safety/Hazardous material issues (if any);

10.2.1.3 The material covered in 10.2.1 above must be amplified by illustrations, line drawings, and good quality pictures as appropriate.

10.3 ELECTRONIC FORMAT

The Maintenance Manual must be submitted in its native file format and as a PDF file with searchable text, which matches the printed publication's format and layout. Links, bookmarks and thumbnails are to be included in the PDF file. Any references made to a specific paragraph, figure, appendix, etc., must be appropriately linked.

Viewing the PDF version: pages, regardless of size, containing text or illustrations in landscape, must be rotated for electronic viewing and reading in landscape.

The Maintenance Manual must be submitted on CD or DVD media, which must be labelled as follows:

- a. The project name: CEMD;
- b. The contract number;
- c. The Subject Matter: Maintenance Manual;
- d. The DID number: CEMD-ILS-208;
- e. The Revision number; and
- f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Illustrated Parts Manual	2. IDENTIFICATION NUMBER: CEMD-ILS-209	
3. DESCRIPTION/PURPOSE The Illustrated Parts Manual for the CEMD must contain all the necessary information to positively identify all parts of the CEMD.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Illustrated Parts Manual as required by Annex A-2 and D-01-100-207/SF-002, <i>Preparation of Interim Illustrated Parts Manuals for Land Equipments.</i>		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS		
10.1 FORMAT		
10.1.1 The Illustrated Parts Manual must be prepared in full conformance with the above-stated issue of D-01-100-207/SF-002.		
10.1.2 The National Defence Identification Number (NDID) provided to the Contractor by DND, must be placed on the right top corner of all the pages of the Manual.		
10.1.3 The accepted Illustrated Parts Manual's hard copies must be:		
10.1.3.1 furnished with resistant flexible covers;		
10.1.3.2 printed on paper with these characteristics:		
10.1.3.2.1 Weight: at least 90g/m ² ; and,		
10.1.3.2.2 Brightness: at least 96		
10.1.3.3 Bound in a manner that will allow the manual to remain open while on a flat surface at any page without pages flipping over inadvertently.		
10.2 CONTENT		
10.2.1 The Illustrated Parts Manual must provide illustrations, exploded views, drawings and all associated lists necessary for the proper identification of all parts, assemblies and special equipment down to the Lowest Replaceable Unit (LRU) IAW the Maintenance Concept of the CEMD. The exploded views contained in the Illustrated Parts Manual must amplify the relationship between all parts and assemblies to facilitate repair of the CEMD and the		

replacement of parts and assemblies down to the LRU.

10.3 ELECTRONIC FORMAT

The illustrated Parts Manual must be submitted in its native file format and as a PDF file with searchable text, which matches the printed publication's format and layout. Links, bookmarks and thumbnails are to be included in the PDF file. Any references made to a specific paragraph, figure, appendix, etc., must be appropriately linked.

Viewing the PDF version: pages, regardless of size, containing text or illustrations in landscape, must be rotated for electronic viewing and reading in landscape.

The Illustrated Parts Manual must be submitted on CD or DVD media, which must be labelled as follows:

- a. The project name: CEMD;
- b. The contract number:
- c. The Subject Matter: Illustrated Parts Manual;
- d. The DID number: CEMD-ILS-209;
- e. The Revision number; and
- f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Operator Training Package	2. IDENTIFICATION NUMBER: CEMD-ILS-210	
3. DESCRIPTION/PURPOSE Training Package for Operators for the Combat Engineer Mine Detector (CEMD).		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Maintenance as required by Annex A-2.		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS		
10.1 FORMAT		
10.1.1 The Training Package must be delivered in MS PowerPoint Format.		
10.1.2 The Training Package must be delivered in English and Canadian French.		
10.2 CONTENT		
10.2.1 The Training Package must include the training documentation as follow:		
10.2.1.1 Lesson plan;		
10.2.1.2 Timetable;		
10.2.1.3 Student handouts;		
10.2.1.4 Computer Assisted Instructional modules, including learning objects;		
10.2.1.5 Reference materials to include operator manuals;		
10.2.1.6 Training aids;		
10.2.1.7 Performance Checks; and		
10.2.1.8 Lesson specifications.		
10.3 TOPICS		
The following topics must be addressed in the content of the training package:		
10.3.1 Equipment overview;		
10.3.2 Pre-use testing/inspection;		
10.3.3 Equipment set-up and deployment;		
10.3.4 Use and operation;		

- 10.3.5 Training Scenarios (Search Investigation and data understanding);
- 10.3.6 Operator maintenance and care;
- 10.3.7 Storage, and preparation to travel;
- 10.3.8 Safety, including personnel and equipment; and
- 10.3.9 Hazardous material issues.

10.4 ELECTRONIC FORMAT

The Training Package in MS PowerPoint Format must be submitted on CD or DVD media, which must be labelled as follows:

- a. The project name: CEMD;
- b. The contract number;
- c. The Subject Matter: Operator Training Package;
- d. The DID number: CEMD-ILS-210
- e. The Revision number; and
- f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Technical Training Package	2. IDENTIFICATION NUMBER: CEMD-ILS-211	
3. DESCRIPTION/PURPOSE The Technician Training Package for the CEMD will be a comprehensive package that will allow the CF SME to train technician in the maintenance of the CEMD.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract as required by Annex A of the SOW.		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS 10.1 FORMAT 10.1.1 The Technician Training Package must be delivered in MS PowerPoint Format. 10.1.2 The Technician Training Package must be delivered in English and Canadian French. 10.2 CONTENT 10.2.1 The Technician Training Package must include the courseware and training documentation required for instruction and learning as follows: 10.2.1.1. Lessons plans 10.2.1.2. Computer Assisted Instructional modules, including learning objects; 10.2.1.3. Reference materials to include operator and maintenance manuals; 10.2.1.4. Students handouts; 10.2.1.5. Training aids; 10.2.1.6 Timetable; 10.2.1.7. Performance Checks; and 10.2.1.8. Lesson specifications.		

10.2.2 The following topics must be addressed in the content of the Technician Training Package as a minimum:

- 10.2.2.1. System overview;
- 10.2.2.2. Equipment overview;
- 10.2.2.3. Pre-use testing/inspection;
- 10.2.2.4. Use and operation for maintenance purpose;
- 10.2.2.5. Troubleshooting and fault finding;
- 10.2.2.6. Preventive maintenance procedure;
- 10.2.2.7. Corrective maintenance;
- 10.2.2.8. Maintenance resources, tool and test equipment;
- 10.2.2.9. Personnel and equipment safety issues;
- 10.2.2.10. Hazardous material issues, including handling and disposal; and
- 10.2.2.11. Maintenance training (theory and practical).

10.3 ELECTRONIC FORMAT

The Training Package in MS PowerPoint Format must be submitted on CD or DVD media, which must be labelled as follows:

- a. The project name: CEMD;
- b. The contract number;
- c. The Subject Matter: Technician Training Package ;
- d. The DID number: CEMD-ILS-211;
- e. The Revision number; and
- f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Warranty Support Plan	2. IDENTIFICATION NUMBER: CEMD-ILS-212	
3. DESCRIPTION/PURPOSE To identify/document the elements that compose the Warranty Support for the CEMD, and to provide the framework and strategy whereby the Contractor must meet its obligations to affect Warranty Support.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Warranty Support Plan as required by Annex A-2.		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS		
10.1 Production of this plan using automated techniques is encouraged. Best commercial practices must be used for charts, tables, matrices, page numbering and document control numbering.		
10.2 CONTENT		
10.2.1 The Warranty Support Plan must be prepared in the Contractor's format and must consist as a minimum of the following sections:		
10.2.1.1 Title Page;		
10.2.1.2 Table of Contents;		
10.2.1.3 Document Control Log;		
10.2.1.4 Revision Record;		
10.2.1.5 Plan Subject Matter;		
10.2.1.6 Notes; and		
10.2.1.7 Annexes.		
10.2.2. Title Page - The Title page must contain the following information:		
10.2.2.1 Title: Warranty Support Plan;		
10.2.2.2 Contract No:		
10.2.2.3 CDRL No: CEMD-ILS-212;		
10.2.2.4 Prepared For: Canadian Department of National Defence, CEMD, EOD Project Office;		
10.2.2.5.Prepared By: Contractor's name address and validation signature;		
10.2.2.6.Approved by: DND EOD Tool CEMD Project Office date and approvals signature; and		
10.2.2.7.Authenticated By: Contractor and date.		

- 10.2.3 **Table of Contents** - The Table of Contents must list the title and page number of each titled paragraph and subparagraph, figure, table and appendix.
- 10.2.4 **Document Control Log** - The Document Control Log must contain three columns: Revision, Date, and reason for the change.
- 10.2.5 **Revision Record** - The Revision Record must contain a listing of pages and their revision status.
- 10.2.6 **Plan Subject Matter** - The Plan Subject Matter must contain plain text that addresses the material that must be included in the document.
- 10.2.7 **Notes** - This section must contain any general information that aids in the understanding of the document (eg. background information, glossary). This section should include an alphabetical listing of all acronyms, abbreviations, and their meanings as used in the plan.
- 10.2.8 **Annexes** - Annexes may be used to provide information published separately for convenience in document maintenance (eg. charts, classified data). As applicable, each annex should be referenced in the main body of the plan where the data would normally have been provided. Annexes may be bound as separate documents for ease of handling.
- 10.3. Plan Subject Matter - The plan subject matter must include but not be limited to a detailed discussion on the following:
- 10.3.1 An introduction with a stated purpose and scope.
- 10.3.2. A description of the warranty section. A key point of contact for warranty support matters should be identified.
- 10.3.3. Detailed summary of what is covered under the CEMD's standard warranty including applicable terms and conditions, such as parts and labour, time, usage, and maintenance servicing requirements.
- 10.3.4. Complete warranty control procedures including but not necessarily limited to the following:
- 10.3.4.1 Procedures to be used where warranty claims are not substantiated, but DND elects to have the item repaired and returned to service;
- 10.3.4.2 Interfacing action between Contractor and Canada for initiating warranty action and shipping instructions, including identification of forms and other documentation requirements;
- 10.3.4.3 Procedures to be followed for evaluation of defective warrantable items;
- 10.3.4.4 Details relating to disposal of unserviceable warrantable components, necessary forms and financial control procedures. All costs that are associated with the program must be identified including a method of compensating DND for effecting warranty repairs on the Contractors behalf; and
- 10.3.4.5 Report summarising all closed warranty claims and ongoing status of open claims.
- 10.3.5 Terms and conditions of the packaging warranty coverage;

- 10.3.6. Details of the process (detailed steps) to be followed to action a warranty claim, for repairs performed by the contractor;
- 10.4. Each topic of discussion should be addressed in a manner that clearly identifies any documentation or information required from DND.
- 10.5. Any documentation used in Warranty Support activities must be identified and included as part of the Warranty Support Plan.
- 10.6. The final plan must be submitted in typewritten form on plain white bond paper and on CD or DVD media in Microsoft Office Suite currently being used by DND at that time.
- 10.7. CD or DVD media must be labelled as follows:
 - a. The project name: C;
 - b. The contract number;
 - c. The Subject Matter: Warranty Support Plan;
 - d. The DID number: CEMD-ILS-212;
 - e. The Revision number; and
 - f. The date of delivery.

DATA ITEM DESCRIPTION		
1. TITLE Repair and Overhaul (R&O) Plan	2. IDENTIFICATION NUMBER: CEMD-ILS-213	
3. DESCRIPTION/PURPOSE To provide R&O planning information for each item requiring R&O.		
4. APPROVAL DATE 16 July 2013	5. OFFICE OF PRIMARY INTEREST (OPI) CEMD ILS Manager	6. GIDEP APPLICABLE: N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Repair and Overhaul Plan as required by Annex A-2.		
8. ORIGINATOR CEMD ILS Manager	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS 10.1 FORMAT: The Repair and Overhaul (R&O) Plan must be prepared a Microsoft Excel Spreadsheet. 10.2 CONTAIN: This report must provide the following data on each item requiring Repair and Overhaul: <div style="margin-left: 40px;"> Item Number (unique sequence no. for each list) Item Name Reference (Manufacturer's Part) number NSCM/CAGE Code NATO Stock Number (if available) Wear out Life Designated Rework Point </div> 10.3 For each item requiring Repair and Overhaul, provide a Technical Data List identifying the technical data needed by the Repair and Overhaul facility. These data may include, for example, overhaul task descriptions, repair schemes, test procedures and modifications to be incorporated. Where a Repair and Overhaul facility must be established, the estimated cost of doing so. 10.4 ELECTRONIC FORMAT CD or DVD media must be labelled as follows: <div style="margin-left: 40px;"> a. The project name: CEMD; b. The contract number; c. The Subject Matter: Repair and Overhaul Plan; d. The DID number: CEMD ILS-213; e. The Revision number; and </div>		

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f. The date of delivery.

