



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

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**

11 Laurier St. / 11, rue Laurier

Place du Portage , Phase III

Core 0B2 / Noyau 0B2

Gatineau

Québec

K1A 0S5

Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

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

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

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

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

Comments - Commentaires

Title - Sujet NIGHT VISION DEVICES	
Solicitation No. - N° de l'invitation W8476-196060/A	Date 2019-02-28
Client Reference No. - N° de référence du client W8476-196060	
GETS Reference No. - N° de référence de SEAG PW-\$\$QF-118-27224	
File No. - N° de dossier 118qf.W8476-196060	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-03-21	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Vallée, Jackie	Buyer Id - Id de l'acheteur 118qf
Telephone No. - N° de téléphone (819) 420-4540 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

Raison sociale et adresse du

fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Electronics, Simulators and Defence Systems Div. /Division
des systèmes électroniques et des systèmes de simulation et
de défense

11 Laurier St. / 11, rue Laurier

8C2, Place du Portage

Gatineau

Québec

K1A 0S5

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

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	3
1.1 SECURITY REQUIREMENTS	3
1.2 REQUIREMENT	3
1.3 SUMMARY	3
1.4 PHASED BID COMPLIANCE PROCESS	3
1.5 DEBRIEFINGS	3
1.6 TRADE AGREEMENTS	3
1.7 EPOST CONNECT SERVICE	4
PART 2 - BIDDER INSTRUCTIONS	5
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS	5
2.2 SUBMISSION OF BIDS.....	5
2.3 ENQUIRIES - BID SOLICITATION	5
2.4 APPLICABLE LAWS.....	6
PART 3 - BID PREPARATION INSTRUCTIONS.....	7
3.1 BID PREPARATION INSTRUCTIONS	7
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	10
4.1 EVALUATION PROCEDURES.....	10
4.2 BASIS OF SELECTION.....	14
PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION	16
5.1 CERTIFICATIONS REQUIRED WITH THE BID	16
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION	16
PART 6 - RESULTING CONTRACT CLAUSES	18
6.1 SECURITY REQUIREMENTS	18
6.2 REQUIREMENT	18
6.3 STANDARD CLAUSES AND CONDITIONS.....	18
6.4 TERM OF CONTRACT	18
6.5 DELIVERY POINTS.....	19
6.6 AUTHORITIES	19
6.7 PAYMENT	20
6.8 INVOICING INSTRUCTIONS	21
6.9 CERTIFICATIONS AND ADDITIONAL INFORMATION.....	22
6.10 APPLICABLE LAWS.....	22
6.11 PRIORITY OF DOCUMENTS	22
6.12 DEFENCE CONTRACT	22
6.13 <i>SACC MANUAL</i> CLAUSES	22
6.14 SHIPPING INSTRUCTIONS - DELIVERY AT DESTINATION	23
6.15 <i>SACC MANUAL</i> CLAUSES	23
6.16 NORTH ATLANTIC TREATY ORGANIZATION CODIFICATION - DATA REQUIREMENTS.....	23
6.17 PROVISIONING PARTS BREAKDOWN – CONTRACT	24
6.18 RECOMMENDED SPARE PARTS LIST - CONTRACT	24
6.19 TECHNICAL PUBLICATIONS: OPERATOR MANUAL AND MAINTENANCE MANUAL (IF APPLICABLE) — CONTRACT.....	25
6.20 PREPARATION FOR DELIVERY	25

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

6.21 DELIVERY AND UNLOADING	25
SCHEDULE 1	26
PRICING SCHEDULE	26
ANNEX "A"	28
STATEMENT OF WORK	28
APPENDIX 1: SYSTEM REQUIREMENTS SPECIFICATION	28
APPENDIX 2: REFERENCES, ACRONYMS AND GLOSSARY	28
ANNEX "B"	29
LIST OF DELIVERABLES.....	29
ANNEX "C" TO PART 3 OF THE BID SOLICITATION	30
ELECTRONIC PAYMENT INSTRUMENTS	30
ANNEX "D" TO PART 5 OF THE BID SOLICITATION	31
FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION.....	31
ANNEX "E"	32
TECHNICAL BID EVALUATION MATRIX	32

PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement applicable to the requirement.

1.2 Requirement

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

1.3 Summary

The Department of National Defence (DND) has a requirement for the acquisition of Monocular Night Vision Devices (MNVD) and associated accessories. The MNVD being procured are intended for domestic, operational and training use by soldiers of the Canadian Armed Forces (CAF) Primary Reserve.

The resulting contract will be for a period of three (3) years with options for up to two (2) additional one periods. The initial requirement is for the acquisition of a quantity of three hundred (300) units, and associated Integrated Logistics Services deliverables with options to acquire a total of up to 2500 systems throughout the period of the contract.

- 1.3.1** This procurement is subject to the Controlled Goods Program. The [*Defence production Act*](#) defines Canadian Controlled Goods as certain goods listed in Canada's Export Control List, a regulation made pursuant to the Export and Import Permits Act (EIPA)."
- 1.3.2** The Federal Contractors Program (FCP) for employment equity applies to this procurement; see Part 5 – Certifications and Additional Information, Part 6 - Resulting Contract Clauses and the annex titled [*Federal Contractors Program for Employment Equity - Certification.*](#)"

1.4 Phased Bid Compliance Process

The Phased Bid Compliance Process (PBCP) applies to this requirement.

1.5 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 from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.6 Trade Agreements

The requirement is subject to the provisions of the Canadian Free Trade Agreement (CFTA). The following trade agreements do not apply the requirement. World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA).

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

1.7 epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<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](#) (2018-05-22) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 3.a) of Section 01, Integrity Provisions - Bid of the Standard Instructions ([2003](#)) incorporated by reference above is deleted in its entirety and replaced with the following:

- a. at the time of submitting an arrangement under the Request for Supply Arrangements (RFS), the Bidder has already provided a list of names, as requested under the [Ineligibility and Suspension Policy](#). During this procurement process, the Bidder must immediately inform Canada in writing of any changes affecting the list of names“.

2.1.1 Condition of Material – Bid

B1000T Condition of Material – Bid (2014-06-26)

2.2 Submission of Bids

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

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

2.2.1 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least five (5) days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) 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

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. Bidders must provide their bid in a single transmission. The epost Connect service has the capacity to receive multiple documents, up to 1GB per individual attachment.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies) and 2 soft copies on CD/DVD

Section II: Financial Bid (1 hard copy) and 1 soft copy on CD/DVD

Section III: Certifications (1 hard copy) and 1 soft copy on CD/DVD

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

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 hard copy 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](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

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

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements. Bidders should demonstrate their capability and describe their approach in a thorough, concise and clear manner for meeting the requirement.

In their technical bid, Bidders should demonstrate their understanding of the requirements contained in Annex "A" – Statement of Work, its appendices and in accordance with Annex "E" – Technical Bid Evaluation Matrix.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated, in accordance with Annex "E". Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections in their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

Bidders should provide the exact location of the brochures, document, and evidence of compliance, proof or any other material submitted with the Technical Bid to demonstrate compliance.

Bidders should provide their responses in its technical proposal as per the following:

1. A compliance statement ("Compliant" or "Non-Compliant"). "Compliant" statement will be interpreted as meaning full agreement with the requirement, whereas a "Non-compliant" statement will be interpreted as meaning not in full agreement with the requirement and the proposal will be deemed nonresponsive and not given any further consideration.
2. For mandatory requirements, statements such as "Read", "Comply with the Intent", "Partial Compliance", "Noted" or the like will be considered as non-responsive; Paragraphs, elements and subparagraphs that convey information rather than a requirement must be marked with "Noted and Understood".

Section II: Financial Bid

Bidders must submit their financial bid for items 001, 002 and 003 in accordance with Annex "B" – Deliverables and Schedule "1" – Pricing Schedule.

The Bidder shall provide, as a minimum, the following information:

- The full legal name of the Bidder.
- All clauses or sections with a fill-in (blank) which are to be signed, are to be completed and returned as part of the proposal.
- Clear indication of acceptance of all terms and conditions of the Solicitation document including the Resulting Contractual Clauses (Part 6).
- The Bidder shall provide the information requested in Schedule "1" – Pricing. Schedule 1 is provided as a guideline in preparing the pricing response.
- The prices shall be quoted in Canadian Dollars, DDP – Delivered Duty Paid 2000 at delivery points Indicated at Article 6.5. Applicable Taxes are extra if applicable and must be shown separately.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex “C” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “C” Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

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

3.1.3 SACC Manual Clauses

B4055T Material Change Notice – Bid (2014-06-26)

B4051T Provisioning Parts Breakdown – Bid (2014-06-26)

B4052T Recommended Spare Parts List – Bid (2014-06-26)

B4057T Technical publications: Operator Manuals and Maintenance Manuals (if applicable) - Bid (2017-11-28)

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

The certifications provided by the Bidders to Canada are subject to verification by Canada at all times. Unless specified elsewhere, Canada will declare a bid non-responsive, or a contractor in default 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 will render the bid non-responsive or constitute a default under the Contract.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada and ADGA Group Consultants Inc. will evaluate the bids.
- (c) Canada will use the Phased Bid Compliance Process described below.
- (d) The definition of mandatory requirements are as follows:

MANDATORY REQUIREMENTS: Bidders should note that all MANDATORY requirements are identified specifically with the word "shall", "must" or "mandatory". In the case where a MANDATORY items cannot or is not complied with, the Bid shall receive no further consideration.

- (e) Compliance with all the mandatory provisions of the RFP, including, without limitation, all Annexes, Appendices and the terms and conditions applicable to any resulting contract is mandatory.

4.1.1 Phased Bid Compliance Process

4.1.1.1 (2018-07-19) General

- (a) Canada is conducting the PBCP described below for this requirement.
- (b) Notwithstanding any review by Canada at Phase I or II of the PBCP, Bidders are and will remain solely responsible for the accuracy, consistency and completeness of their Bids and Canada does not undertake, by reason of this review, any obligations or responsibility for identifying any or all errors or omissions in Bids or in responses by a Bidder to any communication from Canada.

THE BIDDER ACKNOWLEDGES THAT THE REVIEWS IN PHASE I AND II OF THIS PBCP ARE PRELIMINARY AND DO NOT PRECLUDE A FINDING IN PHASE III THAT THE BID IS NON-RESPONSIVE, EVEN FOR MANDATORY

REQUIREMENTS WHICH WERE SUBJECT TO REVIEW IN PHASE I OR II AND NOTWITHSTANDING THAT THE BID HAD BEEN FOUND RESPONSIVE IN SUCH EARLIER PHASE. CANADA MAY DEEM A BID TO BE NON-RESPONSIVE TO A MANDATORY REQUIREMENT AT ANY PHASE.

THE BIDDER ALSO ACKNOWLEDGES THAT ITS RESPONSE TO A NOTICE OR A COMPLIANCE ASSESSMENT REPORT (CAR) (EACH DEFINED BELOW) IN PHASE I OR II MAY NOT BE SUCCESSFUL IN RENDERING ITS BID RESPONSIVE TO THE MANDATORY REQUIREMENTS THAT ARE THE SUBJECT OF THE NOTICE OR CAR, AND MAY RENDER ITS BID NON-RESPONSIVE TO OTHER MANDATORY REQUIREMENTS.

- (c) Canada may, in its discretion, request and accept at any time from a Bidder and consider as part of the Bid, any information to correct errors or deficiencies in the Bid that are clerical or administrative, such as, without limitation, failure to sign the Bid or any part or to checkmark a box in a form, or other failure of format or form or failure to acknowledge; failure to provide a procurement business number or contact information such as names, addresses and telephone numbers; inadvertent errors in numbers or calculations that do not change the amount the Bidder

has specified as the price or of any component thereof that is subject to evaluation. This shall not limit Canada's right to request or accept any information after the bid solicitation closing in circumstances where the bid solicitation expressly provides for this right. The Bidder will have the time period specified in writing by Canada to provide the necessary documentation. Failure to meet this deadline will result in the Bid being declared non-responsive.

- (d) The PBCP does not limit Canada's rights under Standard Acquisition Clauses and Conditions (SACC) 2003 (2018-05-22) Standard Instructions – Goods or Services – Competitive Requirements nor Canada's right to request or accept any information during the solicitation period or after bid solicitation closing in circumstances where the bid solicitation expressly provides for this right, or in the circumstances described in subsection (c).
- (e) Canada will send any Notice or CAR by any method Canada chooses, in its absolute discretion. The Bidder must submit its response by the method stipulated in the Notice or CAR. Responses are deemed to be received by Canada at the date and time they are delivered to Canada by the method and at the address specified in the Notice or CAR. An email response permitted by the Notice or CAR is deemed received by Canada on the date and time it is received in Canada's email inbox at Canada's email address specified in the Notice or CAR. A Notice or CAR sent by Canada to the Bidder at any address provided by the Bidder in or pursuant to the Bid is deemed received by the Bidder on the date it is sent by Canada. Canada is not responsible for late receipt by Canada of a response, however caused.