ANNEX A-4**CONTRACT DATA REQUIREMENTS LIST (CDRL)****1. CDRL Definitions**

The following section defines the various blocks of information found on the Contract Data Requirements List (CDRL) forms:

BLOCK A - SYSTEM / ITEM

Provides the name of the System or Item for which the CDRL applies.

BLOCK B - CONTRACT / RFP NUMBER

Identifies the Contract or RFP for which the CDRL applies.

BLOCK C - SOW IDENTIFIER

Identifies the SOW for which the CDRL applies.

BLOCK D - DATA CATEGORY

Identifies the general category of the data for which the CDRL is being prepared.

BLOCK E - CONTRACTOR

Identifies the Contractor responsible for the delivery of the CDRL.

BLOCK 1 - ITEM NUMBER

The Item Number is a sequential three-digit number to uniquely identify the individual data item (CDRL number). Note that the 001-099 series is reserved to Project Management (PM) CDRLs, the 101-199 series is reserved to Systems Engineering (SE) CDRLs and the 202-299 series is reserved to Integrated Logistics Support (ILS) CDRLs.

BLOCK 2 - TITLE OR DESCRIPTION OF DATA

The title of the data item being referred to in this CDRL.

BLOCK 3 - SUBTITLE

This block contains the subtitle of the data item for the CDRL if the title requires further identification.

BLOCK 4 - AUTHORITY (DATA ITEM NUMBER)

Indicates the Data Item Description (DID) number to which this CDRL refers.

BLOCK 5 - CONTRACT REFERENCE

The specific paragraph number of the Contract Demand, Statement of Work, Request for Proposal, Specification, or other applicable document to assist in identifying the work effort associated with the data item.

BLOCK 6 - REQUIRING OFFICE

Identifies the technical office of primary interest responsible for defining the data requirement, reviewing, acceptance and/or approval of the data item, and ensuring the adequacy of the delivered data.

BLOCK 7 - INSPECTION

This block indicates the requirement for INSPECTION and ACCEPTANCE of the data. The following codes are used:

CODE	INSPECTION	ACCEPTANCE
SS	Source	Source
DD	Destination	Destination
SD	Source	Destination
DS	Destination	Source

If no applicable code is available for the data item, this block is marked as "N/A".

BLOCK 8 - APPROVAL CODE (APP CODE)

Indicates items of critical data requiring specific advanced written approval, such as test plans, identified by placing an "A" in this field. These data may require submission of a preliminary draft prior to publication of a final document. When a preliminary draft is required, Block 16 must show the length of time for Government approval/disapproval and when final is to be delivered. Block 16 also indicates the extent of the approval requirements, eg, approval of technical content and/or format.

If advance approval is not required, this block is marked as "N/A".

BLOCK 9 - INPUT

Indicates if data are the integrated results of specific inputs from associated contractors by placing an "X" in this block. Otherwise the block is left blank.

BLOCK 10 - FREQUENCY

This block indicates the frequency of the delivered data. The following frequency codes are used:

ANNLY	Annually
ASGEN	As generated
ASREQ	As required
BI-MO	Every 2 months
BI-WK	Every 2 weeks
DAILY	Daily
MNTHY	Monthly
ONE/R	One time with revisions
OTIME	One time
QRTLY	Quarterly
R/ASR	Revisions as required
SEMIA	Semi-annually
WKLY	Weekly

BLOCK 11 - AS OF DATE

For data items that are submitted only once, the "as of" date or associated constraint is indicated. The following abbreviations are used for the constraints:

ASGEN	As generated
ASREQ	As required
DACA	Days after contract award
MACA	Months after contract award
EOM	End of month
EOQ	End of quarter

If the as-of date is not applicable, leave this block blank.

BLOCK 12 - DATE OF 1ST SUBMISSION

The initial submission date or associated constraint for the 1st submission of the data item is indicated in this block using typical abbreviations as listed above under Block 11.

BLOCK 13 - DATE OF SUBSEQUENT SUBMISSION / EVENT

The date(s) of subsequent submission(s) or associated constraint(s) of the data item is indicated in this block. The abbreviations used for the constraints are as listed above under Block 11. If no subsequent submission or associated are not involved, this block is marked as "N/A".

BLOCK 14 - DISTRIBUTION AND ADDRESSEES

Indicates the addressees and the respective number of copies (hard copies and soft copies separately), for both the initial or original submissions (Sub-Block "Initial"), and for the final or subsequent submissions (Sub-Block "Final"), for which the data item is required. Column A contains addresses. The number of initial hard and soft copies for each addressee (as applicable) is indicated in Column B - INITIAL - Hard Copy and Column B - FINAL - Soft Copy.

BLOCK 15 - TOTAL

Indicates the total number of copies (hard copies and soft copies separately) required for both the original submission and for the final submission.

BLOCK 16 - REMARKS

Provides additional or clarifying information. Where other blocks refer to Block 16 - Remarks, then the associated block number is indicated with the information, and a "See Block 16" note would be entered in the referring block.

BLOCKS 17 - 19

These blocks are for Contractor input as required as part of the RFP or Contract. These blocks are not used by TA.

BLOCK - PREPARED BY

This block identifies the CDRL originator's name and designation.

BLOCK - DATE

This block indicates the date of the CDRL approval.

BLOCK - APPROVED BY

This block contains the identification information, such as name and designation, of the person approving the CDRL.

2. CDRL List

The following section lists the CDRLs (Block 2 - Title or Description of Data) attached to this Annex, including their CDRL number (Block 1 - Item Number) as well as their associated Data Item Description (DID) number (Block 4 - Authority: Data Item Number):

CDRL #	Title	Associated DID#
CEMD-PM-001	Project Management Plan (CEMD-PMP)	CEMD-PM-001
CEMD-PM-002	Project Master Schedule and Work Breakdown Structure	CEMD-PM-002
CEMD-PM-003	Meeting Agenda	CEMD-PM-003
CEMD-PM-004	Meeting Minutes	CEMD-PM-004
CEMD-PM-005	Action Item Report (AIR)	CEMD-PM-005
CEMD-PM-006	Problem Report	CEMD-PM-006
CEMD-PM-007	Progress Report	CEMD-PM-007
CEMD-PM-008	Meeting Documentation	CEMD-PM-008
CEMD-SE-101	Not Allocated	CEMD-SE-101
CEMD-SE-102	Specification	CEMD-SE-102
CEMD-SE-103	Test Report	CEMD-SE-103
CEMD-SE-104	Equipment Breakdown Structure (EBS)	CEMD-SE-104
CEMD-SE-105	Engineering Change Proposal (ECP)	CEMD-SE-105
CEMD-SE-106	Specification Change Notice (SCN)	CEMD-SE-106
CEMD-SE-107	Engineering Drawings and Associated Lists	CEMD-SE-107
CEMD-SE-108	Configuration Status Accounting Report	CEMD-SE-108
CEMD-SE-109	Certificate of Compliance	CEMD-SE-109
CEMD-ILS-201	Provisioning Parts Breakdown (PPB)	
CEMD-ILS-201		
CEMD-ILS-202	Supplementary Provisioning Technical Documentation (SPTD)	CEMD-
ILS-202		
CEMD-ILS-203	Special Tools and Test Equipment List	CEMD-
ILS-203		
CEMD-ILS-204	Identification Plates	CEMD-
ILS-204		
CEMD-ILS-205	Packaging, Label and Codes	CEMD-
ILS-205		
CEMD-ILS-206	Quick Reference Guide	CEMD-
ILS-206		
CEMD-ILS-207	Operator Manual	CEMD-
ILS-207		
CEMD-ILS-208	Maintenance Manual	CEMD-
ILS-208		
CEMD-ILS-209	Illustrated Parts Manual	
CEMD-ILS-209		
CEMD-ILS-210	Operator Training Package	
CEMD-ILS-210		

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CEMD-ILS-211	Technician Training Package	
CEMD-ILS-211		
CEMD-ILS-212	Warranty Support Plan	CEMD-
ILS-212		
CEMD-ILS-213	Repair and Overhaul Plan	CEMD-
ILS-213		

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CONTRACT DATA REQUIREMENTS LIST								
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865				
C. SOW IDENTIFIER CEMD SOW		D. DATA CATEGORY Management Data		E. CONTRACTOR TBD				
1. ITEM NUMBER CDRL CEMD-PM-001		2. TITLE OR DESCRIPTION OF DATA Project Management Plan (PMP)		3. SUBTITLE N/A				
4. AUTHORITY (Data Item Number) DID CEMD-PM-001		5. CONTRACT REFERENCE Annex A – SOW Para 4.2		6. REQUIRING OFFICE DND CEMD TA				
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES				
8. APP CODE N/A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION / EVENT See Block 16	A. ADDRESS	B. COPIES			
					INITIAL		FINAL	
					Hard Copy	Soft Copy	Hard Copy	Soft Copy
16. REMARKS Block 12: The PMP must be submitted for acceptance within fourteen (14) calendar days of contract award. Block 13: The updated PMP, addressing the comments from the Crown, must be submitted for acceptance within fourteen (14) calendar days of receipt of comments. Response Time: Comments on the PMP will be provided by the Crown at the Initial Progress Review Meeting (PRM) following Contract Award.				CA	1	1	1	1
				DND TA	1	1	1	1
PREPARED BY DND CEMD TA		DATE July 2011	APPROVED BY DND CEMD PM/DCSEM 9					
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE \$		15. TOTAL	2	2	2

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Buyer ID - Id de l'acheteur

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CCC No./N° CCC - FMS No/ N° VME

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

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CONTRACT DATA REQUIREMENTS LIST																
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)					B. CONTRACT / RFP NUMBER W8476-144865											
C. SOW IDENTIFIER CEMD SOW			D. DATA CATEGORY Management Data			E. CONTRACTOR TBD										
1. ITEM NUMBER CDRL CEMD-PM-002			2. TITLE OR DESCRIPTION OF DATA Project Master Schedule (PMS) and Work Breakdown Structures (WBS)			3. SUBTITLE N/A										
4. AUTHORITY (Data Item Number) DID CEMD-PM-002			5. CONTRACT REFERENCE Annex A - SOW Para 4.3			6. REQUIRING OFFICE DND TA										
7. INSPECTION DD		9. INPUT		10. FREQUENCY MNTHY		12. DATE OF 1st SUBMISSION See Block 16		14. DISTRIBUTION and ADDRESSEES								
8. APP CODE A				11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION / EVENT See Block 16		A. ADDRESS		B. COPIES						
16. REMARKS Block 12: The PMS shall be submitted for acceptance within fourteen (14) calendar days of contract award. Block 13: The updated PMS, addressing the comments from the Crown, shall be submitted for acceptance within fourteen (14) calendar days of receipt of comments. Subsequent and continuous updates to PMS: The up-to-date PMS shall be submitted in accordance with each of the following: - On a monthly basis; - In conjunction with meeting minutes following each meeting; and - Following any changes in milestones. Response Time: Comments on the PMS will be provided by the Crown at the Initial Progress Review Meeting (PRM) following Contract Award.							INITIAL		FINAL							
							Hard Copy		Soft Copy		Hard Copy		Soft Copy			
							CA		1		1		1		1	
							DND TA		1		1		1		1	
PREPARED BY DND TA			DATE July 2011		APPROVED BY DND CEMD PM / DCSEM 9											
17. CONTRACT FILE / DOCUMENT NUMBER			18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE \$		15. TOTAL 2 2 2 2									

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CONTRACT DATA REQUIREMENTS LIST

A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865					
C. SOW IDENTIFIER CEMD SOW		D. DATA CATEGORY Management Data		E. CONTRACTOR TBD					
1. ITEM NUMBER CDRL CEMD-PM-003		2. TITLE OR DESCRIPTION OF DATA Meeting Agenda		3. SUBTITLE N/A					
4. AUTHORITY (Data Item Number) DID CEMD-PM-003		5. CONTRACT REFERENCE Annex A – SOW Para		6. REQUIRING OFFICE DND TA					
7. INSPECTION DD	9. INPUT	10. FREQUENCY ASREQ	12. DATE OF 1st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES					
8. APP CODE N/A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION / EVENT See Block 16	A. ADDRESS		B. COPIES			
16. REMARKS Block 12: The Meeting Agenda shall be submitted for review no later than ten (10) calendar days prior to each meeting. Block 13: The revised Meeting Agenda addressing the comments from the Crown shall be tabled at the meeting. Response Time: Comments on the Meeting Agenda, including additions or deletions of discussion items, will be provided by the Crown within seven (7) calendar days of receipt.									
				CA		1	1	1	1
				DND TA		1	1	1	1
PREPARED BY DND CEMD TA		DATE July 2011	APPROVED BY DND CEMD PM/DCSEM 9						
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE \$	15. TOTAL	2	2	2	2	

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CONTRACT DATA REQUIREMENTS LIST									
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)		B. CONTRACT / REP NUMBER W8476-144865		E. CONTRACTOR TBD		3. SUBTITLE N/A		6. REQUIRING OFFICE DND TA	
C. SOW IDENTIFIER CEMD SOW		D. DATA CATEGORY Management Data		12. DATE OF 1st SUBMISSION See Block 16		13. DATE OF SUBSEQUENT SUBMISSION / EVENT See Block 16		14. DISTRIBUTION and ADDRESSES	
1. ITEM NUMBER CDRL CEMD-PM-004		2. TITLE OR DESCRIPTION OF DATA Meeting Minutes		10. FREQUENCY ASREQ		11. AS OF DATE N/A		A. ADDRESS	
4. AUTHORITY (Data Item Number) DID CEMD-PM-004		5. CONTRACT REFERENCE Annex A - SOW Para 4.4.2.3		9. INPUT		15. TOTAL		B. COPIES	
7. INSPECTION DD		9. INPUT		10. FREQUENCY ASREQ		11. AS OF DATE N/A		INITIAL	
8. APP CODE A		9. INPUT		10. FREQUENCY ASREQ		11. AS OF DATE N/A		Hard Copy	
16. REMARKS		9. INPUT		10. FREQUENCY ASREQ		11. AS OF DATE N/A		Soft Copy	
Block 12: Meeting minutes shall be submitted for review with in three (5) calendar days following each meeting.		9. INPUT		10. FREQUENCY ASREQ		11. AS OF DATE N/A		FINAL	
Block 13: Revised meeting minutes addressing the comments from the Crown shall be submitted for approval within three (3) calendar days of receipt of comments.		9. INPUT		10. FREQUENCY ASREQ		11. AS OF DATE N/A		Hard Copy	
Response Time: Comments on the meeting minutes will be provided by the Crown within five (5) calendar days of receipt.		9. INPUT		10. FREQUENCY ASREQ		11. AS OF DATE N/A		Soft Copy	
PREPARED BY DND CEMD TA		DATE July 2011		APPROVED BY DND CEMD PM/DCSEM 9		15. TOTAL		2	
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE \$		2		2	

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CONTRACT DATA REQUIREMENTS LIST									
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)		B. CONTRACT / RFP NUMBER W8476-144865							
C. SOW IDENTIFIER CE MD SOW		E. CONTRACTOR TBD							
D. DATA CATEGORY Management Data		3. SUB TITLE N/A							
1. ITEM NUMBER CDRL CEMD-FM-005		2. TITLE OR DESCRIPTION OF DATA Action Item Report (AIR)							
4. AUTHORITY (Data Item Number) DD CEMD-FM-005		5. CONTRACT REFERENCE Armex A - SOW Para 4.5							
7. INSPECTION		9. INPUT		10. FREQUENCY		12. DATE OF 1st SUBMISSION		14. DISTRIBUTION and ADDRESSES	
8. A/P CODE N/A		See Block 16		See Block 16		N/A		A. ADDRESS	
						11. AS OF DATE		B. COPIES	
						13. DATE OF SUBSEQUENT SUBMISSION / EVENT		INITIAL	
						N/A		Head Copy	
								Soft Copy	
16. REMARKS									
Block 10: The up-to-date Action Item Report (AIR) shall be submitted in conjunction with progress reports.									
Block 11: The up-to-date Action Item Report (AIR) shall be submitted in conjunction with meeting minutes following each meeting.									
An up-to-date AIR shall also be submitted following a change in the Action Items being tracked.									
								CA	
								1 1 1 1 1 1	
								DND TA 1 1 1 1 1 1	
PREPARED BY DND CEMD TA		DATE July 2011		APPROVED BY DND CEMD PARDCSEM 9					
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE		13. TOTAL			
				\$		2 2 2 2 2 2		2 2 2 2 2 2	

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CONTRACT DATA REQUIREMENTS LIST									
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)		B. CONTRACT / RFP NUMBER W8476-144865		E. CONTRACTOR TBD					
C. SOW IDENTIFIER CE MD SOW		D. DATA CATEGORY Management Data		3. SUB TITLE N/A					
1. ITEM NUMBER CDRL CE MD-FM-006		2. TITLE OR DESCRIPTION OF DATA Problem Report		6. REQUIRING OFFICE DND TA					
4. AUTHORITY (Data Item Number) DD CEMD-FM-006		5. CONTRACT REFERENCE Armex A - SOW Para 4.6		14. DISTRIBUTION AND ADDRESSES					
7. INSPECTION SD		10. FREQUENCY ASREQ		12. DATE OF 1st SUBMISSION N/A		A. ADDRESS		B. COPIES	
8. AFP CODE N/A		11. AS OF DATE See Block 16		13. DATE OF SUBSEQUENT SUBMISSION / EVENT N/A		INITIAL		FINAL	
16. REMARKS Block 11: Problem Reports shall be submitted by fax circle or e-mail within twenty-four (24) hours following the initial notification of the problem to PWGSC CA or DND TA.						Head Copy		Soft Copy	
						1		1	
						1		1	
PREPARED BY DND/CEMD TA		DATE July 2011		APPROVED BY DND/CEMD PARDCSEM 9					
17. CONTRACT FILE DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE \$		15. TOTAL		2 2 2 2 2	

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CONTRACT DATA REQUIREMENTS LIST									
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)		B. CONTRACT / RFP NUMBER W8476-144865		E. CONTRACTOR TBD					
C. SOW IDENTIFIER CE MD SOW		D. DATA CATEGORY Management Data		3. SUB TITLE N/A					
1. ITEM NUMBER CDRL CEMD-FM-007		2. TITLE OR DESCRIPTION OF DATA Progress Report (PR)		6. REQUIRING OFFICE DND TA					
4. AUTHORITY (Data Item Number) DD CEMD-FM-007		5. CONTRACT REFERENCE Armex A - SOW Para 4.7		14. DISTRIBUTION and ADDRESSES					
7. INSPECTION SD		9. INPUT MONTHLY		12. DATE OF 1st SUBMISSION N/A		A. ADDRESS		B. COPIES	
8. AFP CODE N/A		11. AS OF DATE See Block 16		13. DATE OF SUBSEQUENT SUBMISSION / EVENT N/A		INITIAL		FINAL	
16. REMARKS Block 11: The first Monthly Progress report shall be submitted thirty (30) calendar days after the kick-off meeting.						Head Copy		Soft Copy	
						1		1	
						1		1	
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE \$		15. TOTAL			
						2		2	
						2		2	
						2		2	

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CONTRACT DATA REQUIREMENTS LIST									
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)		B. CONTRACT / REP NUMBER W8476-144865		E. CONTRACTOR TBD		3. SUBTITLE N/A		6. REQUIRING OFFICE DND TA	
C. SOW IDENTIFIER CEMD SOW		D. DATA CATEGORY Systems Engineering Data		12. DATE OF 1st SUBMISSION See Block 16		13. DATE OF SUBSEQUENT SUBMISSION / EVENT See Block 16		14. DISTRIBUTION and ADDRESSEES	
1. ITEM NUMBER CDRL CEMD-SE-102		2. TITLE OR DESCRIPTION OF DATA Specifications		10. FREQUENCY N/A		11. AS OF DATE N/A		A. ADDRESS	
4. AUTHORITY (Data Item Number) DID CEMD-SE-102		5. CONTRACT REFERENCE Annex A – SOW 5.2		9. INPUT		15. TOTAL		B. COPIES	
7. INSPECTION DD		11. AS OF DATE N/A		16. REMARKS		INITIAL		FINAL	
8. APP CODE N/A		12. DATE OF 1st SUBMISSION See Block 16		13. DATE OF SUBSEQUENT SUBMISSION / EVENT See Block 16		Hard Copy		Hard Copy	
						Soft Copy		Soft Copy	
						1		1	
						1		1	
PREPARED BY DND CEMD TA		DATE July 2011		APPROVED BY DND CEMD PM/DCSEM 9					
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE \$		2		2	
						2		2	
						2		2	

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CONTRACT DATA REQUIREMENTS LIST											
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)		B. CONTRACT / RFP NUMBER W8476-144865		E. CONTRACTOR TBD							
C. SOW IDENTIFIER CEMD SOW		D. DATA CATEGORY Systems Engineering Data		3. SUB TITLE N/A							
1. ITEM NUMBER CDRL CEMD-SE-103		2. TITLE OR DESCRIPTION OF DATA Test Report		6. REQUIRING OFFICE DND TA							
4. AUTHORITY (Data Item Number) DD CEMD-SE-103		5. CONTRACT REFERENCE Armex A - SOW Para 5.3.5		14. DISTRIBUTION and ADDRESSES							
7. INSPECTION DD		9. INPUT ASREQ		10. FREQUENCY ASREQ		12. DATE OF 1st SUBMISSION See Block 16		A. ADDRESS		B. COPIES	
8. A/P CODE A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION / EVENT See Block 16		INITIAL		FINAL			
16. REMARKS						Head Copy		Head Copy		Soft Copy	
Block 12: The Test Reports shall be submitted for review within fifteen (15) calendar days following each test or group of tests.						1		1		1	
Block 13: The updated Test Reports addressing the comments from the Crown shall be submitted for approval within ten (10) calendar days of receipt of comments.						1		1		1	
Response Time: Comments on the Test Reports will be provided by the Crown within ten (10) calendar days of receipt.											
PREPARED BY DND/CEMD TA		DATE July 2011		APPROVED BY DND/CEMD PARDCSEM 9							
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE		15. TOTAL					
				\$		2		2		2	

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CONTRACT DATA REQUIREMENTS LIST									
A. SYSTEM / ITEM		B. CONTRACT / RFP NUMBER				W8476-144865			
C. SOW IDENTIFIER		D. DATA CATEGORY				E. CONTRACTOR			
CEMD SOW		Systems Engineering Data				TBD			
1. ITEM NUMBER		2. TITLE OR DESCRIPTION OF DATA				3. SUBTITLE			
CDRL CEMD-SE-104		Equipment Breakdown Structure (EBS)				N/A			
4. AUTHORITY (Data Item Number)		5. CONTRACT REFERENCE				6. REQUIRING OFFICE			
DID CEMD-SE-104		Annex A – SOW Para 6.2				DND TA			
7. INSPECTION		9. INPUT		10. FREQUENCY		12. DATE OF 1st SUBMISSION		14. DISTRIBUTION and ADDRESSEES	
DD				ONE/R		See Block 16		A. ADDRESS	
8. APP CODE		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION/ EVENT		B. COPIES		INITIAL	
N/A		N/A						Hard Copy	
16. REMARKS								Soft Copy	
Block 12: The Equipment Breakdown Structure (EBS) shall be submitted for review within thirty (30) calendar days following contract award.								FINAL	
Block 13: The updated EBS addressing the comments from the Crown shall be submitted for acceptance within ten (10) calendar days of receipt of comments.								Hard Copy	
Response Time: Comments on the EBS will be provided by the Crown within ten (10) calendar days of receipt.								Soft Copy	
PREPARED BY		DATE		APPROVED BY					
DND CEMD TA		July 2011		DND CEMD PM/DCSEM 9					
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE		15. TOTAL			
				\$		2 2 2		2 2 2	

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CONTRACT DATA REQUIREMENTS LIST									
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)		B. CONTRACT / RFP NUMBER W8476-144865		E. CONTRACTOR TBD					
C. SOW IDENTIFIER CEMD SOW		D. DATA CATEGORY Systems Engineering Data		3. SUBTITLE N/A					
1. ITEM NUMBER CDRL CEMD-SE-105		2. TITLE OR DESCRIPTION OF DATA Engineering Change Proposal (ECP)		6. REQUIRING OFFICE DND TA					
4. AUTHORITY (Data Item Number) DID CEMD-SE-105		5. CONTRACT REFERENCE Annex A – SOW Para 6.4		14. DISTRIBUTION AND ADDRESSEES					
7. INSPECTION DD		9. INPUT ASREQ		10. FREQUENCY ASREQ		12. DATE OF 1st SUBMISSION N/A		13. DATE OF SUBSEQUENT SUBMISSION / EVENT N/A	
8. APP CODE A		11. AS OF DATE See Block 16		16. REMARKS					
				Block 11: Engineering Change Proposals (ECPs) shall be submitted for review prior to any engineering changes to system assemblies, sub-assemblies or components, to request authorization to depart from a particular performance or design requirement of the contract, specification, or reference document.					
				Response Time: Approval or Rejection of ECPs will be provided by the Crown within fourteen (14) calendar days of receipt.					
PREPARED BY DND CEMD TA		DATE July 2011		APPROVED BY DND CEMD PM/DKSEM 9					
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE \$					
						15. TOTAL		2 2 2 2	