4.1.1.2 (2018-03-13) Phase I: Financial Bid

- (a) After the closing date and time of this bid solicitation, Canada will examine the Bid to determine whether it includes a Financial Bid and whether any Financial Bid includes all information required by the solicitation. Canada's review in Phase I will be limited to identifying whether any information that is required under the bid solicitation to be included in the Financial Bid is missing from the Financial Bid. This review will not assess whether the Financial Bid meets any standard or is responsive to all solicitation requirements.
- (b) Canada's review in Phase I will be performed by officials of the Department of Public Works and Government Services.
- (c) If Canada determines, in its absolute discretion that there is no Financial Bid or that the Financial Bid is missing all of the information required by the bid solicitation to be included in the Financial Bid, then the Bid will be considered non-responsive and will be given no further consideration.
- (d) For Bids other than those described in c), Canada will send a written notice to the Bidder ("Notice") identifying where the Financial Bid is missing information. A Bidder, whose Financial Bid has been found responsive to the requirements that are reviewed at Phase I, will not receive a Notice. Such Bidders shall not be entitled to submit any additional information in respect of their Financial Bid.
- (e) The Bidders who have been sent a Notice shall have the time period specified in the Notice (the "Remedy Period") to remedy the matters identified in the Notice by providing to Canada, in writing, additional information or clarification in response to the Notice. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the Notice.
- (f) In its response to the Notice, the Bidder will be entitled to remedy only that part of its Financial Bid which is identified in the Notice. For instance, where the Notice states that a required line item has been left blank, only the missing information may be added to the Financial Bid, except that,

in those instances where the addition of such information will necessarily result in a change to other calculations previously submitted in its Financial Bid, (for example, the calculation to determine a total price), such necessary adjustments shall be identified by the Bidder and only these adjustments shall be made. All submitted information must comply with the requirements of this solicitation.

- (g) Any other changes to the Financial Bid submitted by the Bidder will be considered to be new information and will be disregarded. There will be no change permitted to any other Section of the Bidder's Bid. Information submitted in accordance with the requirements of this solicitation in response to the Notice will replace, in full, **only** that part of the original Financial Bid as is permitted above, and will be used for the remainder of the bid evaluation process.
- (h) Canada will determine whether the Financial Bid is responsive to the requirements reviewed at Phase I, considering such additional information or clarification as may have been provided by the Bidder in accordance with this Section. If the Financial Bid is not found responsive for the requirements reviewed at Phase I to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.
- (i) Only Bids found responsive to the requirements reviewed in Phase I to the satisfaction of Canada, will receive a Phase II review.

4.1.1.3 (2018-03-13) Phase II: Technical Bid

- (a) Canada's review at Phase II will be limited to a review of the Technical Bid to identify any instances where the Bidder has failed to meet any Eligible Mandatory Criterion. This review will not assess whether the Technical Bid meets any standard or is responsive to all solicitation requirements. Eligible Mandatory Criteria are all mandatory technical criteria that are identified in this solicitation as being subject to the PBCP. Mandatory technical criteria that are not identified in the solicitation as being subject to the PBCP, will not be evaluated until Phase III.
- (b) Canada will send a written notice to the Bidder (Compliance Assessment Report or "CAR") identifying any Eligible Mandatory Criteria that the Bid has failed to meet. A Bidder whose Bid has been found responsive to the requirements that are reviewed at Phase II will receive a CAR that states that its Bid has been found responsive to the requirements reviewed at Phase II. Such Bidder shall not be entitled to submit any response to the CAR.
- (c) A Bidder shall have the period specified in the CAR (the "Remedy Period") to remedy the failure to meet any Eligible Mandatory Criterion identified in the CAR by providing to Canada in writing additional or different information or clarification in response to the CAR. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the CAR.
- (d) The Bidder's response must address only the Eligible Mandatory Criteria listed in the CAR as not having been achieved, and must include only such information as is necessary to achieve such compliance. Any additional information provided by the Bidder which is not necessary to achieve such compliance will not be considered by Canada, except that, in those instances where such a response to the Eligible Mandatory Criteria specified in the CAR will necessarily result in a consequential change to other parts of the Bid, the Bidder shall identify such additional changes, provided that its response must not include any change to the Financial Bid.
- (e) The Bidder's response to the CAR should identify in each case the Eligible Mandatory Criterion in the CAR to which it is responding, including identifying in the corresponding section of the original Bid, the wording of the proposed change to that section, and the wording and location in the Bid of any other consequential changes that necessarily result from such change. In respect of any such consequential change, the Bidder must include a rationale explaining why such

consequential change is a necessary result of the change proposed to meet the Eligible Mandatory Criterion. It is not up to Canada to revise the Bidder's Bid, and failure of the Bidder to do so in accordance with this subparagraph is at the Bidder's own risk. All submitted information must comply with the requirements of this solicitation.

- (f) Any changes to the Bid submitted by the Bidder other than as permitted in this solicitation, will be considered to be new information and will be disregarded. Information submitted in accordance with the requirements of this solicitation in response to the CAR will replace, in full, **only** that part of the original Bid as is permitted in this Section.
- (g) Additional or different information submitted during Phase II permitted by this section will be considered as included in the Bid, but will be considered by Canada in the evaluation of the Bid at Phase II only for the purpose of determining whether the Bid meets the Eligible Mandatory Criteria. It will not be used at any Phase of the evaluation to increase or decrease any score that the original Bid would achieve without the benefit of such additional or different information. For instance, an Eligible Mandatory Criterion that requires a mandatory minimum number of points to achieve compliance will be assessed at Phase II to determine whether such mandatory minimum score would be achieved with such additional or different information submitted by the Bidder in response to the CAR. If so, the Bid will be considered responsive in respect of such Eligible Mandatory Criterion, and the additional or different information submitted by the Bidder shall bind the Bidder as part of its Bid, but the Bidder's original score, which was less than the mandatory minimum for such Eligible Mandatory Criterion, will not change, and it will be that original score that is used to calculate any score for the Bid
- (h) Canada will determine whether the Bid is responsive for the requirements reviewed at Phase II, considering such additional or different information or clarification as may have been provided by the Bidder in accordance with this Section. If the Bid is not found responsive for the requirements reviewed at Phase II to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.
- (i) Only Bids found responsive to the requirements reviewed in Phase II to the satisfaction of Canada, will receive a Phase III evaluation.

4.1.1.4 (2018-03-13) Phase III: Final Evaluation of the Bid

- (a) In Phase III, Canada will complete the evaluation of all Bids found responsive to the requirements reviewed at Phase II. Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) A Bid is non-responsive and will receive no further consideration if it does not meet all mandatory evaluation criteria of the solicitation.

The Phased Bid Compliance Process will apply to all mandatory technical criteria identified in Annex "E" – Technical Bid Evaluation Matrix.

4.1.2 Technical Evaluation

4.1.2.1 Mandatory Technical Criteria

Mandatory technical evaluation criteria are included in Annex "E" – Technical Bid Evaluation Matrix.

4.1.2.2 Point Rated Technical Criteria

Point rated technical evaluation criteria are included in Annex "E" – Technical Bid Evaluation Matrix.

4.1.3 Financial Evaluation

1. Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.
2. Bids will be assessed on a Delivery Duty Paid (DDP) basis.
3. For the purpose of the bid solicitation, bidders with an address in Canada are considered Canadian-based bidders and bidders with an address outside of Canada are considered foreign-based bidders.

4.1.3.1 Evaluated Price

The evaluated price used to determine the pricing score for the Basis of Selection will be calculated as follows:

Price Evaluation will be based on Schedule "1" – Pricing Schedule; Table 1 and Table 2 only.

Evaluated Price = Table 1 (A) + Table 2 (B) + (C) + (D)

4.2 Basis of Selection

4.2.1 Basis of Selection - Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory criteria; and
2. Bids not meeting (a) or (b) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 60% for the technical merit and 40% for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 60%.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 40%.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.

7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the winning bid is determined by a 60/40 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

Basis of Selection - Highest Combined Rating Technical Merit (60%) and Price (40%)				
		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		115/135	89/135	92/135
Bid Evaluated Price		\$55,000.00	\$50,000.00	\$45,000.00
Calculations	Technical Merit Score	$115/135 \times 60 = 51.11$	$89/135 \times 60 = 39.56$	$92/135 \times 60 = 40.89$
	Pricing Score	$45/55 \times 40 = 32.73$	$45/50 \times 40 = 36.00$	$45/45 \times 40 = 40.00$
Combined Rating		83.84	75.56	80.89
Overall Rating		1st	3rd	2nd

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default 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 will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 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 available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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.

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

The Bidder must provide the Contracting Authority with a completed annex titled 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.

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

There is no security requirement applicable to the Contract.

6.2 Requirement

The Contractor must provide Monocular Night Vision Devices in accordance with the Requirement at Annex "A" and its appendices.

The acquisition of optional items under the Contract will be on an "as and when requested basis"; The option(s) may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

[2010A](#) (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is, for three (3) years, from date of Contract to _____inclusive.

6.4.2 Delivery Date

All the deliverables must be received within _____ days of contract award.

6.4.3 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to two (2) additional one (1) year period(s) under the same conditions. *The pricing for the option periods will be subject to negotiation prior to the extended period.* The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least sixty (60) calendar days before the expiry date of the Contract. The option may only be exercised by the

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

6.5 Delivery Points

Delivery of the requirement will be made to delivery point(s) as specified at Schedule 1 – Pricing Schedule.

D-1 25 CFSD
Goods Receiving Section
6363 Notre Dame Est
Montreal, QC H1N 3V9
CANADA

Email: 25DAFCTrafficRDV@forces.gc.ca

D-2 7 CFSD
Goods Receiving Section
Bldg C8, 107 St & 137 Ave
Edmonton, AB T5J 4J5
CANADA

Email: Edm-7CFSD-Cust-Svcs@intern.mil.ca

6.6 Authorities

6.6.1 Contracting Authority

The Contracting Authority for the Contract is:

Jackie Vallee
Public Works and Government Services Canada
Acquisitions Branch
Defence and Marine Procurement Section
11 Laurier Street, 8C2
Gatineau, QC K1A 0S5

Telephone: 819-420-4540
E-mail address: jackie.vallee@tpsgc-pwgsc.gc.ca

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

6.6.2 Procurement Authority

The Procurement Authority for the Contract is: (to be inserted at contract award)

Name: _____
Title: _____

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

Organization: _____
Address: _____

Telephone: ____ - ____ - ____
E-mail: _____.

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

6.6.3 Technical Authority

The Technical Authority for the Contract is: (to be inserted at contract award)

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: ____ - ____ - ____
E-mail: _____.

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.

6.6.4 Contractor's Representative

The Contractor's Representative for the contract is:

Name: _____
Title: _____
Address: _____
Telephone: _____
E-mail: _____

6.7 Payment

6.7.1 Basis of Payment – Firm Price, Firm Unit Price(s) or Firm Lot Price(s) (Items 001 and 002)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm lot price(s), as specified in Schedule 1 – Pricing Schedule for a cost of \$ _____. Customs duties are excluded 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.

C0207C (2013-04-25)

6.7.1.1 Holdback (Items 001 and 002)

1. A ten percent (10%) holdback will apply on the total price of any equipment (items 001 and 002) on any due payment of any said equipment. Release of the holdback (10%) is conditional upon receipt and certified acceptance by DND of equipment and all associated ILS deliverables.
2. Goods and Services Tax or Harmonized Sales Tax (HST), applicable, must be calculated on the total amount on the claim before the holdback is applied. At the time the holdback is claimed, there will be no HST payable as it was claimed and payable under the previous invoice.
3. The original invoice for the holdback must be forwarded, by email, to the Procurement Authority identified under the section entitled Authorities of the Contract.
4. One (1) copy must be forwarded to, by email, to the Contracting Authority identified under the section entitled Authorities of the Contract.