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CONTRACT DATA REQUIREMENTS LIST									
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865					
C. SOW IDENTIFIER CEMD SOW		D. DATA CATEGORY Systems Engineering Data		E. CONTRACTOR TBD					
1. ITEM NUMBER CDRL CEMD-SE-106		2. TITLE OR DESCRIPTION OF DATA Specification Change Notice (SCN)		3. SUBTITLE N/A					
4. AUTHORITY (Data Item Number) DID CEMD-SE-106		5. CONTRACT REFERENCE Annex A – SOW Para 6.5		6. REQUIRING OFFICE DND TA					
7. INSPECTION SD	9. INPUT	10. FREQUENCY ASREQ	12. DATE OF 1st SUBMISSION N/A	14. DISTRIBUTION and ADDRESSEES					
8. APP CODE N/A		11. AS OF DATE See Block 16	13. DATE OF SUBSEQUENT SUBMISSION/ EVENT N/A	A. ADDRESS	B. COPIES				
16. REMARKS Block 11: Specification Change Notices (SCNs) shall be submitted for each specification that require revision following approval of any ECPs.					INITIAL		FINAL		
					Hard Copy	Soft Copy	Hard Copy	Soft Copy	
				CA	1	1	1	1	
				DND TA	1	1	1	1	
PREPARED BY DND CEMD TA		DATE July 2011	APPROVED BY DND CEMD PM/DCSEM 9						
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE \$		15. TOTAL	2	2	2	2

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CONTRACT DATA REQUIREMENTS LIST										
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865						
C. SOW IDENTIFIER CEMD SOW		D. DATA CATEGORY System Engineering Data		E. CONTRACTOR TBD						
1. ITEM NUMBER CDRL CEMD-SE-107		2. TITLE OR DESCRIPTION OF DATA Engineering Drawings & Associated Lists		3. SUBTITLE N/A						
4. AUTHORITY (Data Item Number) DID CEMD-SE-107		5. CONTRACT REFERENCE Annex A – SOW Para 5.3.7		6. REQUIRING OFFICE DND TA						
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES						
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION / EVENT See Block 16	A. ADDRESS		B. COPIES				
						INITIAL		FINAL		
						Hard Copy	Soft Copy	Hard Copy	Soft Copy	
16. REMARKS Block 12. Full-size, print copy sets of the Engineering Drawings & Associated Lists shall be submitted in hard copy (reduced size print copies may be acceptable provided that they are legible) for review and acceptance within sixty (60) calendar days following Contract Award. Response Time: Comments on Engineering Drawings and Associated Lists will be provided by the Crown within thirty (30) calendars of receipt.				CA		1	1	1	1	
				DND TA		1	1	1	1	
				DSCO		1	1	1	1	
PREPARED BY DND CEMD TA		DATE July 2011	APPROVED BY DND CEMD PM/DCSEM 9							
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE \$		15. TOTAL		3	3	3	3

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CONTRACT DATA REQUIREMENTS LIST									
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865					
C. SOW IDENTIFIER CEMD SOW		D. DATA CATEGORY Systems Engineering Data		E. CONTRACTOR TBD					
1. ITEM NUMBER CDRL CEMD-SE-108		2. TITLE OR DESCRIPTION OF DATA Configuration Status Accounting (CSA) Report		3. SUBTITLE N/A					
4. AUTHORITY (Data Item Number) DID CEMD-SE-108		5. CONTRACT REFERENCE Annex A – SOW Para 6.6		6. REQUIRING OFFICE DND TA					
7. INSPECTION SD	9. INPUT	10. FREQUENCY MNTHY	12. DATE OF 1st SUBMISSION see Block 16	14. DISTRIBUTION and ADDRESSEES					
8. APP CODE N/A		11. AS OF DATE See Block 16	13. DATE OF SUBSEQUENT SUBMISSION / EVENT N/A	A. ADDRESS	B. COPIES				
16. REMARKS Block 11: The Configuration Status Accounting (CSA) Report shall be submitted on a monthly basis. Block 12: The first CSA report shall be delivered thirty (30) calendar days after the kick-off meeting.					INITIAL		FINAL		
					Hard Copy	Soft Copy	Hard Copy	Soft Copy	
				CA	1	1	1	1	
				DND TA	1	1	1	1	
PREPARED BY DND CEMD TA		DATE July 2011	APPROVED BY DND CEMD PM/DCSEM 9						
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE \$		15. TOTAL	2	2	2	2

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CONTRACT DATA REQUIREMENTS LIST									
A. SYSTEM / ITEM Combat Engineer Mine Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865					
C. SOW IDENTIFIER CEMD SOW		D. DATA CATEGORY Systems Engineering Data		E. CONTRACTOR TBD					
1. ITEM NUMBER CDRL CEMD-SE-109		2. TITLE OR DESCRIPTION OF DATA Certificate of Compliance		3. SUBTITLE N/A					
4. AUTHORITY (Data Item Number) DID CEMD-SE-109		5. CONTRACT REFERENCE Annex A – SOW Para 5.3.9		6. REQUIRING OFFICE DND TA					
7. INSPECTION SD	9. INPUT	10. FREQUENCY ASGEN	12. DATE OF 1st SUBMISSION N/A	14. DISTRIBUTION and ADDRESSEES					
8. APP CODE N/A		11. AS OF DATE See Block 16	13. DATE OF SUBSEQUENT SUBMISSION / EVENT N/A	A. ADDRESS	B. COPIES				
					INITIAL		FINAL		
					Hard Copy	Soft Copy	Hard Copy	Soft Copy	
16. REMARKS Block 11: The Certificates of Compliance shall be submitted in conjunction with the delivery of equipment.				CA	1	1	1	1	
				DND TA	1	1	1	1	
				Equipment			1		
PREPARED BY DND CEMD TA		DATE July 2011	APPROVED BY DND CEMD PM/DCSEM 9						
17. CONTRACT FILE / DOCUMENT NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE \$		15. TOTAL	2	2	3	2

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-201		2. TITLE OR DESCRIPTION OF DATA Provisioning Parts Breakdown		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-201		5. CONTRACT REFERENCE Annex A – SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 ST SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL	
						Hard	Soft
16. REMARKS Block 12. The Contractor must provide a draft Provisioning Parts Breakdown for review no later than fifty six (56) calendar days after Contract Award. Response Time: Comments on the Provisioning Parts Breakdown will be provided by Canada no later than twenty one (21) calendar days after receipt of draft submission. Block 13: The revised Provisioning Parts Breakdown, addressing Canada comments must be submitted for acceptance no later than fourteen (14) calendar days of receipt of comments.				CEMD ILSM	1	2	2
				CA	1	1	1
PREPARED BY CEMD ILS Manager		APPROVED BY CEMD ILS Manager					
DATE 16 July 2013		DATE 16 July 2013					
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE	15. TOTAL	2	3	3

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-202		2. TITLE OR DESCRIPTION OF DATA Supplementary Provisioning Technical Documentation		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-202		5. CONTRACT REFERENCE Annex A – SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL Hard Soft	
16. REMARKS Block 12. The Contractor must provide the SPTD package no later than fifty six (56) calendar days after Contract Award. Response Time: Comments on the SPTD package will be provided by Canada no later than twenty one (21) calendar days after receipt of draft submission. Block 13: The revised SPTD package, addressing Canada comments must be submitted for acceptance no later than fourteen (14) calendar days of receipt of comments.				CEMD ILSM	1	1	1
				CA	1	1	1
PREPARED BY CEMD ILS Manager		APPROVED BY CEMD ILS Manager					
DATE 16 July 2013		DATE 16 July 2013					
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE	15. TOTAL	2	2	2

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-203		2. TITLE OR DESCRIPTION OF DATA Special Tools & Test Equipment List		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-203		5. CONTRACT REFERENCE Annex A – CEMD SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL	
						Hard	Soft
16. REMARKS Block 12. The Contractor must provide a draft Special Tool & Test Equipment List for review no later than fourteen (14) calendar days after the Kick off Meeting date. Response Time: Comments on the Special Tool & Test Equipment List will be provided by Canada no later than twenty one (21) calendar days after receipt of draft submission. Block 13: The revised Special Tool & Test Equipment List, addressing Canada comments must be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments.				CEMD ILSM	1	1	1
				CA	1	1	1
PREPARED BY CEMD ILS Manager				APPROVED BY CEMD ILS Manager			
DATE 16 July 2013		DATE 16 July 2013					
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE		15. TOTAL	
						2 2 2	

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-204		2. TITLE OR DESCRIPTION OF DATA Identification Plates		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-204		5. CONTRACT REFERENCE Annex A – SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
				INITIAL DRAFT	FINAL		
					Hard	Soft	
16. REMARKS				CEMD ILSM	1	1	1
Block 12. The Identification Plate Design must be submitted for approval no later than fourteen (14) Calendar Days after the Kick-off Meeting date.				CA	1	1	1
Response Time: Comments on the Identification Plate Design will be provided by Canada no later than fourteen (14) Calendar Days of receipt.							
Block 13: The updated Identification Plate addressing the comments from Canada must be submitted for final acceptance no later than fourteen (14) Calendar Days of receipt of comments.							
The Final bilingual Identification Plate must be submitted for Review/Acceptance no later than forty-two (42) calendar days after approval of the English copy.							
PREPARED BY CEMD ILS Manager		APPROVED BY CEMD ILS Manager					
DATE 16 July 2013		DATE 16 July 2013					
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE	15. TOTAL	2	2	2

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-205		2. TITLE OR DESCRIPTION OF DATA Packaging, Labels and Codes		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-205		5. CONTRACT REFERENCE Annex A – SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL	
						Hard	Soft
16. REMARKS				CEMD ILSM	1	1	1
<u>Block 12:</u> The Packaging, Labels and Codes must be submitted for evaluation and review fourteen (14) calendar days after the Kick-off Meeting.				CA	1	1	1
<u>Response Time:</u> Comments on Packaging, Labels and Codes will be provided by the Crown within fourteen (14) calendar days of their respective receipts.							
<u>Block 13:</u> Revisions to the Packaging, Labels and Codes addressing the comments from the Crown, must be submitted for acceptance within fourteen (14) calendar days of receipt of respective comments.							
The bilingual Packaging, Labels and Codes must be submitted for Review/Acceptance no later than forty-two (42) calendar days after approval of the English copy.							
PREPARED BY CEMD ILS Manager		APPROVED BY CEMD ILS Manager					
DATE 16 July 2013		DATE 16 July 2013					
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE	15. TOTAL	2	2	2

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-206		2. TITLE OR DESCRIPTION OF DATA Quick Reference Guide		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-206		5. CONTRACT REFERENCE Annex A – SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL	
						Hard	Soft
16. REMARKS							
Block 12. The Contractor must provide the English DRAFT Quick Reference Guide for review no later than twenty eight (28) calendar days after the Kick-Off meeting date.				CEMD ILSM	1	3	1
Response Time: Comments on the English DRAFT Quick Reference Guide will be provided by Canada no later than fourteen (14) calendar days after draft submission.				CA	1	1	1
Block 13: The revised English DRAFT Quick Reference Guide, addressing Canada comments must be submitted no later than fourteen (14) calendar days for review and acceptance by Canada.				With each CEMD		600	
The Final bilingual Quick Reference Guide must be submitted for Review/Acceptance no later than twenty-eight (28) calendar days after approval of the English copy.							
PREPARED BY CEMD ILS Manager		APPROVED BY CEMD ILS Manager					
DATE 16 July 2013		DATE 16 July 2013					
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE	15. TOTAL	2	604	2

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-207		2. TITLE OR DESCRIPTION OF DATA Operator Manual		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-207		5. CONTRACT REFERENCE Annex A – SOW Section		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL	
					Hard	Soft	
16. REMARKS Block 12. The Contractor must provide the English DRAFT Operator manual for review no later than twenty eight (28) calendar days after the Kick-Off meeting date. Response Time: Comments on the English DRAFT Operator manual will be provided by Canada no later than fourteen (14) calendar days after draft submission. Block 13: The revised English DRAFT Operator manual, addressing Canada comments must be submitted no later than fourteen (14) calendar days for review and acceptance by Canada. The Final bilingual Operator manual must be submitted for Review/Acceptance no later than twenty-eight (28) calendar days after approval of the English copy.				CEMD ILSM	1	1	1
				CA	1	1	1
				With each CEMD	0	600	0
PREPARED BY CEMD ILS Manager		APPROVED BY CEMD ILS Manager					
DATE 16 July 2013		DATE 16 July 2013					
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE	15. TOTAL	2	602	2

Solicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

W8476-144865/A

pv915

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

W8476-144865

pv915W8476-144865

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-208		2. TITLE OR DESCRIPTION OF DATA Maintenance Manual		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-208		5. CONTRACT REFERENCE Annex A – SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL	
						Hard	Soft
16. REMARKS Block 12. The Contractor must provide the English DRAFT Maintenance manual for review no later than thirty five (35) calendar days after the Kick-Off meeting date. Response Time: Comments on the English DRAFT Maintenance manual will be provided by Canada no later than fourteen (14) calendar days after draft submission. Block 13: The revised English DRAFT Maintenance manual, addressing Canada comments must be submitted no later than twenty eight (28) calendar days for review and acceptance by Canada. The Final bilingual Maintenance manual must be submitted for Review/Acceptance no later than twenty-eight (28) calendar days after approval of the English copy.				CEMD ILSM	1	2	1
				CA	1	1	1
PREPARED BY CEMD ILS Manager				APPROVED BY CEMD ILS Manager			
DATE 16 July 2013				DATE 16 July 2013			
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE	15. TOTAL	2	3	2

Solicitation No. - N° de l'invitation

W8476-144865/A

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

W8476-144865

Amd. No. - N° de la modif.