C2009 (2013-04-25)

6.7.2 Limitation of Price

SACC Manual clause [C6000C](#) (2017-08-17) Limitation of Price

6.7.3 Method of Payment

SACC Manual clause H1001 Multiple Payments (2008-05-12)

6.7.4 SACC Manual Clauses

B7500C Excess Goods (2006-06-16)
C2608C Canadian Customs Documentation (2015-02-25)
C2605C Canadian Customs Duties and Sales Tax - Foreign-based Contractor (2008-05-12)
C2000C Taxes - Foreign-based Contractor (2007-11-30)

6.7.5 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);

6.8 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 by email as follows:
 - a. The original and one (1) copy must be forwarded to the Procurement Authority identified under the section entitled "Authorities" of the Contract.

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

6.9 Certifications and Additional Information

6.9.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.9.2 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.

6.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____ (to be inserted at contract award)

6.11 Priority of Documents

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

- (a) the Articles of Agreement;
- (b) Schedule 1 – Pricing Schedule;
- (c) the general conditions [2010A](#) (2018-06-21), General Conditions - Goods (Medium Complexity);
- (d) Annex A, Statement of Work and its Appendices;
- (e) the Contractor's bid dated _____ .

6.12 Defence Contract

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

6.13 SACC Manual Clauses

A9131C Controlled Goods Program – Contract (2014-11-27)
B4060C Controlled Goods (2011-05-16)
A9062C Canadian Forces Site Regulations (2011-05-16)
G1005C Insurance - No Specific Requirement (2016-01-28)
A9140C Priority of Documents (2007-05-25)
C2800C Priority Rating (2013-01-28)

D5545C ISO 9001:2008 - Quality Management Systems - Requirements (Quality Assurance Code C)
(2010-08-16)

6.14 Shipping Instructions - Delivery at Destination

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

Delivered Duty Paid (DDP), Delivery Points identified at Article 6.5 Incoterms 2000 for shipments from a commercial contractor.

6.15 SACC Manual Clauses

D9002C Incomplete Assemblies (2007-11-30)
D2000C Marking (2007-11-30) D2000C
D2001C Labelling (2007-11-30) D2001C
D2025C Wood packaging materials (2017-08-17) D2025C
D3018C Packaging Requirement using Specification D-LM-008-036/SF-000 (2014-09-25)
D6010C Palletization (2007-11-30)
B4042C Identification Markings (2008-05-12)
B4055C Material Change Notice – Contract (2014-06-26)

6.16 North Atlantic Treaty Organization Codification - Data Requirements

1. The Contractor must provide the Department of National Defence (DND), which is the National Codification Bureau (NCB) for Canada, sufficient technical data to permit the Director, Supply Chain Operations (DSCO) to classify, codify and describe new items being introduced into the Canadian Government Cataloguing System.
2. Technical data for each item may include the manufacturer's engineering drawing (minimum level 2), standard, specification and/or data specification sheet (brochure). Regardless of which of these formats is provided, the data must clearly provide the following, as applicable:
 - a. the name and address of the true manufacturer, or Design Control Authority;
 - b. the manufacturer's unique part number;
 - c. the physical characteristics (material, dimensions, tolerances);
 - d. performance data (i.e. functional and operating requirements such as speed, load);
 - e. electrical and/or electronic characteristics;
 - f. mounting requirements;
 - g. special features which contributed to the uniqueness of the item(s);
 - h. the end item application; and, if applicable
 - i. manufacturer's unique bar code number.
3. Technical descriptive data are not required for items that are identified in a Canadian or United States government specification or in a Military Standard which completely describes the item.
4. The Contractor is responsible for advising DND Technical Authority and the NCB (DSCO 5) of any proprietary data or restrictions imposed on the release of its technical data to government entities in Canada or abroad.
5. In the event of disputes regarding the acceptability of technical data submitted by the Contractor, the ruling of the NCB (DSCO) must prevail.

6. The Contractor is ultimately responsible, under the conditions of the Contract, for the provision of the technical data for all of the items identified in the Contract. The Contractor must include the terms of this clause in any subcontracts, to ensure the availability of the technical data to DND and the NCB (DSCO).
7. For end items procured by the Contractor from a subcontractor or supplier, the Contractor must provide the name of the actual manufacturer and their unique identifying part number along with all necessary technical documentation, and their bar code number if available.
8. The Contractor must submit all data to the DND Technical Authority at least sixty (60) days before delivery of the equipment. Items must not be released for shipment unless identified with a NATO Stock Number provided for in the Contract, or unless specifically authorized by the Contracting Authority.
9. The Contractor must contact the DSCO for any further clarification of the codification technical data requirements at:

National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A 0K2
Attention: Director Supply Chain Operations (DSCO)

6.17 Provisioning Parts Breakdown – Contract

1. The Contractor must, twenty (20) days prior to First Article Inspection (FAI), provide to the Procurement Authority a Provisioning Parts Breakdown (PPB) prepared in accordance with the current issue of Canadian Forces Specification D-01-100-214/SF0-000. Copies of all assembly level drawings and parts lists required to verify the complete and current configuration of the equipment must accompany the PPB. Upon request from the Contractor, the specification will be provided by the Contracting Authority.
2. Supplementary Provisioning Technical Documentation (SPTD), as prepared by the actual manufacturer of the item, is required for the codification and cataloguing of all items listed in the PPB. The SPTD called up in the above specification must be supplied, as detailed in the specification, within twenty (20) working days after receipt of a request from the Director Supply Chain Operations (DSCO). Specific details of the data elements required must be listed on a Provisioning Documentation Selection Sheet, prepared in accordance with the above specification and the PPB, and be submitted in electronic ASCII text format.
3. Final acceptance of the PPB and the SPTD will be made by DSCO. Questions regarding the preparation, format or contents of the above provisioning documentation must be directed to Procurement Authority.

B4051C (2014-06-26)

6.18 Recommended Spare Parts List - Contract

1. The Contractor must, within twenty (20) days prior to First Article Inspection (FAI), provide to the Procurement Authority a Recommended Spare Parts List (RSPL) prepared in accordance with the current issue of Canadian Forces Specification D-01-100-214/SF-000. The RSPL must contain the Contractor's recommendation for spares required to maintain the equipment for a 24-month period, and must provide the basis for the spares selection to be made by Department of

National Defence. Upon request from the Contractor, the specification will be provided by the Contracting Authority.

2. Supplementary Provisioning Technical Documentation (SPTD), as prepared by the actual manufacturer of the item, is required for the codification and cataloguing of all items listed in the RSPL. The SPTD called up in the above specification must accompany the RSPL as detailed in the specification. Specific details of the data elements required must be listed on a Provisioning Documentation Selection Sheet, prepared in accordance with the above specification, and be submitted in electronic ASCII text format.
3. Questions regarding the preparation, format or contents of the above provisioning documentation must be directed to the Procurement Authority.

B4052C (2014-06-26)

6.19 Technical publications: Operator Manual and Maintenance Manual (if applicable) — Contract

The Contractor must provide the following publications in the format approved in writing by the Technical Authority, in both English and French. The format must be in full compliance with the latest issue of C-01-100-100/AG-005, Specification Acceptance of Commercial and Foreign Government Publications as Adopted Publications. The Contractor must deliver the publications in the approved alternate format to the Technical Authority twenty (20) days prior to First Article Inspection (FAI).

B4057C (2017-11-28)

6.20 Preparation for Delivery

1. The equipment must be delivered in a condition for immediate use.
2. All the equipment must be delivered by appointment only between the hours of 8:00 am and 4:00 pm Monday through Friday, except Federal holidays. The Contractor/its Carrier must arrange delivery appointments by contacting by email the Delivery Point(s) identified in Article 6 of the contract.
3. Any attempt by a Carrier to deliver the equipment without an appointment may be refused unless arrangements have been made previously for authorized, qualified personnel to perform inspection and to accept delivery. If the carrier is required to return due to its failure to make an appointment for delivery, Canada will not be liable to pay any additional costs.

6.21 Delivery and Unloading

Delivery trucks must be equipped with and unload device which will permit unloading without hydraulic, stationary or other type of equipment from the unloading facility.

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

SCHEDULE 1
PRICING SCHEDULE

Table 1: Firm Deliverables

Item	Description	Qty.	Unit of Issue	Destination	Price (excluding taxes)
001	MNVD Kit in accordance with Annex "A" and its appendices	200	Lot	D-1	
002	MNVD Kit in accordance with Annex "A" and its appendices	100	Lot	D-2	
TOTAL:					(A)

Table 2: Optional Kits

Item	Description	Qty.	Unit of Issue	Destination	Year 1 Price (excluding taxes)	Year 2 Price (excluding taxes)	Year 3 Price (excluding taxes)
003	MNVD Kit in accordance with Annex "A" and its appendices	100	Lot	D-1			
	MNVD Kit in accordance with Annex "A" and its appendices	100	Lot	D-2			
TOTAL:					(B)	(C)	(D)

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

Table 3: Optional ILS Components (prices to be inserted at a later date)

Item	Description	Qty.	Unit of Issue	Destination	Year 1 Price	Year 2 Price	Year 3 Price
004	Optional MNVD Maintenance Manuals	1	Each	D-1			
	Optional MNVD Maintenance Manuals	1	Each	D-2			
005	Optional Special Tools & Testing Equipment	1	Each	D-1			
	Optional Special Tools & Testing Equipment	1	Each	D-2			
006	Optional MNVD Spare Parts	1	Each	D-1			
	Optional MNVD Spare Parts	1	Each	D-2			
TOTAL:							

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

ANNEX "A"

STATEMENT OF WORK

Appendix 1: System Requirements Specification

Appendix 2: References, Acronyms and Glossary

(See attached)

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

ANNEX "B"

LIST OF DELIVERABLES

(See attached)

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

ANNEX “C” to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

As indicated in Part 3, clause 3.1.2, the Bidder must identify which electronic payment instruments they are willing to accept for payment of invoices.

The Bidder accepts any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);

ANNEX "D" to PART 5 OF THE BID SOLICITATION

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 permanent full-time and/or permanent part-time employees.

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

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)

Solicitation No. - N° de l'invitation
W8476-196060/A
Client Ref. No. - N° de réf. du client
W8476-196060

Amd. No. - N° de la modif.
File No. - N° du dossier
118qf W8476-196060

Buyer ID - Id de l'acheteur
118qf
CCC No./N° CCC - FMS No./N° VME

ANNEX "E"

TECHNICAL BID EVALUATION MATRIX

(See attached)

ANNEX A
STATEMENT OF WORK
FOR
MONOCULAR
NIGHT VISION DEVICE SYSTEM

22 Feb 2019



NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

1.0 SCOPE

1.1 Purpose

1.1.1 The purpose of this Statement of Work (SOW) is to describe the requirements and work effort required from the Contractor by the Department of National Defence (DND) for the supply of items to meet the requirements for the acquisition of Monocular Night Vision Devices (MNVD) System.

1.2 Background

1.2.1 The Canadian Armed Forces (CAF) requires the ability to operate at night and in low to no light environments. An essential component of the defence posture is effective night vision equipment that can detect, recognize and identify friendlies or threats in all theatres of operation and training environments.

1.3 Intended Use

1.3.1 The MNVD procured through this project is intended for domestic, operational and training use by soldiers of the CAF Primary Reserve.

1.4 Non-Developmental Item

1.4.1 DND does not intend to fund a developmental project to achieve this requirement. It is therefore a mandatory requirement that the offered Monocular Night Vision Device Components (this includes the MMNVD housing and I² tube) be of proven (tested) design, be in current production or have been within the past 12 months, and be in-use by a North Atlantic Treaty Organization (NATO) or American, British, Canadian, Australian, and New Zealand (ABCANZ) member armed forces.

1.5 Intent

1.5.1 DND will procure limited quantities of MNVD kits for initial provisioning to the reserve force. If the performance and comfort are satisfactory for the operators, DND intends to procure further MNVD kits through this Contract to fully supply the reserve forces.

1.6 Applicable Documents

1.6.1 Appendix 1 – System Requirements Specification for Monocular Night Vision Device Kit (SRS for MNVD Kit)

1.6.2 Appendix 2 – References, Acronyms and Glossary (RAG)

2.0 GENERAL REQUIREMENTS

2.1 Scope of Work

2.1.1 The work to be performed requires the provision, inspection, and delivery of the MNVD Systems.

2.2 Deliverables

2.2.1 The following paragraphs describe those items that are essential to the completion of the work required.

2.2.2 The contractor must provide MNVD Systems, as per Annex B “List of Deliverables for Monocular Night Vision Device System”. The Contractor must provide the deliverables in Table 2-1.

Table 2-1: Deliverables

Item	Reference
Each MNVD Kit must contain the following:	
1 Monocular Night Vision Device	Appendix 1 “SRS for MNVD Kit”, Section 3.1
1 Universal Helmet Mount	Appendix 1 “SRS for MNVD Kit”, Section 3.2
1 Head Mount Assembly	Appendix 1 “SRS for MNVD Kit”, Section 3.3
1 Helmet Mount Assembly	Appendix 1 “SRS for MNVD Kit”, Section 3.4

1 Sacrificial filter	Appendix 1 “SRS for MNVD Kit”, Section 3.5
1 Cleaning kit	Appendix 1 “SRS for MNVD Kit”, Section 3.6
1 Neck cord	Appendix 1 “SRS for MNVD Kit”, Section 3.7
1 Eye-cup	Appendix 1 “SRS for MNVD Kit”, Section 3.8
1 Front Lens Cap	Appendix 1 “SRS for MNVD Kit”, Section 3.9
1 MNVD Kit Pouch	Appendix 1 “SRS for MNVD Kit”, Section 3.10
1 MNVD Carrying Pouch	Appendix 1 “SRS for MNVD Kit”, Section 3.11
1 Demist Shield	Appendix 1 “SRS for MNVD Kit”, Section 3.12
2 AA Batteries	Annex A “SOW for MNVD System”, Section 2.2.3
1 Operators Manual	Annex A “SOW for MNVD System”, Section 2.2.5
1 Quick Reference Guide	Annex A “SOW for MNVD System”, Section 2.2.6
1 Kit List	Annex A “SOW for MNVD System”, Section 2.2.7
1 Hazard Warning Sheet	Annex A “SOW for MNVD System”, Section 2.2.8

Other Deliverables:

Maintenance Manual	Annex A “SOW for MNVD System”, Section 2.2.9
Special Tools and Test Equipment List	Annex A “SOW for MNVD System”, Section 2.2.10
Optional Special Tools and Test Equipment	Annex A “SOW for MNVD System”, Section 2.2.11
Optional Parts	Annex A “SOW for MNVD System”, Section 2.2.12

2.2.3 Technical Publications Specifications. The Contractor must provide Technical Publications Specifications in accordance with C-01-100-100/AG-005, Specification for Acceptance of Commercial and Foreign Government Publications as Adopted Publications.

2.2.3.1 All Technical Publications must be bilingual, in English and French. It is acceptable for the Technical Publications to contain both the English and French text in a single document, or to provide separate Technical Publications (one in English and the other in French).

2.2.3.2 Unless otherwise specified, the Technical Publications may be in contractor or commercial format. Unless otherwise specified, the Technical Publications must be in a paper-based format.

2.2.3.3 The Technical Publications Specifications apply to the following deliverables:

- a. Operators Manual
- b. Maintenance Manual, if provided
- c. Quick Reference Guide
- d. Kit List
- e. Hazard Warning Sheet

2.2.3.4 2.2.4.4 The Contractor must provide a digital copy of each Technical Publication in searchable PDF format to the Technical Authority.

2.2.4 Operators Manual. The Operator’s Manual must contain operating instructions, operator maintenance instructions, and related safety instructions. The Operators Manual must meet the Technical Publications Specifications in Section 2.2.3.

2.2.5 Quick Reference Guide. The Quick Reference Guide (QRG) must contain the basic instructions necessary for MNVD usage. The QRG must be printed in colour on weather resistant material. The QRG must be no larger than thirteen (13) cm by nine (9) cm. The QRG may be

foldable and printed on both sides. The QRG must provide users with an overview of how to use the equipment and its accessories. The QRG must meet the Technical Publications Specifications in Section 2.2.3. The Contractor must submit a draft of the QRG for the TA's review within 30 days of Contract Award. The Contractor must not start production of the QRG until the TA has accepted the document.

2.2.6 Kit List. The Kit List must contain a complete list of all equipment, accessories and consumables furnished in the MNVD Kit. The Kit List must identify which items in the MNVD Kit are controlled goods. The Kit List must include a picture of each item next to its respective name. The Kit List must be printed in colour on weather resistant material. The Kit List must meet the Technical Publications Specifications in Section 2.2.3. The Contractor must submit a draft of the Kit List for the TA's review within 30 days of Contract Award. The Contractor must not start production of the Kit List until the TA has accepted the document.

2.2.7 Hazard Warning Sheet. The Hazard Warning Sheet must identify all safety hazards posed by the items in the MNVD kit throughout the lifetime of the system. This includes: hazardous materials; dangers posed to users and handlers; and warnings on dangerous usage. The Hazard Warning Sheet must be printed in colour on weather resistant material. The Hazard Warning Sheet must meet the Technical Publications Specifications in Section 2.2.3. The Contractor must submit a draft of the Hazard Warning Sheet for the TA's review within 30 days of Contract Award. The Contractor must not start production of the Hazard Warning Sheet until the TA has accepted the document.

2.2.8 Maintenance Manual. The Contractor must confirm if a Maintenance Manual is available. Canada may choose to purchase the Maintenance Manual if it is available. The Maintenance Manual must contain all maintenance instructions for all maintenance tasks. The Maintenance Manual must contain all safety instructions related to all maintenance tasks. The Maintenance Manual must meet the Technical Publications Specifications in Section 2.2.3.

2.2.9 Special Tools and Test Equipment (STTE) List. The Contractor must prepare and deliver a STTE list, that must include all STTE required in order to maintain the equipment. The Contractor must prepare and deliver the STTE List for the TA's review no later than 20 working days prior to the First Article Inspection (FAI). The STTE list will be used to determine the STTE requirements by the TA for optional STTE Orders.

2.2.10 Optional Special Tools and Test Equipment. STTE acquisitions will be conducted on an as required basis by contract amendment.

2.2.11 Optional Parts. Parts acquisitions, as identified in the Provisioning Parts Breakdown or the Recommended Spare Parts List, will be conducted on an as required basis in accordance by contract amendment.

3.0 ACCEPTANCE PROCESS AND CRITERIA

3.1 General

3.1.1 In each MNVD kit, the Contractor must provide a signed statement from the MNVD I² tube Original Equipment Manufacturer (OEM) certifying that the I² tube provided meets the design performance specifications, in support of the proposed equipment meeting the requirements in Appendix 1, "SRS for MNVD Kit", Section 3.1.2.

3.1.2 Certificate of Conformity. The Contractor must produce a separate Certificate of Conformity (CoC) for each MNVD Kit. Each CoC must indicate that the MNVD Kit meets all requirements in Appendix 1, "SRS for MNVD Kit". The Contractor must send a PDF copy of each CoC to the TA.

3.2 First Article Inspection (FAI)

3.2.1 The Contractor must conduct a First Article Inspection. The contractor must provide evidence that the equipment meets the System Requirements Specification to the extent specified in the Requirements Verification Matrix in Appendix 1 to Annex A.

3.2.2 The FAI must be conducted no later than 60 days after Contract Award.

3.2.3 The Contractor must arrange for a facility cleared to the appropriate security level, of a size sufficient to accommodate the FAI attendees. The FAI may be held at the contractor facilities or DND facilities or by teleconference at the discretion of the TA.

3.2.4 The Contractor must provide all data that will be reviewed during the FAI to the TA at least 15 working days prior to the FAI.

3.2.5 The Contractor must prepare and deliver an Agenda at least 10 days prior to the FAI. The agenda may include other items for discussion as deemed necessary. The TA may choose to add items for discussion at their discretion.

3.2.6 The Contractor must resolve all discrepancies identified during the FAI unless explicitly waived, in writing, by the TA. The TA reserves the right to request additional proof if the Contractor supplied verification is deemed to be inadequate.

3.2.7 Successful completion of the FAI, as well as acceptance of related Technical Publications, is required prior to accepting the Product Delivery.

APPENDIX 1 TO ANNEX A

SYSTEM REQUIREMENTS SPECIFICATION

FOR

MONOCULAR

NIGHT VISION DEVICE KIT

22 Feb 2019



NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

1. SCOPE

1.1. Purpose

1.1.1. The purpose of this System Requirements Specification is to describe the key performance requirements for the Monocular Night Vision Device (MNVD) Kit and contents.

1.2. References, Acronyms and Glossary

1.1.2. References and the definitions of complex terminology used in this SRS are found in Appendix 2 to Annex, References, Acronyms and Glossary (RAG).

2. REQUIREMENTS VERIFICATION MATRIX

2.1. Purpose

2.1.1. The Requirements Verification Matrix (RVM) provides instruction on what form of verification will be required at the First Article Inspection (FAI) for DND to determine whether or not the requirement has been met.

2.1.2. Where multiple verifications methods have been included, the Contractor may select their preferred method.

2.2. Abbreviations

2.2.1. The following is a list of the abbreviations used in the Requirements Verification Matrix to indicate the various methods of verification. Full definitions are found in the RAG (Appendix 2 to Annex A).

- I. A Verification by Analysis.
- II. C Verification by Certification.
- III. D Verification by Demonstration.
- IV. DE Verification by Description and Evidence.
- V. I Verification by Inspection.
- VI. SC Verification by Statement of Compliance.
- VII. TR Verification by Test. Proof must be in the form of a Test Report.

2.3. Equivalency of Test Methods

2.3.1. MIL-STD-810G, Change 1, test methods are specified as a means of verifying compliance to the MNVD Kit environmental requirements within this SRS. Should the Contractor propose an Equivalent Test Method (be it other standard or prior versions of MIL-STD-810), the Contractor must demonstrate how the test methods are equivalent by identifying any gaps in the test methodologies or test severities, and where gaps exist, provide analysis that there would be no measureable impact on the MNVD Kit performance. The climatic and vibration test methods defined in MIL-STD-810G, Change 1, are considered by Canada to be equivalent to the test methods defined in STANAG 4370, AECTP 300 and AECTP 400 (current editions at time of RFP).

3. REQUIREMENTS

ID	REQUIREMENTS	RVM
3.1	MNVD	
3.1.1	General	
3.1.1.1	The MNVD architecture must be Monocular.	I
3.1.1.2	The MNVD must have a maximum length of no more than One Hundred and	I

	Fourteen (114) mm, excluding the eyecup.	
3.1.1.3	The MNVD must have a mass of no more than Three Hundred Fifty Five (355) grams including the eye cup, front lens cap, housing, I ² tube, eyepiece, and objective lens, and excluding the battery.	I
3.1.1.4	The MNVD should have a mass of less than Three Hundred Fifty Five (355) grams, including the eye cup, front lens cap, housing, I ² tube, eyepiece, and objective lens, and excluding the battery.	I
3.1.1.5	The MNVD must have an eyepiece Diopter Adjustment from minus Six diopters to plus Two diopters with a continuous diopter adjustment (-6 D to +2 D).	A, C, TR
3.1.1.6	The MNVD must be compatible with universal mount NSN 8465-01-551-8656 or equivalent.	D
3.1.1.7	The MNVD must have a Field of View (FOV) of no less than Forty degrees (40°).	C, TR
3.1.1.8	The MNVD must have a build-in illuminator in the Near Infrared (NIR) band.	D
3.1.1.9	The MNVD must have autogating.	C, TR, D
3.1.1.10	The MNVD must have manual gain control functionality.	D
3.1.1.11	The MNVD must have an Objective Focus Range of no less than Twenty Five (25) cm to infinity.	A, C, TR
3.1.1.14	The MNVD must have a magnification setting of One (1).	D, TR
3.1.1.15	The MNVD should have a lens coating to prevent condensation from forming on the objective lens.	D, TR, C
3.1.2	I² Tube	
3.1.2.1	The I ² Tube phosphor type must be White.	D
3.1.2.2	The I ² Tube must have a Figure of Merit (FOM) of no less than Twenty Two Hundreds (2200).	C, TR
3.1.2.3	The I ² Tube must have a limiting resolution of no less than Seventy Two (72) lp/mm.	C, TR
3.1.2.4	The I ² Tube should have a limiting resolution of more than Seventy Two (72) lp/mm.	C, TR
3.1.2.5	The I ² Tube must have a Signal to Noise Ratio (SNR) of no less than Thirty (30) at 108 μlux.	C, TR
3.1.2.6	The I ² Tube should have a Signal to Noise Ratio (SNR) of more than Thirty (30) at 108 μlux.	C, TR
3.1.2.7	The I ² Tube halo size must be 0.85 mm or better.	C, TR
3.1.2.8	NOT USED	
3.1.2.9	The I ² tube must have a maximum Equivalent Background Input (EBI) of 0.50 ulux at 20°C.	C, TR
3.1.2.10	The I ² tube must have an automated Bright Source Protection (BSP).	D
3.1.2.11	NOT USED	