File No. - N° du dossier

pv915W8476-144865

Buyer ID - Id de l'acheteur

pv915

CCC No./N° CCC - FMS No/ N° VME

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-209		2. TITLE OR DESCRIPTION OF DATA Illustrated Parts Manual		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-209		5. CONTRACT REFERENCE Annex A – SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL	
					Hard	Soft	
16. REMARKS Block 12. The Contractor must provide a draft Illustrated Parts Manual for review no later than thirty five (35) calendar days after the Kick off Meeting date. Response Time: Comments on the Illustrated Parts Manual will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: The revised Illustrated Parts Manual, addressing Canada comments must be submitted for acceptance no later than twenty eight (28) calendar days after the receipt of comments. The Final bilingual Illustrated Parts Manual must be submitted for Review/Acceptance no later than twenty-eight (28) calendar days after approval of the English copy.				CEMD ILSM	1	2	1
				CA	1	1	1
PREPARED BY CEMD ILS Manager				APPROVED BY CEMD ILS Manager			
DATE 16 July 2013		DATE 16 July 2013					
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE	15. TOTAL	2	3	2

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-210		2. TITLE OR DESCRIPTION OF DATA Operator Training Package		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-210		5. CONTRACT REFERENCE Annex A – SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL	
						Hard	Soft
16. REMARKS Block 12. The Contractor must provide the English DRAFT Operator Training Package for review no later than fifty six (56) calendar days after the Kick off Meeting date. Response Time: Comments on the English DRAFT Operator Training Package will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: The revised English DRAFT Operator Training Package, addressing Canada comments must be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments. The Final bilingual Operator Training Package must be submitted for Review/Acceptance no later than twenty-one (21) calendar days after approval of the English copy.				CEMD ILSM	1	2	2
				CA	1	1	1
PREPARED BY CEMD ILS Manager				APPROVED BY CEMD ILS Manager			
DATE 16 July 2013				DATE 16 July 2013			
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE	15. TOTAL	2	3	3

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-211		2. TITLE OR DESCRIPTION OF DATA Technician Training Package		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-211		5. CONTRACT REFERENCE Annex A – SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL	
						Hard	Soft
16. REMARKS				CEMD ILSM	1	2	2
<u>Block 12:</u> The Contractor must provide the English DRAFT Technician Training Package for review no later than sixty three (63) calendar days after the Kick off Meeting date.				CA	1	1	1
<u>Response Time:</u> Comments on the English DRAFT Technician Training Package will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission.							
<u>Block 13:</u> The revised Training Package, addressing Canada comments must be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments.							
The Final bilingual Technician Training Package must be submitted for Review/Acceptance no later than twenty-one (21) calendar days after approval of the English copy.							
PREPARED BY CEMD ILS Manager		APPROVED BY CEMD ILS Manager					
DATE 16 July 2013		DATE 16 July 2013					
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE	15. TOTAL	2	3	3

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-212		2. TITLE OR DESCRIPTION OF DATA Warranty Support Plan		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-212		5. CONTRACT REFERENCE Annex A – SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL Hard Soft	
16. REMARKS <u>Block 12:</u> The Contractor must provide a draft Warranty Support Plan for review no later than fifty-six (56) calendar days after the Kick off Meeting date. <u>Response Time:</u> Comments on the Warranty Support Plan will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. <u>Block 13:</u> The revised Warranty Support Plan, addressing Canada comments must be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments.				CEMD ILSM	1	1	1
				CA	1	1	1
PREPARED BY CEMD ILS Manager		APPROVED BY CEMD ILS Manager					
DATE 16 July 2013		DATE 16 July 2013					
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES	19. ESTIMATED PRICE	15. TOTAL	2	2	2

CONTRACT DATA REQUIREMENTS LIST							
A. SYSTEM / ITEM Combat Engineer Metal Detector (CEMD)				B. CONTRACT / RFP NUMBER W8476-144865			
C. SOW IDENTIFIER Annex A - CEMD SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR			
1. ITEM NUMBER CDRL CEMD ILS-213		2. TITLE OR DESCRIPTION OF DATA Repair and Overhaul Plan		3. SUBTITLE			
4. AUTHORITY (Data Item Number) CDRL CEMD ILS-213		5. CONTRACT REFERENCE Annex A – SOW		6. REQUIRING OFFICE CEMD ILS Manager			
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION AND ADDRESSEES			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	A - ADDRESS	COPIES		
					INITIAL DRAFT	FINAL	
						Hard	Soft
16. REMARKS <u>Block 12:</u> The Contractor must provide a draft Repair and Overhaul Plan for review no later than forty-two (42) calendar days after the Kick off Meeting date. <u>Response Time:</u> Comments on the Repair and Overhaul Plan will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. <u>Block 13:</u> The revised Repair and Overhaul Plan, addressing Canada comments must be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments.				CEMD ILSM	1	1	1
				CA	1	1	1
PREPARED BY CEMD ILS Manager				APPROVED BY CEMD ILS Manager			
DATE 16 July 2013				DATE 16 July 2013			
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE		15. TOTAL	
						2 2 2	

ANNEX A-5

COMMERCIAL ENGINEERING DRAWINGS AND ASSOCIATED LISTS

1.0 General

Engineering Drawings, Associated Lists and Reference Documents must be provided in accordance with the following requirements and in the final form specified below.

1.1 DSCO 4-3-2 Technical Data Action Notice (TDAN) Number

The following number has been assigned to control the acquisition of all Engineering Drawings and Associated Lists produced under this contract: TDAN Number: 124471048

1.2 Applicable Documents

D-01-400-002/SF-000 dated 2011-03-01, Drawings, Engineering and Associated Lists.

D-LM-008-022/SG-000, Standard for Packaging of Documentation

ASME Y14.100, Engineering Drawing Practices

ASME Y14.24, Types and Applications of Engineering Drawings

ASME Y14.34M, Associated Lists

ISO 9660, Information Processing - Volume and File Structure of CDROM for Information Interchange

Z234.1-00, Canadian Metric Practices Guide

TIFF Revision 6, Adobe Systems Incorporated, dated June 3, 1992

1.3 New Drawings

The contractor must prepare and deliver Engineering Drawings and Associated Lists which meet the design disclosure and legibility requirements of the specified level as defined by the Canadian Forces Engineering Drawings and Associated Lists specification D-01-400-002/SF-000.

1.3.1 Drawing Level: level 2 Limited Production / Prototype

1.4 Drawing Practices

Drawing practices must be in accordance with ASME Y14.100.

2.0 Data Lists

Data Lists complete with Cover Sheets are required and must be prepared in accordance with ASME Y14.34M and supplied as part of the Engineering Drawings. Data Lists must be prepared at the item level of assembly (and/or end item) declared for future production by the Technical Authority. Cover sheets must be prepared as sheet one (1) of the Data List. Cover Sheets must include the Contract Number and a note which details the Intellectual Property Rights that apply to the data identified on the Data List (see para 7).

3.0 Reference Documents

Reference documents called up on the Engineering Drawings (excepting those, which are government, society and readily available industrial specifications or standards) must be included as part of the Engineering Drawings and Associated Lists.

4.0 Contractor Drawings

Existing Contractor Drawings being provided as part of the Engineering Drawing Package must meet the requirements of paragraph 3.2 of D-01-400-002/SF-000. In the event that Contractor Drawings do not meet the specified requirements the contractor must rework the drawings to ensure that the requirements are met.

5.0 Technical Data Action Notice (TDAN)

A TDAN must be prepared listing all Drawings and Associated Lists delivered as a result of the contract. A sample TDAN can be provided upon request.

5.1 Drawing System

The mono-detail drawing system must be used.

5.2 Drawing Types

The contractor must provide the necessary types of drawings that will satisfy the sophistication of the specified drawing level. Drawing types selected must be in accordance with ASME Y14.24. Type selection must be subject to the approval of both the DND Technical Authority and DSCO 4-3-2.

5.3 Parts Lists

Parts lists must be prepared integral with the drawings. On multi-sheet drawings, the parts list must be placed on sheet one (1).

5.4 Control Drawings

Control Drawings as defined in ASME Y14.24 must be prepared for commercial items approved for use in the design, which are not defined by Government or nationally recognized industrial specifications and standards.

5.5 Family-Tree Drawing(s)

The contractor must prepare a Family-Tree Drawing(s) of the complete configuration of the Engineering Drawing Package and it must be subject to the approval of both the DND Technical Authority and DSCO 4-3-2.

5.6 Units of Measure

The DND Technical Authority will determine the units of measure (metric or Imperial). Metric drawings must comply with Z234.1-00 Canadian Metric Practices Guide.

6.0 Integration

The prime Contractor must be fully responsible for the integration of the new and existing drawings to form a complete Engineering Drawing Package.

7.0 Data Rights

The Government of Canada must have rights in data as detailed in the Terms and Conditions of the contract.

7.1 Data Rights Legend

The Contractor must mark all Foreground & Background Engineering Drawings & Associated Lists delivered under this contract with a complete notation as detailed at "Intellectual Property Rights" and/or "Data Rights" clause(s) of the contract.

8.0 Quality Assurance Provisions

Quality of the Engineering Drawings and Associated Lists delivered on this contract is the responsibility of the contractor and subject to the quality requirements of the contract.

8.1 Acceptance

Acceptance of the Engineering Drawings, Associated Lists and Reference Documents for technical content requirements will be the responsibility of the DND Technical Authority. Acceptance of the Engineering Drawings, Associated Lists, Reference Documents and Electronic Data Deliverables for format requirements will be DSCO 4-3-2.

8.1.1 Interim Deliverables for Acceptance Purposes

Two complete, full-size, print copy sets of the Engineering Drawings, Associated Lists and Reference Data must be delivered in hard copy form for acceptance purposes (reduced size" print copies may be acceptable provided that they are legible). If the package cannot be accepted, for reasons of either technical content or format, it may be necessary to resubmit the print copy sets.

8.1.1.1 Level 1 - Design Concept

The Level 1 Engineering Drawings, Associated Lists and Reference Documents must be forwarded to the Technical Authority upon completion.

8.1.1.2 Level 2 - Prototype / Limited Production

Following acceptance of the Level 1 Engineering Drawings, Associated Lists and Reference Documents, the Level 2 Engineering Drawings, Associated Lists and Reference Documents must be forwarded to DSCO 4-3-2.

9.0 Final Deliverables

Upon acceptance, the Level 2 Engineering Drawings, Associated Lists and Reference Data must be delivered in soft copy form as outlined herein.

9.1 Soft Copy Deliverables

Soft copy deliverables must include the Engineering Drawings, Associated Lists, Reference Data and the associated Metadata in electronic form.

9.1.1 Engineering Drawings

Engineering Drawings must be delivered as Raster files as detailed herein. Multi-sheet drawings must be delivered one sheet per file.