3.1.2.12	The I ² Tube must have a minimum lifetime of 10,000 hours.	A, C,TR
3.1.2.13	The I ² Tube must meet the manufacturer's current published specifications for any functional or performance parameter not specified in this SRS.	C, TR
3.1.3	Concealment	
3.1.3.1	The MNVD must be matte black or matte dark brown colour.	I
3.1.3.2	After the initiation, the operational MNVD must not produce any noise from internal mechanical parts.	D
3.1.3.3	After the initiation, the operational MNVD be perceived to be silent in a tactical environment.	D
3.1.3.4	The MNVD must not have any alarms or audible indicators.	D
3.1.3.5	The MNVD must not have any flashing lights or other such visible indicators. A visible battery indicator and/or active mode indicator in the field of view of the MNVD are acceptable, as long as they turn off when in stowed position.	D
3.1.4	Power	
3.1.4.1	The MNVD must operate on commercially available AA batteries.	D
3.1.4.2	The MNVD must operate on only one (1) AA battery.	I
3.1.4.3	The MNVD must operate continuously for no less than 12 hours on a single battery at 20°C ambient temperature	A, C, TR
3.1.4.4	The MNVD should operate continuously for greater than 12 hours on a single battery at 20°C ambient temperature	A, C, TR
3.1.4.5	The MNVD must have an auto-off function that turns the MNVD off when moved from in-use position to stowed position.	D
3.1.4.6	The MNVD must have an auto-on function that turns the MNVD ON when moved from stowed position to in-use position.	D
3.1.4.7	The auto-off function must not activate when the MNVD is in in-use position, regardless of the movements or position of the user.	D
3.1.4.8	The auto-on function must not activate when the MNVD is in stowed position, regardless of the movements or position of the user.	D
3.1.4.9	The MNVD must have a visual indication for proper alignment of battery installation (positive/negative).	I
3.1.5	Human Factors	
3.1.5.1	The MNVD must be able to be used by both the right and left eye.	D
3.1.5.2	The MNVD must have an Eye Relief between Twenty Three (23) and Twenty Five (25) mm.	I
3.1.5.3	The arrangement, size and shape of operator controls for the MNVD must permit the following actions with a commercially insulated glove: 1) Turning the MNVD on; 2) Turning the MNVD off; and 3) Changing the batteries.	D

3.1.5.4	The MNVD must be compatible with commercially available Ballistic Eyewear.	D
3.1.6	Environmental	
3.1.6.1	The MNVD must meet all performance requirements in this SRS without incurring physical damage and without degradation of performance, during and after exposure to any combination of the meteorological and induced climatic conditions described in this SRS.	INFO
3.1.6.2	Low Temperature - Operation	
3.1.6.2.1	The MNVD must operate without physical damage and without degradation of performance in all low temperature environments associated with the C0, C1 and C2 climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2. For this requirement, the lower boundary of the C2 climatic region will be evaluated at -40°C. MIL-STD-810G, Change 1, Method 502.6, Procedure II and III, C2 Cold, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement.	C,TR
3.1.6.2.2	The MNVD should operate without physical damage and without degradation of performance in all low temperature environments associated with the C0, C1, C2 and C3 (-51°C min) climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2. MIL-STD-810G, Change 1, Method 502.6, Procedure II and III, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement	C,TR
3.1.6.3	Low Temperature - Storage	
3.1.6.3.1	The MNVD must be stored without damage and without degradation of performance in all low temperature environments associated with the C0, C1 and C2 climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2. For this requirement, the lower boundary of the C2 climatic region will be evaluated at -40°C. MIL-STD-810G, Change 1, Method 502.6, Procedure I, C2 Cold, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement.	C,TR
3.1.6.3.2	The MNVD should be stored without damage and without degradation of performance in all low temperature environments associated with the C0, C1, C2 and C3 (-51°C min) climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2. MIL-STD-810G, Change 1, Method 502.6, Procedure I, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement.	C,TR
3.1.6.4	High Temperature - Operation	
3.1.6.4.1	The MNVD must operate without damage and without degradation of performance in all high temperature environments associated with the A3, A2 and A1 (+49°C max) climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2. MIL-STD-810G, Change 1, Method 501.6, Procedure II, A1 Hot-Dry Ambient Air Conditions, or Equivalent Test Method, is a sufficient means to	C,TR

	demonstrate compliance to this requirement.	
3.1.6.5	High Temperature – Storage	
3.1.6.5.1	<p>The MNVD must be stored without damage and without degradation of performance in all high temperature environments associated with the A3, A2, and A1 climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2. For this requirement, the upper boundary of the A1 climatic region, Induced Conditions, will be evaluated at +60°C.</p> <p>MIL-STD-810G, Change 1, Method 501.6, Procedure I, A1 Hot-Dry Induced Conditions, or equivalent test method, is a sufficient means to demonstrate compliance to this requirement.</p>	C,TR
3.1.6.5.2	<p>The MNVD should be stored without damage and without degradation of performance in all high temperature environments associated with the A3, A2, and A1 (+71°C max) climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.</p> <p>MIL-STD-810G, Change 1, Method 501.6, Procedure I, A1 Hot-Dry Induced Conditions, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement.</p>	C,TR
3.1.6.6	Temperature Shock	
3.1.6.6.1	<p>The MNVD should operate without damage and without degradation of performance under conditions of rapid changes in ambient air temperature as encountered during movements between in-door environments to out-door environments at either high temperature (+49°C) and low temperature (-40°C) extremes. The MNVD must not require any physical modifications or preparations in advance and must not be damaged or degraded from the thermal shocks.</p> <p>MIL-STD-810G, Change 1, Method 503.6, Procedure I-C or I-D, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement.</p>	C,TR
3.1.6.7	High Humidity	
3.1.6.7.1	<p>The MNVD should be stored and operate without damage and without degradation of performance in all high humidity environments associated with B1, B2 and B3 climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.</p> <p>MIL-STD-810G, Change 1, Method 507.6, Procedure II, Aggravated temperature-humidity (Figure 507.6) +30°C to +60°C at 95% RH, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement.</p>	C,TR
3.1.6.8	Under-Water Immersion	
3.1.6.8.1	<p>The MNVD must not be damaged and must not be degraded in performance following immersion under water in any stowed or operating configuration to a depth of not less than 1 meter below the water surface for a duration of not less than 30 minutes. The MNVD must not require any physical preparations or modifications in advance of being immersed and must be fully operable immediately following the immersion without any preparations or drying.</p> <p>MIL-STD-810G, Change 1, Method 512.6, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement. An IP X7 or X8 rating is also a sufficient means to demonstrate compliance to this</p>	C,TR

	requirement.	
3.1.6.9	Blowing Dust	
3.1.6.9.1	The MNVD must be stored and operate without damage and without degradation of performance in environments with airborne fine dust particulates. MIL-STD-810G, Change 1, Method 510.6, Procedure I, Blowing Dust, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement. An IP 5X or 6X rating is also a sufficient means to demonstrate compliance to this requirement	C,TR
3.1.6.10	Altitude (Low Pressure) – Operation	
3.1.6.10.1	The MNVD should be stored and operate without damage and without degradation of performance in all low ambient air pressure environments from sea level to 4,572 meters pressure-altitude above sea-level. MIL-STD-810G, Change 1, Method 500.6, Procedure II, Operation/Air Carriage, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement.	C,TR
3.1.6.11	Transit Drop	
3.1.6.11.1	The MNVD unpackaged or in its Carrying Pouch should operate without degradation of performance after being subjected to a 48 inch drop on any face, edge, and corner of the MNVD or carrying pouch. MIL-STD-810G, Change 1, Method 516.7, Procedure IV, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement.	C,TR
3.1.6.12	Loose Cargo	
3.1.6.12.1	The MNVD in its Carrying Pouch should operate without degradation of performance after 20 minutes of vibration induced during combat transportation as loose cargo. MIL-STD-810G, Change 1, Method 514.7, Procedure II, Category 5, Loose Cargo, or Equivalent Test Method, is a sufficient means to demonstrate compliance to this requirement.	C,TR
3.1.7	Safety and Security	
3.1.7.1	The MNVD must not pose a safety or health hazard to the user.	A, DE, C, TR
3.2	Universal Head/Helmet Mount Adapter	
3.2.1	The Universal Head/Helmet Mount Adapter must be NSN 5965-01-444-1216 or equivalent.	DE
3.2.2	The Universal Head/Helmet Mount Adapter must be matte black or matte dark brown colour.	I
3.3	Head Mount Assembly	
3.3.1	The Head Mount Assembly should be NSN 5855-01-246-8266.	DE
3.3.2	The Head Mount Assembly must be matte black, matte dark brown, or matte dark green colour.	I
3.3.3	The Head Mount Assembly must be configurable for the use of the MNVD by either the Right or Left eye.	D

3.3.4	The Head Mount Assembly must be complete in and of itself, without requiring additional accessories to make it operational.	I, D								
3.3.5	When mounted in the Head Mount Assembly, the MNVD must have a stowed position and an in-use position.	D								
3.3.6	When mounted in the Head Mount Assembly, the MNVD must require no more than a single action to switch between in-use position and stowed position.	D								
3.3.7	When mounted in the Head Mount Assembly, the MNVD must require no more than a single action to switch between stowed position and in-use position.	D								
3.3.8	When mounted in the Head Mount Assembly, the MNVD must require no more than a single hand for removal from the Head Mount Assembly.	D								
3.3.9	The Head Mount Assembly must be compatible with head sizes from 5% to 95% as defined in the 2012 Canadian Forces Anthropometric Survey.	I, DE								
3.3.10	The Head Mount Assembly must be adjustable to the user's head shape. For example, straps lengths may need to be adjusted to not lie on top of the user's ears.	D								
3.3.11	The Head Mount Assembly must be padded for comfort.	I								
3.3.12	The Head Mount Assembly must be made of non-abrasive materials for comfort.	I								
3.4	Helmet Mount Assembly									
3.4.1	The Helmet Mount Assembly should be NSN 8465-01-551-8656.	DE								
3.4.2	The Helmet Mount Assembly must be matte black, matte dark brown, or matte dark green colour.	I								
3.4.4	The Helmet Mount Assembly must be configurable for the use of the MNVD by either the Right or Left eye.	D								
3.4.5	The Helmet Mount Assembly must be complete in and of itself, without requiring additional accessories to make it operational.	I, D								
3.4.6	When mounted in the Helmet Mount Assembly, the MNVD must have a stowed position and an in-use position.	D								
3.4.7	When mounted in the Helmet Mount Assembly, the MNVD must require no more than a single action to switch between in-use position and stowed position.	D								
3.4.8	When mounted in the Helmet Mount Assembly, the MNVD must require no more than a single action to switch between stowed position and in-use position.	D								
3.4.9	When mounted in the Helmet Mount Assembly, the MNVD must require no more than a single hand for removal from the Helmet Mount Assembly.	D								
3.4.10	<p>The Helmet Mount Assembly must be compatible with the following helmet sizes:</p> <table border="1"> <tr> <td>CG-634</td> <td>width</td> <td>Length</td> <td>Height</td> </tr> <tr> <td>small</td> <td>229 mm</td> <td>252 mm</td> <td>166 mm</td> </tr> </table>	CG-634	width	Length	Height	small	229 mm	252 mm	166 mm	I, D
CG-634	width	Length	Height							
small	229 mm	252 mm	166 mm							

	<table border="1"> <tr> <td>medium</td> <td>242 mm</td> <td>262 mm</td> <td>171 mm</td> </tr> <tr> <td>large</td> <td>252 mm</td> <td>271 mm</td> <td>175 mm</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CM-735</td> <td>Width</td> <td>Length</td> <td>Height</td> </tr> <tr> <td>small</td> <td>229 mm</td> <td>245 mm</td> <td>166 mm</td> </tr> <tr> <td>medium</td> <td>242 mm</td> <td>253 mm</td> <td>171 mm</td> </tr> <tr> <td>large</td> <td>252 mm</td> <td>265 mm</td> <td>175 mm</td> </tr> </table>	medium	242 mm	262 mm	171 mm	large	252 mm	271 mm	175 mm					CM-735	Width	Length	Height	small	229 mm	245 mm	166 mm	medium	242 mm	253 mm	171 mm	large	252 mm	265 mm	175 mm	
medium	242 mm	262 mm	171 mm																											
large	252 mm	271 mm	175 mm																											
CM-735	Width	Length	Height																											
small	229 mm	245 mm	166 mm																											
medium	242 mm	253 mm	171 mm																											
large	252 mm	265 mm	175 mm																											
	For reference, both CG-634 and CM-735 are NSN 8470-21-912-7719.																													
3.4.11	The Helmet Mount Assembly must be adjustable to the user's helmet and head shape. For example, straps lengths may need to be adjusted to not lie on top of the user's ears.	D																												
3.4.12	The Helmet Mount Assembly must be padded for comfort where needed.	I																												
3.4.13	The Helmet Mount Assembly must be made of non-abrasive materials for comfort.	I																												
3.4.14	The Helmet Mount Assembly must permit the MNVD to be worn concurrently with a commercial NBC mask.	D																												
3.5	Sacrificial Filter																													
3.5.1	The Sacrificial Filter must be compatible with the MNVD.	D																												
3.5.2	The Sacrificial Filter must protect the objective lens from the air dust, dirt and debris.	A, DE, C, TR																												
3.5.3	The Sacrificial Filter must be complete in and of itself, without requiring additional accessories to make it operational.	I, D																												
3.5.4	The Sacrificial Filter must not require any special tools for installation and configuration.	D																												
3.6	Cleaning Kit																													
3.6.1	The Cleaning Kit should be NSN 6850-20-004-3852.	DE																												
3.6.2	The Cleaning Kit must include no less than the following items: <ol style="list-style-type: none"> 1. Lens Paper 2. Optical Brush 3. Cleaning Cloth 4. Cotton Swabs 5. 15 ml of Lens Cleaner 	I																												
3.6.3	The Cleaning Kit must have instructions on proper use of cleaning materials.	I																												
3.6.4	The Cleaning Kit contents must be stored separately from the rest of the MNVD Kit pouch contents.	I																												
3.6.5	The Cleaning Kit contents must be protected from dirt.	I																												
3.7	Neck Cord																													
3.7.1	The Neck Cord must be matte black or matte dark brown colour.	I																												

3.7.2	The Neck Cord must have a length no less than 100 cm.	I
3.7.3	At minimum, the Neck Cord must be adjustable between the lengths of 50 cm and 100 cm.	D
3.7.4	The Neck Cord must be made of non-abrasive materials.	I
3.7.5	The Neck Cord must include a mechanism that attaches it to the MNVD.	I
3.7.6	The Neck Cord, when attached to the MNVD, must not hinder the operations or performance of the MNVD.	D
3.7.7	The Neck Cord must not dig into the user's neck when supporting the full weight of the MNVD.	D
3.8	Eyecup	
3.8.1	The Eyecup must be matte black or matte dark brown colour.	I
3.8.2	The Eyecup must shield users from stray light.	D
3.8.3	The Eyecup must shield light emissions from the MNVD.	D
3.8.4	The Eyecup must be constructed of non-abrasive, soft, smooth, and flexible molded rubber materials.	I
3.9	Front Lens Cap	
3.9.1	The Front Lens Cap must be matte black or matte dark brown colour.	I
3.9.2	The Front Lens Cap must protect the MNVD objective lens from damage and light.	I
3.9.3	The Front Lens Cap must be complete in and of itself, without requiring additional accessories to make it operational.	I, D
3.9.4	The Front Lens Cap must not require any special tools for installation and configuration.	D
3.9.5	The Front Lens Cap must be permanently attached to the MNVD to prevent loss.	I
3.9.6	The Front Lens Cap should be permanently attached to the MNVD by a flip mechanism.	I
3.10	MNVD Kit Pouch	
3.10.1	The MNVD Kit Pouch must store the MNVD kit contents (SOW para 2.2.2), including the optional items provided (SOW para 2.2.3), and excluding the MNVD Kit pouch itself.	D
3.10.2	The MNVD Kit Pouch must be soft-sided.	I
3.10.3	The MNVD Kit Pouch must be matte olive drab, matte brown, or matte black colour.	I
3.10.4	The MNVD Kit Pouch material must be 500 Denier Cordura Nylon with polyurethane back-coating in accordance with Mil-DTL-32439A Type III, and Class #3.	DE, C
3.10.5	All MNVD Kit Pouch seams must be covered to prevent fraying.	I
3.10.6	The MNVD Kit Pouch must have a metal zipper with double metal sliders to	I

	allow the pouch to be opened fully.	
3.10.7	The MNVD Kit Pouch must include a permanently mounted attachment strap with a side release buckle to allow the pouch to be clipped to equipment, such as rucksacks.	I
3.10.8	The MNVD Kit Pouch attachment strap must support the weight of the MNVD Kit Pouch and its full contents for typical user movements, such as running and jumping.	D
3.11	MNVD Carrying Pouch	
3.11.1	The MNVD Carrying Pouch must be right sized to store only the MNVD (SRS para 3.1) attached to the Universal Helmet Mount (SRS para 3.2).	D
3.11.2	The MNVD Carrying Pouch must be soft-sided.	I
3.11.3	The MNVD Carrying Pouch must be matte olive drab, matte brown, or matte black colour.	I
3.11.4	The MNVD Carrying Pouch material must be 500 Denier Cordura Nylon with polyurethane back-coating in accordance with Mil-DTL-32439A Type III, and Class #3.	DE, C
3.11.5	All MNVD Carrying Pouch seams must be covered to prevent fraying.	I
3.11.6	The MNVD Carrying Pouch must have a closing mechanism that prevents its contents from falling out.	D
3.11.7	The MNVD Carrying Pouch must include a permanently mounted attachment strap with a side release buckle to allow the pouch to be clipped to equipment, such as rucksacks or harnesses.	I
3.11.8	The MNVD Carrying Pouch attachment strap should be 0.5 to 0.75 inches wide.	I
3.11.9	The MNVD Carrying Pouch attachment strap must support the weight of the MNVD Carrying Pouch and its full contents for typical user movements, such as running and jumping.	D
3.12	Demist Shield	
3.12.1	The Demist Shield must be matte black or matte dark brown colour where appropriate.	I
3.12.2	The Demist Shield must prevent condensation from forming on the eyepiece.	A, DE, C, D, TR
3.12.3	The Demist Shield must be compatible with the MNVD.	D
3.12.4	The Demist Shield must be removable and reusable.	D
3.12.5	The Demist Shield must be complete in and of itself, without requiring additional accessories to make it operational.	I
3.12.6	The Demist Shield must not require any special tools for installation and configuration.	D
3.13	AA Batteries	
3.13.1	The AA batteries must be commercially available lithium ion batteries.	I



APPENDIX 2 TO ANNEX A

REFERENCES, ACRONYMS AND GLOSSARY

FOR

MONOCULAR

NIGHT VISION DEVICE SYSTEM

22 Feb 2019



NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

LEFT BLANK INTENTIONALLY

1. REFERENCES

1.1. Canadian Supplied Publications

Document number	Description
A-AD-100-100/AG-000	National Defence Publishing Policy and Administration Procedures
C-01-100-100/AG-005	Specification – Acceptance of Commercial and Foreign Government Publications as Adopted Publications
C-01-100-100/AG-006	Policy/Management Procedures and Guidelines – Writing, Format and Production of Technical Publications
D-01-000-200/SF-001	Specification – Military Nomenclature Assignment and Procedures
D-01-100-214/SF-000	Specification for Preparation of Provisioning Documentation for Canadian Forces Equipment
D-01-100-215/SF-000	Specification for Preparation of Materiel Change Notices (MCN) for Canadian Forces Equipment
D-01-400-002/SF-000	Canadian Forces Specifications – Levels of Engineering Drawings
D-02-002-001/SG-001	Canadian Forces Standard – Identification Marking of Canadian Military Property
D-LM-008-002/SF-001	Specification for Marking for Storage and Shipment

1.2. Publically Available Publications

Document number	Description
AECTP-200	Revision 3, Allied Environmental Conditions and test Publication - Environmental Conditions, available at everyspec.com/NATO/NATO-AECTP/
AECTP-230	Latest Edition, Environmental Conditions Allied Environmental Conditions and test Publication – Climatic Conditions
AECTP-300	Latest Edition, Allied Environmental Conditions and test Publication – Climatic Environmental Test, available at everyspec.com/NATO/NATO-AECTP/
AECTP-400	Latest Edition, Allied Environmental Conditions and test Publication – Mechanical Environmental Test, available at everyspec.com/NATO/NATO-AECTP/
DRDC-RDDC-2015-R186	2012 Canadian Forces Anthropometric Survey
MIL-DTL-32439A	Detail Specification: Cloth, Duck, Textured Nylon
MIL-STD-810G	With Change 1, Test Method Standard: Environmental Engineering Considerations and Laboratory Tests, available at everyspec.com/MIL-STD
STANAG 4370	Latest Edition, NATO standardization agreement – Environmental Testing

2. ACRONYMS

Acronym	Description
A	Analysis
ABCANZ	American, British, Canadian, Australian, and New Zealand
BSP	Bright-Source Protection
C	Certification
CA	Contracting Authority
CAF	Canadian Armed Forces
CAGE	Commercial and Government Entity
CFTO	Canadian Forces Technical Order
CoC	Certification of Conformity
D	Demonstration
DE	Description and Evidence
DND	Department of National Defence
EBI	Equivalent Background Illumination
FAI	First Article Inspection
FOM	Figure of Merit
FOV	Field of View
IAW	In Accordance With
I	Inspection
I ²	Image Intensifier
ILS	Integrated Logistics Support
IP	Ingress Protection
MNVD	Monocular Night Vision Device
NATO	North Atlantic Treaty Organization
NBC	Nuclear Biological Chemical
NIR	Near Infrared
NSN	NATO Stock Number
NVD	Night Vision Device
PA	Procurement Authority
PBCP	Phased Bid Compliance Process
OEM	Original Equipment Manufacturer
QA	Quality Assurance
QRG	Quick Reference Guide
RFP	Request For Proposal
RSPL	Recommend Spare Parts List
RVM	Requirements Verification Matrix
SC	Statement of Compliance
SNR	Signal-to-Noise Ratio
SOW	Statement of Work

Acronym	Description
SPTD	Supplementary Provisioning Technical Documentation
STTE	Special Tools and Test Equipment
SRS	System Requirements Specification
TA	Technical Authority
TR	Test Report
WD	Working Days

3. GLOSSARY

Terms	Definition
Analysis	An element of verification that uses established technical evaluation or mathematical models or simulations, algorithms, calculations, charts, graphs, representative data, or other scientific principles and procedures to provide evidence that stated requirements are met.
Auto-gated	The ability to regulate the photocathode voltage as lighting conditions change.
Ballistic Eyewear	This is a safety eyewear in the form of glasses or goggles that protects from small projectiles and fragments.
Bright-Source Protection	The electronic function that reduces the voltage to the photocathode when an I ² device is exposed to bright light sources.
Certification	An element of verification used when the performance, behaviour or attributes of the system are to be in accordance with a recognized military, national or industry standard. When "Certification" is requested, the Contractor must provide evidence that the system is in compliance with a recognized military, national or industry standard. The evidence must be issued by an accredited test organization and demonstrate, certify or warrant that the proposed system fully complies with the requirement.
Demonstration	An element of verification consisting of actual operation, adjustment, or re-configuration of items performing their design functions under specific scenarios to provide evidence through observation that the requirements are met. The demonstration may require some simple quantitative measurements such as time to perform tasks or dimensions.
Description and Evidence	An element of verification consisting of a written representation of the system, and a written explanation of how the system meets the requirement criteria. The written representation and written explanation must be supported with evidence in the form of relevant extracts from product specifications, manuals, pictures, screen shots, sample data outputs, certificates, test reports or other such supporting documentation.
Diopter	The measurement used to define eye correction or the refractive power of a lens in units of m ⁻¹ .
Equivalent Background Illumination	The amount of screen brightness when there is no incident light on the photocathode.
Eye Relief	The distance between the user's eye and the eyepiece lens of an