9.1.2 Associated Lists

Associated Lists must be delivered as a PDF file (300 DPI) or in a format deemed acceptable by the DSCO 4-3-2.

9.1.3 Reference Documents

Reference Documents must be delivered as a PDF file (300 DPI) or in a format deemed acceptable by the DSCO 4-3-2.

9.1.4 TDAN

The TDAN must be delivered in the native MSWord file and a PDF file (300 DPI). Alternate file formats may be acceptable provided they have been discussed and approved in writing by DSCO 4-3-2. NOTE: One (1) hard copy of the TDAN complete with contractor's signatures must be provided with the final deliverables.

9.1.5 Metadata (Capture of Related Information)

Metadata (the data that describes data objects) must be provided for all Engineering Drawings, Associated Lists and Reference Data deliverables. Metadata records must contain the information in the order shown in Table 1. Metadata must be delivered as a Microsoft Access 2003 database shown at Figure 1.

9.1.5.1 Database Table

Each delivered image must have a corresponding database record. All records must be entered into a single Microsoft Access 2003 database table. Fields without corresponding information must remain blank. The Microsoft Access 2003 database file must be named "metadata.mdb".

9.1.6 File Formats for Raster Data

Raster data must be Tagged Image File Format in accordance with Adobe Systems Inc. specification "TIFF Revision 6", compressed to CCITT Group 4. Files must be UNTILED and be wholly raster (hybrid files must not be delivered).

9.1.6.1 Pel Density

Raster image pixel element (Pel) density must be 200 dpi.

9.1.6.2 Position of Pels:

Position of Pels must be as follows:

- i) Portrait Data: line progression 270 degrees, Pel path 0 degrees.
- ii) Landscape Data: line progression 270 degrees, Pel path 0 degrees.

9.1.6.3 Image Sizes

Image sizes as outlined in Table 2 are provided as a guide and sizes may vary slightly, but no more than plus or minus one inch (25 mm) in either width or length.

9.1.6.4 Cropping

Images must be cropped such that the engineering drawing is free from extraneous information. For example, drawing formats having an inside and an outside border must be cropped closely to the outside of the outside border.

Drawing formats having only one border, where zone or quadrant identification is outside of that border must be cropped such that the zone information is retained.

9.1.6.5 Skew Correction

In general, skew correction is not required. If the Contractor deems it necessary, correction must be done to 0 degrees and 90 degrees.

9.1.6.6 Despeckling

If any despeckling is required, the Contractor must ensure that data integrity is not compromised by this operation.

9.1.6.7 Image Foreground /Background

Images must be black on white background.

9.1.6.8 File Names/Batch Number Allocation

File names and a batch number must be requested in writing from DSCO 4-3-2. Quantity of file names required must be specified at the time of the request.

9.1.7 Media of Delivery

The media form for final delivery of electronic data must be CD-ROM, written in accordance with ISO 9660. (File compression software must not be used.) Each CD-ROM and its case must be labeled or marked in a method of the contractor's choosing. Each label or marking must display the Batch Number, Contract / Task number, TDAN number and the date the CD-ROM was created.

10.0 Packaging/Marking/Loss/Damage

Reproducible and non-reproducible data must be preserved packaged and marked in accordance with CF Standard D-LM-008-022/SG-000. Exterior shipping containers must be marked with the contract and TDAN number and in the event of loss or damage while in shipment, the responsibility for replacement must be that of the primary Contractor and must be at the primary Contractor's expense.

11.0 Mail Delivery

DSCO 4-3-2 Deliverables must be forwarded to:

Department of National Defence
National Defence Headquarters,
MGen George R. Pearkes Building,
OTTAWA ON K1A 0K2

Attention: DSCO 4-3-2, 1 LSTL NQ 09

TABLE 1 INDEX FIELDS

Order	Field Name	Max Field Length	Field Definition / Description	Example Entry
1	FILENAME <i>(all one word)</i>	12 (8.3)	Name of electronic file - unique filename for uploading in database. File names will be issued by DSCO 4-3-2. Alpha characters must be uppercase.	LZ000235.TIF
2	BATCHNO <i>(all one word)</i>	8	Batch number - used for uploading files in database. Batch number will be assigned with filenames. Alpha characters must be uppercase.	LZ001
3	DOCUMENTNO <i>(all one word)</i>	25	This field must contain the document number.	9775458
4	REVISION	3	Letter or number indicating the revision level. If there is no rev, indicate with dash ("-")	B
5	SHEETNO <i>(all one word)</i>	3	Sheet number x of y. Enter the value of x.	1
6	NOOFSHEETS <i>(all one word)</i>	3	Sheet number x of y. Enter the value of y.	1
7	FRAMENO <i>(all one word)</i>	3	Frame number x of y. Enter the value of x. (This field is applicable only when capturing data from aperture cards.) When field is not applicable, leave blank.	
8	NOOFFRAMES <i>(all one word)</i>	3	Frame number x of y. Enter the value of y. (This field is applicable only when capturing data from aperture cards.) When field is not applicable, leave blank.	
9	NSCM	5	This field must contain the NATO Supply Code for Manufacturers (NSCM) of the Owner of the data. (Also known as FSCM, CAGE or NCAGE code.)	35907
10	SIZE	2	This field contains the document size. -For imperial sizes use A, B, C, D, E, F, G, H, J, K and LE (for legal) -For metric sizes use A4, A3, A2,	A2

Order	Field Name	Max Field Length	Field Definition / Description	Example Entry
			A1, A0 and B1.	
11	ADDITIONALIDENTIFIER (all one word)	10	This open field must be used when two (2) or more documents have the same document number but are different documents. e.g. Document 12345, Document 12345 DCR 001, then "DCR 001" would be entered in this field. When field is not applicable, leave blank.	DCR 001
12	DATARIGHTS (all one word)	1	The data rights as specified in the contract. "L" for "LIMITED" or "U" for "UNLIMITED"	U
13	DOCUMENTTITLE (all one word)	240	Title of document. (i.e. Drawing title)	BRACKET ASSY
14	TDANNO (all one word)	12	This field must be used to enter the TDAN number assigned for the project.	124471048
15	ERN	12	This field must be used for the Equipment Registration Number. Information must be provided if required, otherwise the field must be left blank.	
16	EAC	8	This field must be used for the Equipment Application Code. Information must be provided if required, otherwise the field must be left blank.	
17	EQUIPMENT	75	Name of the Equipment. Information must be provided if required, otherwise the field must be left blank.	
18	CTAT	1	If the data is "Controlled Goods", DM Code "D" must be entered, otherwise the field must be left blank	D
19	PROJECTNAME	30	This field must be used for "Controlled Goods" data and will be filled in by DSCO 4-6. This field must be left blank.	

Solicitation No. - N° de l'invitation

W8476-144865/A

Amd. No. - N° de la modif.

File No. - N° du dossier

pv915W8476-144865

Buyer ID - Id de l'acheteur

pv915

CCC No./N° CCC - FMS No/ N° VME

TABLE 2 DRAWING SIZES

METRIC DRAWING SIZES			
Drawing Size	W x L (max) (mm)	Pels per line	Number of lines
A4	210 X 297	1656	2344
A3	297 X 420	2344	3312
A2	420 X 594	3312	4680
A1	594 X 841	4680	6624
A0	841 X 1189	6624	9368
B1	707 X 1000	5567	7875
NORTH AMERICAN / IMPERIAL DRAWING SIZES			
Drawing Size	W x L (max) (inches)	Pels per line	Number of lines
A	8.5 x 11	1704	2200
B	11 x 17	2200	3400
C	17 x 22	3400	4400
D	22 x 34	4400	6800
E	34 x 44	6800	8800
F	28 x 40	5600	8000
G	11 x 90	2200	18000
H	28 x 143	5600	28600
J	34 x 176	6800	35200
K	40 x 143	8000	28600
Legal	8.5 x 14	1704	2800

Sample record entries (Metadata) in database table:

(The following table is shown on three lines to suit page width.)

FILE NAME	BATCH NO	DOCUMENT NO	REVISION	SHEET NO	NO OF SHEETS	FRAME NO	NO OF FRAMES
LZ000235.TIF	LZ001	9775458	B	1	1	1	1
LZ000236.TIF	LZ001	9775457	-	1	1		

NSCM	SIZE	ADDITIONAL IDENTIFIER	DATA RIGHTS	DOCUMENT TITLE	TDANNO	ERN	EAC	EQUIPMENT
35097	A2	DCR 001	U	BRACKET ASSY	124471048			
35097	A1		U	BRACKET	124471048			

CTAT	PROJECT NAME
D	
D	

FIGURE 1 Sample Metadata Records

ANNEX A-6

GENERIC STATEMENT OF WORK FOR PUBLICATIONS

1.0 Introduction

This Statement of Work (SOW) defines the production and deliverable requirements of the technical publications to be provided by the Contractor.

2.0 Scope of Work

The Contractor must provide as a minimum all technical publications for operation, maintenance and parts list of the deliverable end item as determined by the DND Technical Authority (TA).

3.0 Applicable Documents

A-AD-100-100/AG-000	National Defence Publishing Policy and Administration Procedures
A-DS-100-100/AG-002	Writing, Format and Production Guide to Administrative, Operational and Tactical Publications
C-01-000-001/AG-001	Specification - Authoring Publishing & Distribution (APDS) Deliverables Requirements
C-01-100-100/AG-005	Specification - Acceptance of Commercial and Foreign Government Publications as Adopted Publications
C-01-100-100/AG-006	Specification - Writing, Format and Production of Technical Publications
C-01-100-100/AG-008	Specification - Writing Guide for Technical Documentation
D-LM-008-022/SG-000	Standard for Packaging of Documentation

4.0 Publications Format

The Contractor must provide as part of its proposal a recommended list of publications for approval by the DND / TA;

Option 1: Newly Written DND Manuals

All publications produced in both English and French, in one of the following formats, two (2) column - facing pages or separate issues. The selected format must be in full conformance with the current issue of C-01-100-100/AG-006., and the layout must follow the applicable DND "D" Specifications. The contractor must certify that the technical content of the translated version is technically accurate. Certificates must be provided to this effect in accordance with para 7.0 These manuals must be the "Copyright of the Crown / DND".

Option 2: Existing Commercial or Foreign Government Manuals

All publications provided as existing commercial or foreign government off the-shelf manuals must be in both English and French, in one of the formats mentioned in Option 1, meeting the requirements of the current issue of C-01-100-100/AG-005. If either the English or the French version is not available, the Contractor is responsible to translate into the second language and provide in commercial format. The contractor must certify that the technical content of the translated version is technically accurate. Certificates must be provided to this effect in accordance with para 6.0. The rights that the Crown / DND has been granted under the Terms and Conditions of the applicable contract must be clearly marked on the front matter of the Publication.

5.0 National Defence INdexing of Documentation (NDID) Assignment

The contractor must submit requests for NDID numbers to the DND / TA to obtain the numbers that will be assigned to the Publications.

6.0 Controlled Goods

The DND / TA must determine the controlled goods requirements for the Publications and provide direction to the contractor on the marking requirements to be applied.

7.0 Certificates

7.1 The Contractor must prepare Certificates of (refer to C-01-100-100/AG-006)

7.1.1 Validation (DND 590) for submission to the DND / TA;

7.1.2 Translation Accuracy Check (TAC);

7.1.3 Compliance (DND 591).

7.2 All final (soft and/or hard copy) deliverables must be accompanied by a duly completed Certificate of Compliance, certificates and a covering letter.

8.0 Quality Assurance

All Contractor procedures and practices must be subject to Government Quality Assurance (GQA) and must be in accordance with contract requirements.

9.0 Draft Deliverables for Acceptance Purposes

Acceptance of the Publications for technical content requirements will be the responsibility of the DND / TA. Acceptance of the Publications and Soft Copy deliverables for format requirements will be DSCO 4-3. The soft and/or hard copy deliverables required for review purposes must be in accordance with the DND / TA's instructions in conjunction with DSCO 4-3.

10.0 Final Deliverables

10.1 Soft Copy Deliverables:

Soft copy deliverables format must be prepared and provided in accordance with C-01-000-001/AG-001 as specified by the DND / TA in conjunction with DSCO 4-3.

10.2 Media of Delivery:

The Contractor must provide the electronic files on CD-ROM and /or DVDs. The CD-ROM or DVDs must be clearly labelled with the NDID number, publication title, corresponding file number(s) and type, contract number and task or requisition number.