Terms	Definition
	optical device at which the viewed scene can be clearly seen.
Figure of Merit	The measure of line pair per millimeter times the signal to noise ratio.
Five Eyes	The defence community composed of Australia, Canada, New Zealand, the United Kingdom and the United States of America.
Field of View	The angular size of the scene that is observable while looking through an optical device.
Functionality	The quality of being suited to serve a purpose well; practicality, the range of operations that can be run on a computer or other (ref: oxford dictionary).
Gain Control	The capability to adjust the level of brightness of the displayed image for Image Intensifier (I ²) tube.
Halo	The halo is a diffuse bright disk which surrounds bright radiation sources.
Inspection	An element of verification consisting of investigation or examination of items, without the use of special laboratory equipment or procedures, to determine conformance to those specified requirements that can be determined by such investigation or examination. Inspection is generally non-destructive and typically includes the use of sight, hearing, smell and/or touch, simple physical manipulation, mechanical and electrical gauging and measurement, and other forms of investigation or examination.
In-use Position	In the context of this SRS, the in-use position consists of any configuration where the MNVD is affixed to the user, either by head mount or by helmet mount, in front of the user's eye and is in operation, providing a night vision capability to the user.
Monocular	A device consisting of a single-eyepiece
Monocular Night Vision Device (MNVD)	The MNVD includes the eye cup, front lens cap, housing, I ² tube, eyepiece, and objective lens.
Monocular Night Vision Device Kit (MNVD Kit)	The MNVD kit includes the MNVD, universal helmet mount, head mount assembly, helmet mount assembly, sacrificial filter, cleaning kit, neck cord, MNVD kit pouch, MNVD carrying pouch, demist shield, batteries, operators manual, quick reference guide, kit list, and hazard warning sheet.
Monocular Night Vision Device System (MNVD System)	The MNVD system refers to all items identified in Annex B MNVD System List of Deliverables.
Neck Cord	This can be attached to the MNVD and, when used, is worn around the user's neck for easy transportation and movement of the MNVD.
Operability	Ability of a system in which it can fulfil all requirements of performance and safety.
Signal-to-Noise Ratio	The ratio of the dc signal to the rms noise measured at the optical output of a night vision device over a 10 Hz noise-equivalent passband.
Stowed Position	Any configuration where the MNVD is affixed to the user, either by head mount or by helmet mount, but tilted away from the user's

Terms	Definition
	eye, and no longer provides a night vision capability to the user.
Statement of Compliance	An element of verification consisting of a written statement from the Contractor. The statement provides confirmation to the Government of Canada that the Contractor understands the specification criterion and that their proposal must be compliant with this criterion.
Tactical Environment	A tactical environment is an outdoor space devoid of noise from vehicles or people.
Test	Test is an element of verification consisting of determining through critical evaluation (technical or scientific) the measurable properties or elements of items, including functional operation. All tests must adhere to the application of established scientific principles and procedures.
Test Report	<p>A document that records data obtained from a Test, and shows the comparison of test results with test objectives. The Test Report must contain the following information:</p> <ul style="list-style-type: none"> a) Institution conducting test; b) A description of the Test and the conditions under which it was conducted; c) Test Data (data obtained during the test); d) Test Results; and e) Conclusion/Findings (analysis and evaluation of quantitative data that demonstrates that the test results meet the specification criterion).

ANNEX B
LIST OF DELIVERABLES
FOR
MONOCULAR
NIGHT VISION DEVICE SYSTEM

22 Feb 2019



NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

List of Deliverables

The following is a list of deliverables

Item Number	Description	Quantity	Delivery location
FIRM ITEMS			
001	Firm Quantity of MNVD Kit As per Annex A MNVD System SOW	200	25 CFSD Montreal
002	Firm Quantity of MNVD Kit As per Annex A MNVD System SOW	200	7 CFSD Montreal
UNCOSTED ASSOCIATED ILS DELIVERABLES INCLUDED IN FIRM ITEMS			
N/A	Provisioning Parts Breakdown per SACC B4051C	One	Procurement Authority
N/A	Supplementary Provisioning Technical Documentation (SPTD) per SACC B4051C	On an as-is and when-is requested basis	Director Supply Chain Operations (DSCO)
N/A	Recommended Spare Parts List per SACC B4052C	One	Procurement Authority
N/A	Special Tools and Test Equipment (STTE) List per Annex A MNVD System SOW	One	Technical Authority
OPTIONAL ITEMS			
003	Optional Quantity of MNVD Kits Per Annex A MNVD System SOW	<ul style="list-style-type: none"> • Up to Qty 2100 SUBJECT TO Limitation of Expenditure per 9200. • To be exercised in quantities of no less than 100 each, up to 36 months after contract award. 	With contract amendment
004	Optional Quantity of MNVD Manuals per SACC B4057C Technical publications	<ul style="list-style-type: none"> • SUBJECT TO Limitation of Expenditure per 9200. • To be exercise up to 60 months after contract award. 	
005	Optional Quantity of Special Tools & Testing Equipment per Annex A MNVD System SOW		
006	Optional Quantity of MNVD Spare Parts per Recommended Spare Part List		

BID EVALUATION MATRIX FOR MNVD



National Défense
Defence Nationale

ANNEX E
W8476-196060

ANNEX E
BID EVALUATION MATRIX
FOR
MONOCULAR
NIGHT VISION DEVICE SYSTEM

22 Feb 2019



NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

BID EVALUATION MATRIX FOR MNVD

Instructions to Bidders

1. GENERAL

- 1.1. Bidders must provide their response in a document that follows the format of Annex E., Bid Evaluation Matrix.
- 1.2. The Bidder must fill out the Bidder's Compliance and the Bidder Response columns of Annex E., Bid Evaluation Matrix.
- 1.3. For each requirement, the Bidder's Compliance must clearly indicate commitment from the Bidder to meet the requirement. Bidders must use either of the terms "Compliant", Non-Compliant" or "NOT APPLICABLE".
- 1.4. For each requirement, the Bidder's Response must clearly respond to the instructions found in the Bidder Instructions and Evaluation Criteria columns for the related requirement. The response may reference specific sections of the Bidder's proposal (including page and paragraph number) to amplify the description or analysis and to provide support to the claim of compliance in order to prove compliance.
- 1.5. In cases where the evidence required is for test report/data in accordance with a specific standard, a bidder may declare compliance with or submit test data/reports of testing conducted to a comparable standard, in accordance with the requirements of "Equivalency of Test Methods", in paragraph 2.3 of the System Requirements Specification, Appendix 1 to Annex A.

If a comparable standard is used, the following documentation must be provided:

- Name and version of the comparable standard;
 - A copy of the standard, or the particular relevant section(s) of the standard, describing the pertinent limits and test procedures; and
 - An explanation of any gaps in the test methodologies or test severities, and where gaps exist, an analysis that there would be no measureable impact on the MNVD performance;
- 1.6. The Technical Evaluation Team will evaluate the submitted information to determine if the comparable standard is acceptable and if the related requirement has been met.

2. MANDATORY REQUIREMENTS

- 2.1. Bidder technical responses must include at minimum the information required for each mandatory requirement according to the requirement identified in the "Bidder Instructions" and the "Evaluation Criteria" columns of the "Mandatory Criteria" worksheet in the "Bid Evaluation Matrix" in Annex E.

3. RATED REQUIREMENTS

- 3.1. In order to receive points, the Bidder response must include the information required to demonstrate the desirable requirement in accordance with the "Bidder Instructions" and the "Evaluation Criteria" columns of the "Rated Criteria" worksheet in the "Bid Evaluation Matrix" in Annex E.
- 3.2. In the case where the points allocation is prorated according to different level of performance, the Bidder must indicate clearly their appropriate response.
- 3.3. If and when applicable, points will be applied to reflect the information and data provided as evidence of the feature proposed.

BID EVALUATION MATRIX FOR MNVD

ID	Reference	Requirement		Instructions to Bidder	Evaluation Criteria		Bidder's Compliance	Bidder's Response
		Statement	Type					
M1	GENERAL	Bidder's proposed solution must be compliant to all mandatory requirements in the Statement of Work (SOW) and System Requirements Specification (SRS).	M	The Bidder must state that his/her proposed solution is compliant to all requirements of the SOW and the SRS	In order to pass, the following is necessary: 1) The statement of compliance is provided.			
M2	GENERAL	The Bidder must have experience in selling F ² NVDs to NATO militaries in the past 5 years.	M	The Bidder must provide documentation (one or several documents, as necessary) that details sales of NVDs and includes, at minimum: -Manufacturer of NVDs sold -Model or description of the NVDs sold -Quantity of NVDs sold -Date(s) of deliveries -Proof that the customer is military -Country of the customer -Name of seller This can be in the form of company records, contracts, invoices, specifications sheets, etc. In cases where there is a name difference between the Bidder and seller or where there may be doubt as to how the Bidder and seller are related, proof must be provided that the Bidder is the seller. Note that only deliveries received by the customer after Jan 2014 are acceptable to meet the 5 year requirement.	In order to pass, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.			
M3	SRS 3.1.1.3	The MNVD must have a mass of no more than Three Hundred Fifty-Five (355) grams including the eye cup, front lens cap, housing, F ² tube, eyepiece, and objective lens, and excluding the battery.	M	The Bidder must provide documentation that specifies the mass of the MNVD in the configuration required. The documentation can be specification sheets, test reports, configuration reports, etc.	In order to pass, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.			
M4	SRS 3.1.1.7	The MNVD must have a Field of View (FOV) of no less than Forty degrees (40°).	M	The Bidder must provide documentation that details the proposed MNVD's FOV. This can include specification sheets, test reports, configuration reports, etc.	In order to pass, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.			
M5	SRS 3.1.2.2	The F ² tube must have a Figure of Merit (FOM) of no less than Twenty-Two Hundreds (2200).	M	The Bidder must provide documentation that details the proposed F ² tube's FOM. This can include specification sheets, test reports, configuration reports, etc.	In order to pass, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.			
M6	SRS 3.1.2.12	The F ² tube must have a minimum lifetime of 10,000 hours.	M	The Bidder must provide documentation that details the proposed F ² tube's lifetime. This can include specification sheets, test reports, configuration reports, etc.	In order to pass, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.			
M7	SRS 3.1.4.3	The MNVD must operate continuously for no less than twelve (12) hours on a single battery at 20°C ambient temperature.	M	The Bidder must provide documentation that specifies the maximum operation time of the proposed MNVD on a single battery. This can include specification sheets, test reports, configuration reports, etc.	In order to pass, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.			
M8	SRS 3.1.5.2	The MNVD must have an Eye Relief between Twenty Three (23) and Twenty Five (25) mm.	M	The Bidder must provide documentation that specifies the Eye Relief of the proposed MNVD. This can include specification sheets, test reports, configuration reports, etc.	In order to pass, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.			
M9	SRS 3.1.6.2.1	The MNVD must operate without physical damage and without degradation of performance in all low temperature environments associated with the C0, C1 and C2 climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2. For this requirement, the lower boundary of the C2 climatic region will be evaluated at -40°C.	M	The Bidder must provide documentation that specifies the low temperature operational rating of the proposed MNVD. This can include specification sheets, test reports, configuration reports, etc.	In order to pass, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.			
M10	SRS 3.1.6.4.1	The MNVD must operate without damage and without degradation of performance in all high temperature environments associated with the A3, A2 and A1 (+49°C max) climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.	M	The Bidder must provide documentation that specifies the high temperature operational rating of the proposed MNVD. This can include specification sheets, test reports, configuration reports, etc.	In order to pass, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.			

BID EVALUATION MATRIX FOR MNVD

ID	Reference	Requirement		Instructions to Bidder	Evaluation Criteria	Bidder's Compliance	Bidder's Response
		Statement	Type				
M11	SRS 3.1.6.8.1	The MNVD must not be damaged and must not be degraded in performance following immersion under water in any stowed or operating configuration to a depth of not less than 1 meter below the water surface for a duration of not less than 30 minutes. The MNVD must not require any physical preparations or modifications in advance of being immersed and must be fully operable immediately following the immersion without any preparations or drying.	M	The Bidder must provide documentation that specifies that the proposed MNVD is waterproof when immersed. This can include specification sheets that specify the depth and duration of immersion, the IP rating of the MNVD, test reports, or configuration reports etc.	In order to pass, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.		
M12	SRS 3.12.3	The Demist Shield must be compatible with the MNVD.	M	The Bidder must provide documentation that details the proposed Demist Shield and its compatibility with the proposed MNVD. This can include specification sheets, test reports, configuration reports, etc.	In order to pass, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.		
				M = Mandatory D = Desirable			

BID EVALUATION MATRIX FOR MNVD

ID	Reference	Requirement Statement		Instructions to Bidder	Evaluation Criteria	Maximum Points	Bidder's Response
			Type				
D1	GENERAL	The Bidder should have experience selling large quantities of f' NVDs in the past 5 years.	D	<p>In order to receive points, the Bidder must provide documentation (one or several documents, as necessary) that details sales of NVDs and includes, at minimum:</p> <ul style="list-style-type: none"> - Manufacturer of NVDs sold - Model # or description of the NVDs sold - Quantity sold - Dates of deliveries - Name of seller <p>This can be in the form of company records, contracts, invoices, specifications sheets etc.</p> <p>In cases where there is a name difference between the Bidder and seller or where there may be doubt as to how the Bidder and seller are related, proof must be provided that the Bidder is the seller.</p> <p>Note that only deliveries received by the customer after Jan 2014 are acceptable to meet the 5 year requirement.</p>	<p>In order to receive points, the following is necessary:</p> <ol style="list-style-type: none"> 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement. <p>Points will be awarded as follows:</p> <p>0 pts: The Bidder has sold less than 100 f' NVDs</p> <p>25 pts: The Bidder has sold equal or greater than 100 but less than 500 f' NVDs</p> <p>50 pts: The Bidder has sold equal or greater than 500 but less than 1000 f' NVDs</p> <p>75 pts: The Bidder has sold equal or greater than 1000 f' NVDs</p>	75	
D2	GENERAL	The Bidder should have experience selling f' tubes as spare parts, separate from the fully assembled night vision device in the past 5 years.	D	<p>To receive points, the Bidder must provide documentation (one or several documents, as necessary) that details sales of f' tube and includes, at minimum:</p> <ul style="list-style-type: none"> - Manufacturer of f' tube OEM sold - Model # or description of the f' tube sold - Quantity sold - Dates of deliveries - Name of seller <p>This can be in the form of company records, contracts, invoices, specifications sheets etc.</p> <p>In cases where there is a name difference between the Bidder and seller or where there may be doubt as to how the Bidder and seller are related, proof must be provided that the Bidder is the seller.</p> <p>Note that only deliveries received by the customer after Jan 2014 are acceptable to meet the 5 year requirement.</p>	<p>In order to receive points, the following is necessary:</p> <ol style="list-style-type: none"> 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement. <p>Points will be awarded as follows:</p> <p>0 pts: The Bidder has sold less than 100 f' tubes</p> <p>15 pts: The Bidder has sold equal or greater than 50 but less than 100 f' tubes</p> <p>30 pts: The Bidder has sold equal or greater than 100 but less than 500 f' tubes</p> <p>45 pts: The Bidder has sold equal or greater than 500 f' tubes</p>	45	
D3	GENERAL	The MNVD should be currently in use by a Five Eyes military.	D	<p>In order to receive points, the Bidder must provide the name of manufacturer and Model # of the proposed MNVD.</p> <p>To receive points, the Bidder must provide documentation that details the current usage of the proposed MNVD by a Five Eyes country's military. The documents must include, at minimum:</p> <ul style="list-style-type: none"> - Five Eyes country where equipment is in use - Proof that the user is military - MNVD OEM and model # in use - Date of proof (must be dated Jan 2016 or later) <p>This can include proofs of sale, attestations of use by the customer, press releases or any other relevant documents.</p>	<p>In order to receive points, the following is necessary:</p> <ol style="list-style-type: none"> 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement. <p>Points will be awarded as follows:</p> <p>0 pts: The proposed MNVD is not currently in use by a Five Eyes military.</p> <p>100 pts: The proposed MNVD is currently in use by a Five Eyes military.</p>	100	
D4	SRS 3.1.1.4	The MNVD should have a mass of less than Three Hundred Fifty Five (355) grams, including the eye cup, front lens cap, housing, f' tube, eyepiece, and objective lens, and excluding the battery.	D	<p>To receive points, the Bidder must provide documentation that specifies the mass of the MNVD in the configuration required. This can include specification sheets, test reports, configuration reports, etc.</p>	<p>In order to receive points, the following is necessary:</p> <ol style="list-style-type: none"> 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement. <p>Points will be awarded as follows:</p> <p>0 pts: The proposed MNVD's mass is greater than 355g.</p> <p>25 pts: The proposed MNVD's mass is equal or less than 355g but greater than 325g.</p> <p>50 pts: The proposed MNVD's mass is equal or less than 325g but greater than 300g.</p> <p>75 pts: The proposed MNVD's mass is equal or less than 300g but greater than 275g.</p> <p>100 pts: The proposed MNVD's mass is equal or less than 275g but greater than 250g.</p> <p>125 pts: The proposed MNVD's mass is equal or less than 250g.</p>	125	

BID EVALUATION MATRIX FOR MNVD

ID	Reference	Requirement		Instructions to Bidder	Evaluation Criteria	Maximum Points	Bidder's Response
		Statement	Type				
D5	SRS 3.1.1.15	The MNVD should have a lens coating to prevent condensation from forming on the objective lens.	D	To receive points, the Bidder must provide a statement of compliance that they will provide a lens coating on the proposed MNVD. To receive points, the Bidder must provide a description of the lens coating that shows that it is used to prevent condensation.	In order to receive points, the following is necessary: 1) The statement of compliance is provided; and 2) A description of the lens coating is provided. Points will be awarded as follows: 0 pts: The proposed MNVD will not have a lens coating 50 pts: The proposed MNVD will have a lens coating In order to receive points, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement.	50	
D6	SRS 3.1.2.4	The f ² Tube should have a limiting resolution of more than Seventy Two (72) lp/mm.	D	To receive points, the Bidder must provide documentation that details the proposed f ² Tube's limiting resolution. This can include specification sheets, test reports, configuration reports, etc.	Points will be awarded as follows: 0 pts: The proposed MNVD's limiting resolution is 72. 25 pts: The proposed MNVD's limiting resolution is greater than 72 but less than 74. 50 pts: The proposed MNVD's limiting resolution is equal or greater than 74 but less than 76. 75 pts: The proposed MNVD's limiting resolution is equal or greater than 76 but less than 78. 100 pts: The proposed MNVD's limiting resolution is greater than 78.	100	
D7	SRS 3.1.2.6	The f ² Tube should have a Signal to Noise Ratio (SNR) of more than Thirty (30) at 108 lux.	D	To receive points, the Bidder must provide documentation that details the proposed f ² Tube's Signal to Noise Ratio. This can include specification sheets, test reports, configuration reports, etc.	In order to receive points, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement. Points will be awarded as follows: 0 pts: The proposed MNVD's SNR is 30. 25 pts: The proposed MNVD's SNR is greater than 30 but less than 31. 50 pts: The proposed MNVD's SNR is equal or greater than 31 but less than 32. 75 pts: The proposed MNVD's SNR is equal or greater than 32 but less than 33. 100 pts: The proposed MNVD's SNR is greater than 33.	100	
D8	SRS 3.1.4.4	The MNVD should operate continuously for greater than 12 hours on a single battery at 20°C ambient temperature.	D	The Bidder must provide documentation that specifies the maximum operation time of the proposed MNVD on a single battery. This can include specification sheets, test reports, configuration reports, etc.	In order to receive points, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement. Points will be awarded as follows: 0 pts: The proposed MNVD operates continuously on a single battery for 12 hours. 20 pts: The proposed MNVD operates continuously on a single battery for greater than 12 hours but less than 18 hours. 40 pts: The proposed MNVD operates continuously on a single battery for equal or greater than 18 hours but less than 24 hours. 60 pts: The proposed MNVD operates continuously on a single battery for equal or greater than 24 hours.	60	
D9	SRS 3.1.6.2.2	The MNVD should operate without physical damage and without degradation of performance in all low temperature environments associated with the C0, C1, C2 and C3 (-51°C min) climate regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.	D	To receive points, the Bidder must provide documentation that specifies the low temperature operational rating of the proposed MNVD. This can include specification sheets, test reports, configuration reports, etc.	In order to receive points, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement at one of the temperature levels specified below. Points will be awarded as follows: 0 pts: -40°C to -45°C 10 pts: -46°C to -50°C 20 pts: -51°C or colder In order to receive points, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement at one of the temperature levels specified below.	20	
D10	SRS 3.1.6.3.2	The MNVD should be stored without damage and without degradation of performance in all low temperature environments associated with the C0, C1, C2 and C3 (-51°C min) climate regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.	D	To receive points, the Bidder must provide documentation that specifies the low temperature storage rating of the proposed MNVD. This can include specification sheets, test reports, configuration reports, etc.	Points will be awarded as follows: 0 pts: -40°C to -45°C 10 pts: -46°C to -50°C 20 pts: -51°C or colder	20	

BID EVALUATION MATRIX FOR MNVD

ID	Reference	Requirement		Instructions to Bidder	Evaluation Criteria	Maximum Points	Bidder's Response
		Statement	Type				
D11	SRS 3.1.6.5.2	The MNVD should be stored without damage and without degradation of performance in all high temperature environments associated with the A3, A2, and A1 (+71°C max.) climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.	D	To receive points, the Bidder must provide documentation that specifies the high temperature storage rating of the proposed MNVD. This can include specification sheets, test reports, configuration reports, etc.	In order to receive points, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement at one of the temperature levels specified below. Points will be awarded as follows: 0 pts: +60°C to +70°C 20 pts: +71°C or hotter	20	
D12	SRS 3.1.6.6.1	The MNVD should operate without damage and without degradation of performance under conditions of rapid changes in ambient air temperature as encountered during movements between in-door environments to out-door environments at either high temperature (+49°C) and low temperature (-40°C) extremes. The MNVD must not require any physical modifications or preparations in advance and must not be damaged or degraded from the thermal shocks.	D	To receive points, the Bidder must provide documentation that specifies both the high and low temperature thermal shock limits of the proposed MNVD. This can include specification sheets, test reports, configuration reports, etc.	In order to receive points, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement. Points will be awarded as follows: 0 pts: The requirement is not met. 20 pts: The requirement is met.	20	
D13	SRS 3.1.6.7.1	The MNVD should be stored and operate without damage and without degradation of performance in all high humidity environments associated with B1, B2, and B3 climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.	D	To receive points, the Bidder must provide documentation that specifies the high relative humidity operational rating of the MNVD. This can include specification sheets, test reports, configuration reports, etc.	In order to receive points, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement at one of the relative-humidity (RH) levels specified below. Points will be awarded as follows: 0 pts: 0 to 95%RH 25 pts: 95%RH or more	25	
D14	SRS 3.1.6.10.1	The MNVD should be stored and operate without damage and without degradation of performance in all low ambient air pressure environments from sea level to 4,572 meters pressure-altitude above sea-level.	D	To receive points, the Bidder must provide documentation that specifies the altitude (low pressure) operational rating of the proposed MNVD. This can include specification sheets, test reports, configuration reports, etc.	In order to receive points, the following is necessary: 1) The documentation requested is provided; and 2) The documentation confirms that the Bidder meets the requirement at one of the pressure-altitudes specified below. Points will be awarded as follows: 0 pts: 0 m to 2,437 m. 10 pts: 2,438 m to 4571 m. 20 pts: 4,572 m or above	20	
D15	SRS 3.1.6.11.1	The MNVD unpackaged or in its Carrying Pouch should operate without degradation of performance after being subjected to a 48 inch drop on any face, edge, and corner of the MNVD or carrying pouch.	D	To receive points, the Bidder must provide a test report that the proposed MNVD was tested to MIL-STD-810G, Change 1, Method 516.7, Procedure IV, or an Equivalent Test Method. The test report must describe the configuration of the proposed MNVD during test. The test report must clearly demonstrate that the proposed MNVD completed the testing without degradation of performance. Equivalent Test Methods are acceptable in accordance with paragraph 2.3 of the SRS.	In order to receive points, the following is necessary: 1) The test report requested is provided; and 2) The test report confirms that the Bidder meets the requirement at one of the configurations below. Points will be awarded as follows: 0 pts: Requirement not met. 25 pts: Requirement met with the proposed MNVD tested in its the Carrying Pouch. 50 pts: Requirement met with the proposed MNVD tested unpackaged, outside of its Carrying Pouch.	50	
D16	SRS 3.1.6.12.1	The MNVD in its Carrying Pouch should operate without degradation of performance after 20 minutes of vibration induced during combat transportation as loose cargo.	D	To receive points, the Bidder must provide a test report that the proposed MNVD was tested to MIL-STD-810G, Chapter 1, Method 514.7, Procedure II, Category 5, Loose Cargo, or an Equivalent Test Method. The test report must clearly demonstrate that the proposed MNVD completed the testing without degradation of performance. Equivalent Test Methods are acceptable in accordance with paragraph 2.3 of the SRS.	In order to receive points, the following is necessary: 1) The test report requested is provided; and 2) The test report confirms that the Bidder meets the requirement. Points will be awarded as follows: 0 pts: The requirement is not met. 25 pts: The requirement is met.	25	
D17	SRS 3.3.1	The Head Mount Assembly should be NSN 5955-01-246-8266.	D	To receive points, the Bidder must provide a statement of compliance that they will provide NSN 5955-01-246-8266 for the head mount in the proposed MNVD kit. To receive points, the Bidder must provide the make and model for the head mount in the proposed MNVD kit.	In order to receive points, the following is necessary: 1) The statement of compliance is provided; and 2) The make and model of the proposed head mount is provided. Points will be awarded as follows: 0 pts: The proposed MNVD head mount is not NSN 5955-01-246-8266 50 pts: The proposed MNVD head mount is NSN 5955-01-246-8266	50	