10.3 Delivery:

Soft Copy Deliverables must be delivered to:

National Defence Headquarters (NDHQ)
MGen George R. Pearkes Building
101 Colonel By Drive
Ottawa Ontario
Canada
K1A 0K2
Attention: DSCO 4-3 1 LSTL (NQ-01)
Gatineau QC

10.4 Bulk Printing:

In accordance with the DND / TA's distribution requirements, bulk printing (hard copies) must be delivered to:

DSCO 4 Publications Depot
2140 Thurston Drive
Ottawa Ontario
Canada
K1A 0K7

Note: where applicable, the Contractor must deliver the soft copy files / hard copy technical publications simultaneously.

ANNEX B

REQUIREMENT / BASIS OF PAYMENT

The Department of National Defence has a requirement for the supply of 600 Combat Engineering Metal Detectors (CEMD) and associated ancillary equipment and Integrated Logistic Support (ILS) in accordance with the mandatory specifications detailed in Annex C for delivery to Edmonton, Alberta. Training and manuals is to be included.

The requirement also includes an irrevocable option to purchase up to three (3) additional training sessions within one (1) year after contract award.

Item	Description	Unit of Issu	Firm Qty	Firm unit price DDP (Edmonton, Alberta)
1	Combat Engineer Metal Detector (CEMD) including manuals as per the Statement of Work (Annex A) and in accordance with the mandatory specifications detailed in Annex C. CEMD consist of following elements: a) the detector; b) battery set; c) headset; d) hard transport case; e) soft carry case; f) operator tools; and g) Operator / Repair / Procedural manual with Parts List.	Each	600	\$ _____
	Training Session (prices must include all travel and living expenses)			
2	Operator Training Session in accordance with DID ILS 210 detailed in Annex A-3	Session	1	\$ _____
	Technician Training Session in accordance with DID ILS 211 detailed in Annex A-3	Session	1	\$ _____
3	Integrated Logistic Support (ILS) including all items detailed in Annex A-2	Lot	1	\$ _____

Optional Quantities (item 2)

Item	Description	Unit of Issue	Optional qties	Firm price (including all trave and living expenses)
2	Operator Training Session in accordance with DID ILS 210 detailed in Annex A-3. The locations for these three (3) training sessions are: Valcartier (Quebec), Petawawa (Ontario) and Edmonton (Alberta)	Session	3	\$ _____

ANNEX C
MANDATORY SPECIFICATIONS

DND requires a highly capable modern lightweight metal detector for the CF, which can be utilized in the land environment and provide the capability to detect concealed metallic explosive devices containing ferrous and non-ferrous components, weapons, booby-traps, Improvised Explosive Devices (IED), and Explosive Remnants of War (ERW) to alert soldiers while they conduct operations

Vendors must cross reference the mandatory technical criteria in a concise format by using page, paragraph(s) & sub-paragraphs as applicable to their supporting technical documentation.

Note: The verification testing (VT) of the detector will be based on ITOP 4-2-521 and CEN CWA 14747, and may use any real or simulated mine (SIM) as described in those documents.

Number	Mandatory specifications	Mandatory Specifications Description	Proof of Compliance: CS-R - Compliance Statement with References VT - Verification Testing Required (compliance documentation not required)	Bidder's Response/References
M1	Proven System	The CEMD must be a Military/Commercial-Off-The-Shelf (MOTS/COTS) system with at least 100 units currently in service with the armed forces of a NATO or ABCA country or newer versions of those same systems.	CS-R	
M2	Drift	The CEMD must not have variance of the signal stability exceeding 10% over thirty (30) minutes of use. Performance variance must not exceed 10% when the low battery warning is initiated (within 1 minute before or after low battery warning).	CS-R	

Number	Mandatory specifications	Mandatory Specifications Description	Proof of Compliance: CS-R - Compliance Statement with References VT - Verification Testing Required (compliance documentation not required)	Bidder's Response/References
M3	Confidence Tone	<p>The CEMD must have a confidence tone repeating every 15 seconds externally audible which must be heard without the need for a headset.</p> <p>The CEMD must provide the confidence tone available via a head set that will automatically turn the externally audible sound OFF when connected to the CEMD.</p> <p>The audio volume of the confidence tone of the CEMD must be adjustable by the user and have a clear discriminatory tone with the detection alarm tone.</p>	CS-R	
M4	ECM Resistance	<p>The CEMD must display no degradation in sensitivity nor any increase in reporting false positives in the presence of an RF signal compliant with MIL-STD-461F, RS103 for field strength of 4 V/m from 2 MHz to 18 GHz. See the Department of Defense Interface Standard MIL-STD-461F, Table VII, RS103 limits as a reference.</p> <p>NOTE: Results of third party testing to confirm this requirement may not be included as part of a bid package but must be provided prior to contract award.</p>	CS-R	

Number	Mandatory specifications	Mandatory Specifications Description	Proof of Compliance: CS-R - Compliance Statement with References VT - Verification Testing Required (compliance documentation not required)	Bidder's Response/ References
M5	Performance Requirement	The detection must be consistent, non-intermittent, repeatable under the same conditions and audible to a person with normal hearing.	VT	
M6	Climatic Conditions	The CEMD must meet CEN CWA 14747, Annex A while in AECTP 200 - Environmental Conditions (edition 3) climate categories A2, A3, B2, B3, and C0.	CS-R	
M7	Ingress Protection	The CEMD must have Ingress Protection code at least IP67 or better (waterproof and dust tight).	CS-R	
M8	Rain and Humidity	The CEMD must be capable of working without performance degradation during the rain and 100% humidity.	CS-R	

Number	Mandatory specifications	Mandatory Specifications Description	Proof of Compliance:	Bidder's Response/References																			
M19	Anthropometric Compatibility	<p>The CEMD must be ergonomically designed to become compatible with the range of all dimensional characteristics, as collected in DCIEM Report 98-CR-15 for CF personnel</p> <p>The CEMD must be useable by the 5th - 95th percentile male and female, as per Table A.</p>	CS-R																				
		<p>Table A: Anthropometric Measurements for Detector User:</p> <table border="1" data-bbox="634 1129 1122 1822"> <thead> <tr> <th data-bbox="634 1129 678 1213">Serial</th> <th data-bbox="634 1213 678 1388">Anthropometric Measurement</th> <th data-bbox="634 1388 678 1822">Percentile Value</th> </tr> </thead> <tbody> <tr> <td data-bbox="678 1129 711 1213">1</td> <td data-bbox="678 1213 711 1388" rowspan="4">Suprasternal Height (Feet to shoulder)</td> <td data-bbox="678 1388 711 1451">Male 5% - 1337mm</td> </tr> <tr> <td data-bbox="711 1129 743 1213"></td> <td data-bbox="711 1451 743 1514">Male 95% - 1525mm</td> </tr> <tr> <td data-bbox="743 1129 776 1213">1</td> <td data-bbox="743 1451 776 1514">Female 5% - 1248mm</td> </tr> <tr> <td data-bbox="776 1129 808 1213"></td> <td data-bbox="776 1451 808 1514">Female 95% - 1421mm</td> </tr> <tr> <td data-bbox="808 1129 841 1213">2</td> <td data-bbox="808 1213 841 1388" rowspan="4">Arm Length (Shoulder to tip of hand)</td> <td data-bbox="808 1388 841 1451">Male 5% - 720mm</td> </tr> <tr> <td data-bbox="841 1129 873 1213"></td> <td data-bbox="841 1451 873 1514">Male 95% - 844mm</td> </tr> <tr> <td data-bbox="873 1129 906 1213"></td> <td data-bbox="873 1451 906 1514">Female 5% - 659mm</td> </tr> <tr> <td data-bbox="906 1129 938 1213"></td> <td data-bbox="906 1451 938 1514">Female 95% - 744mm</td> </tr> </tbody> </table>	Serial	Anthropometric Measurement	Percentile Value	1	Suprasternal Height (Feet to shoulder)	Male 5% - 1337mm		Male 95% - 1525mm	1	Female 5% - 1248mm		Female 95% - 1421mm	2	Arm Length (Shoulder to tip of hand)	Male 5% - 720mm		Male 95% - 844mm		Female 5% - 659mm		Female 95% - 744mm
Serial	Anthropometric Measurement	Percentile Value																					
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Number	Mandatory specifications	Mandatory Specifications Description	Proof of Compliance: CS-R - Compliance Statement with References VT - Verification Testing Required (compliance documentation not required)	Bidder's Response/References
M10	Operational Clothing Compatibility	<p>The CEMD with the headset must be operationally compatible with the CF protective equipment and clothing and be capable of being used by an operator wearing summer and winter environmental clothing, the Chemical, Biological, Radiological, and Nuclear (CBRN) Defence ensemble, and EOD bomb suit without impeding detection operations.</p> <p>During typical detection operations, the soldier wears a helmet with a full visor, gloves, and a ballistic vest. The soldier could be required to operate the detector in full fighting order (including protective body armour), in full CBRN Defence ensemble (State 4 with mask), bomb suit, and in Improved Environmental Clothing System (IECS).</p>	CS-R	
M11	Hard Transport Case	The CEMD must include a hard protective case for transport and long term storage.	CS-R	
M12	Soft Carry Case	The detector must include a soft carry case for operational protection.	CS-R	
M13	Continuous Operation	The CEMD must be capable of operating continuously for at least six (6) hours at an operating temperature of 20C or more with one battery set.	CS-R	

Number	Mandatory specifications	Mandatory Specifications Description	Proof of Compliance: CS-R - Compliance Statement with References VT - Verification Testing Required (compliance documentation not required)	Bidder's Response/References
M14	Battery Charger	If the CEMD is provided with a rechargeable battery system, the battery charger must be integrated into the detector's single piece construction and the battery recharging must be accomplished in the detector using a garrison power source of 110VAC and a vehicle power source of 12VDC or 24 VDC.	CS-R	
M15	Special Tool	All servicing, maintenance and repair tasks must be capable of being carried out under field conditions with a minimum of special tools or equipment. Any special tools required by the operator/maintainer must be provided with each detector.	CS-R	
M16	Preventive maintenance	The preventive maintenance of the CEMD must be no more than once every one hundred (100) operating hours or twice a year, whichever occurs first.	CS-R	
M17	Corrosion Protection	The CEMD must be resistant to corrosion and deterioration caused by atmospheric conditions, airborne corrosive agents and salt.	CS-R	
M18	User Maintenance / Cleaning	The CEMD must incorporate design characteristics to enable cleaning, with hot and cold water and detergents or steam, without degrading the performance capability. Routine effort must not require more than 30 (thirty) minutes per day when required.	CS-R	

Number	Mandatory specifications	Mandatory Specifications Description	Proof of Compliance: CS-R - Compliance Statement with References VT - Verification Testing Required (compliance documentation not required)	Bidder's Response/References
M19	Reliability	The CEMD must not suffer any performance/functionality loss after prolonged storage of at least three (3) months and transportation on military vehicles.	CS-R	
M20	Life	The in-service life of the CEMD must be ten (10) years or more.	CS-R	
M21	Colour	The exterior components of the CEMD must be of matte, dark coloured materials IAW FED-STD-595B.	CS-R	
M22	Chemical Contamination and Decontamination	The CEMD must be capable of functioning normally after exposed to chemical contamination and decontamination.	CS-R	
M23	Performance in Neutral Soils	The CEMD must be capable of detecting minimum metal threats (MMT) (Type 72A AP mine or analog) buried at a depth of at least twelve (12) cm as measured between the soil surface and the top of the target.	VT	
M24	Performance in Moderate Soils	The CEMD must be capable of detect MMT (Type 72A AP mine or analog) buried at a depth of at least seven (7) cm as measured between the soil surface and the top of the target.	VT	
M25	Performance in Severe Soils	The CEMD must be capable of detecting MMT (Type 72A AP mine or analog) buried at a depth of at least five (5) cm as measured between the soil	VT	

| surface and the top of the target.

Number	Mandatory specifications	Mandatory Specifications Description	Proof of Compliance: CS-R - Compliance Statement with References VT - Verification Testing Required (compliance documentation not required)	Bidder's Response/References
M26	Detection of large metallic targets in Neutral soils	The CEMD must be capable of detecting buried large metal landmines such as TM-62, TM-46, TM-57, M-15 or military UXO such as 105/155mm artillery shells buried at a depth of at least twenty (20) cm as measured between the soil surface and the top of the target.	VT	
M27	Target Detection Adjacent to Large Metal Content in Neutral soils	The CEMD must be capable of detecting minimum metal threats (Type 72A AP mine or analog) located at a distance of fifty (50) cm as measured from the edge of the metal content of the mine to the edge of a large metal content such as rail track, metal electric pole etc	VT	
M28	Detection Alarm	The CEMD must have an externally audible alarm which must be heard without the need for a headset. The CEMD must provide the detection signal available via an ear piece or similar device that will automatically turn the externally audible sound OFF when connected to the CEMD. The audio volume of the detection alarm of the CEMD must be adjustable by the user, and have a clear, discriminatory tone when detection is made.	VT VT	

Number	Mandatory specifications	Mandatory Specifications Description	Proof of Compliance: CS-R - Compliance Statement with References VT - Verification Testing Required (compliance documentation not required)	Bidder's Response/References
M29	Start-up/Set-up	<p>Upon start up, the CEMD must conduct a self-diagnostic test, no longer than thirty (30) seconds, to confirm that all electronic components are functioning and properly connected.</p> <p>The CEMD must provide a fault indication when not functioning properly or improperly connected.</p>	VT	
M30	Low Power Indicator	<p>The CEMD must include a low power-warning system when the power supply reaches a state that the battery set requires replacing or recharging.</p>	VT	
M31	Visual Display	<p>If the control box of the CEMD is equipped with a display or lights to provide visual information, then the visual information must be capable of being seen under bright sunny conditions.</p> <p>The CEMD must have the capability to turn off and/or cover up the visual indicators.</p>	VT	
M32	Operational Suitability Requirements	<p>(a) Interference between Detectors: The CEMD must operate normally and achieve all performance requirements at a distance of four (4) meter or less of another CEMD.</p> <p>(b) RF Compatibility: The CEMD must be capable of detecting targets as stated in M2 and M3 of this table at a distance of ten (10) meter or less of common battlefield RF emitters (Note: Verification testing will be done using a distance of ten meter</p>	VT	

| only).

Number	Mandatory specifications	Mandatory Specifications Description	Proof of Compliance: CS-R - Compliance Statement with References VT - Verification Testing Required (compliance documentation not required)	Bidder's Response/ References
M33	Calibration	<p>The CEMD must not require more than two (2) minutes to calibrate and to conduct any soil compensation measures.</p> <p>The detector must be able to warn the operator when a re-calibration is required</p>	VT	
M34	Submersion	<p>The CEMD must function while detector's head is submersed in up to 30 cm of fresh water.</p>	VT	
M35	<p>Robustness:</p> <p>Robustness will be verified using two cycles of drop tests. After each cycle of drop test, the Detector will undergo a detection performance testing as stated in M2 of this table</p>	<p>The CEMD must be ruggedized enough to function after three (3) drops from a height of one (1) meter onto a hard compacted gravel surface without losing its capability of being collapsed and retracted normally and can be used in collapsed position for the operational state without difficulty.</p>	VT	
M36	Batteries/ Power Supply	<p>The CEMD must be compatible with standard CF in-service batteries such as 9 V, AA, D or C cell battery type(s) as either a primary or alternate battery type.</p>	VT	

Number	Mandatory specifications	Mandatory Specifications Description	Proof of Compliance: CS-R - Compliance Statement with References VT - Verification Testing Required (compliance documentation not required)	Bidder's Response/ References
M37	Design	<p>The design of the CEMD must be of one piece retractable or collapsible construction.</p> <p>The CEMD must be designed IAW MIL-STD-810G, Department of Defense Test Method Standard: Environmental Engineering Considerations and Laboratory Tests.</p>	VT	
M38	Size/ Compactness	<p>The CEMD must be capable of being compacted and carried externally (slung or webbed).</p>	VT	
M39	Weight	<p>Total weight of the CEMD, in full operational configuration including six (6) hours of installed battery power capacity and headset, must not exceed three and quarter (3.25) kilograms (kg).</p>	VT	
M40	Adjustable	<p>The CEMD must be capable of being used by an operator while standing, kneeling, or in a prone position.</p>	VT	

ANNEX C-1

COMBAT ENGINEER METAL DETECTOR (CEMD) USABILITY TRIAL PLAN

1. PURPOSE

- 1.1 The ease of use of the CEMD is a critical factor. The Usability Trial will measure the time an operator takes to use the CEMD through a representative metal detection scenario.

2. TRAINING

- 2.1 Each bidder must provide up to four (4) hours of on-site training for the use and operation of the CEMD to the DND evaluation team prior to the usability trial. Each bidder must provide an operator(s) who will be used in the User Trial. An indoor space will be made available for instruction on theory. A small outside area that is clear of metal will also be made available for practical instruction. The syllabus (ie. split between theory and practical) is left to the discretion of the vendor.

3. TARGETS

- 3.1 Targets for the Linear Search will consist of minimum metallic targets buried to approximately 85% of the depth defined as the mandatory detection levels as defined in Annex C - Mandatory specifications for a combat engineer metal detector.
- 3.2 In neutral soil, the targets will be buried to depths not greater than 10 cm.
- 3.3 In moderate soil, the targets will be buried to depths not greater than 5 cm.
- 3.4 Severe soil will not be used in the User Trial.
- 3.5 No false targets will be inserted into the test lanes.

4. TEST PROCEDURE

- 4.1 Phase I - Manoeuvre (5 points):
 - 4.1.1 The CEMD will be stored in its soft case inside a military vehicle with batteries not installed but packed in the soft case.
 - 4.1.2 The operator in full combat gear, including weapon and daypack, will be seated and secured inside the military vehicle. The daypack will be filled with displacing material with a volume and mass to represent the typical pack that the operator is expected to carry.

- 4.1.3 On the start command (zero time for this phase), the operator will:
 - 4.1.3.1 Unpack the CEMD from the soft case and install batteries.
 - 4.1.3.2 Confirm that the batteries are functional by running the system through the self test.
 - 4.1.3.3 Secure the CEMD in preparation for patrol. It is not necessary to insert the CEMD inside the daypack.
 - 4.1.3.4 Open the vehicle's door and exit the vehicle.
 - 4.1.3.5 If the operator was unable to confirm the battery capacity inside the vehicle, the operator must perform the battery check at this point.
 - 4.1.3.6 Proceed to the obstacle. The obstacle will be designed such that the operator must manoeuvre through a tight opening that can snag the weapon, daypack or other items the operator may be carrying.
 - 4.1.3.7 The operator may choose to re-organize his/her equipment prior to traversing the obstacle.
 - 4.1.3.8 The operator traverses the obstacle and proceeds to the first test lane. The time is noted (Manoeuvre Phase I time) once the operator reaches the lane.

4.2 Phase I - Search in Neutral soil (20 points)

- 4.2.1 On the start command (zero time for this phase), the operator will:
 - 4.2.1.2 Prepare the CEMD for metal search (unpack, assemble, power-on, self-test, noise cancelation, soil compensation). An area will be provided for soil compensation. If the operator has been trained to recognize the soil, he/she may choose not to implement the soil compensation procedure.
 - 4.2.1.2 Scan a 1m by 3m marked lane and place poker chips on each location that produces an alarm.
 - 4.2.1.3 Power-off, disassemble and pack the CEMD. The time is noted (Search Phase I time) once the operator has completed.

4.3 Phase II - Manoeuvre

The test area for the neutral soil is separated from the area with the moderate soil by a short distance. The operator will move from one area to the other without the time being recorded.

4.4 Phase II - Search in Moderate soil (20 points)

- 4.4.1 On the start command (zero time for this phase), the operator will:
 - 4.4.1.1 Prepare the CEMD for metal search (unpack, assemble, power-on, self-test, noise cancelation, soil compensation). An area will be provided for soil compensation. The operator will be instructed to use the soil compensation procedure (if the detector has the capability).
 - 4.4.1.2 Scan a 1m by 3m marked lane and place poker chips on each location that produces an alarm.
 - 4.4.1.3 Power-off, disassemble and pack the CEMD. The time is noted (Search Phase II time) once the operator has completed.

4.5 Phase III - Manoeuvre (5 points)

4.5.1 On the start command (zero time for this phase), the operator will:

4.5.1.1 Ensure that the CEMD is properly stored in or on the daypack.

4.5.1.2 Proceed to and transverse the obstacle.

4.5.1.3 Proceed to and enter the military vehicle.

4.5.1.4 Unpack the CEMD from the daypack and store into the soft case. The time is noted (Manoeuvre Phase II time).

5. RECORD OF ALARMS

5.1 Photos will be taken by DND after each pass of the lane and will be used to compare the operator's alarms with the ground truth. The total number of positive detections will be determined as will the total number of false positive alarms.

6. PENALTIES

6.1 In order to account for the time that would be lost by the user while investigating false positive alarms, a time penalty will be assessed for each false positive detection during the two search phases (i.e. when user places a poker chip where no target exists). To calculate the time penalty, the current in-service mine detector base time is used. 5% of the F1A4 base time is used as the penalty for a false target.

6.2 More significantly, if an operator fails to identify a legitimate target (which in reality could result in grievous injury or death), a time penalty of 20% of the F1A4 base time is used as the penalty time for a missed target.

7. SUMMARY

7.1 For each operator / detector combination, a single time value will be calculated and consists of the summation of the two manoeuvre phases, two search phases and any penalties. For each soil type, a maximum of 20 points will be awarded to samples that are 20% or more faster than the base F1A4 time. 0 points will be awarded for samples that take 200% or longer

ANNEX C-2

POINT RATED CRITERIA

Serial	Key Requirement Criteria with References	Requirement Description	Evaluation Method / Scale
R1	Usability Trial Plan	See Annex C-1	VT / 50 points
R2	Calibration (see Annex C, M-12)	It is desirable that the CEMD should not require more than one (1) minute to calibrate and to conduct any soil compensation measures. 1 point will be given for a time of 60 seconds or longer. For each second faster than 60 seconds, 1/9 of a point will be granted up to a maximum of 5 points.	VT / 5 points
R3	Automatic calibration / recalibration	The CEMD should have automatic calibration / recalibration capability. If CEMD is capable of automatic recalibration then it will be awarded +5 points.	VT / 5 points
R4	Size/ Compactness (see Annex C, M-17)	It should be capable of being stowed inside the soldier's tactical CADPAT Day Pack, so as to not exceed a size of 56 cm x 35 cm x 23 cm (volume 45 L). If capable of being stored in Day Pack: +5 pts	VT / 5 points
R5	Weight (see Annex C, M-18)	It is desirable that the CEMD be lighter than 3.25 kilograms with batteries installed. 1 point will be given for a weight of 3.2 kg or greater. For each 0.1 kg of weight less than 3.2 kg, 0.5 points will be granted up to a maximum of 5 points.	VT / 5 points
R6	Updates and Modifications	The CEMD should have capability to update the detection systems operational parameters and to upgrade the operating software at unit level if desired. Do not meet: 0 point Do meet: 5 points	CS-R / 5 points
R7	Performance in Neutral Soils (see Annex C, M-2)	It is desirable that the CEMD should be capable of detecting MMT (Type 72A AP mine or analog) buried at a depth of at least fifteen (15) cm. 1 point will be given for detection depth of 12 cm or less. For each 1 cm of detection depth greater than 12 cm, 1 point will be granted up to a maximum of 5 points.	VT / 5 points
R8	Performance in Moderate Soils (see Annex C, M-3)	It is desirable that the CEMD should be capable of detecting MMT (Type 72A AP mine or analog) buried at a depth of at least nine (9) cm. 1 point will be given for detection depth of 7 cm or less. For each 1 cm of detection depth greater than 7 cm, 1 point will be granted up to a maximum of 5 points.	VT / 5 points
R9	Performance in Severe Soils (see Annex C, M-4)	It is desirable that the CEMD should be capable of detecting MMT (Type 72A AP mine or analog) buried at a depth of at least nine (9) cm. 1 point will be given for detection depth of 5 cm or less. For each 1 cm of detection depth greater than 5 cm, 1 point will be granted up to a maximum of 5 points.	VT / 5 points

Serial	Key Requirement Criteria with References	Requirement Description	Evaluation Method / Scale
R10	Additional Detection Capabilities	<p>The CEMD should have additional detection capabilities enabling positive detection of Challenging Non-Conventional (CNC) targets. These target types include, but are not limited to: non-ferrous, low-conductivity targets such as pressed carbon rods; poor geometry, high conductivity targets such as lamp wire; air gap switch targets such as bottle switches.</p> <p>Do not meet: 0 point Do meet: 5 points</p>	VT / 5 points
R11	Target Discrimination	<p>If the CEMD has additional detection capabilities enabling positive detection of Challenging Non-Conventional (CNC) targets as identified in Rated Requirement R10, it should be capable of discriminating between conventional MMT and CNC targets.</p> <p>Do not meet: 0 point Do meet: 5 points</p>	VT / 5 points
Total Points		R1 (50 Points) + R2-R11(50 points)	100 points