



National Defence

National Defence Headquarters
Ottawa, Ontario
K1A 0K2

Défense nationale

Quartier général de la Défense nationale
Ottawa (Ontario)
K1A 0K2

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

Proposal To: National Defence 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 and services listed herein and on any attached sheets at the price(s) set out therefore.

Proposition à : Défense nationale 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 et services énumérés ici et sur toute feuille ci-annexée, au(x) prix indique(s).

Comments - Commentaires

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

By e-mail to: - Par courriel au :
DLP53BidsReceiving.DAAT53Receptiondessoumissions@forces.gc.ca

Attention: - Attention :
Martin Rheume (BT106)

Title - Sujet ADVANCED ELECTRO – OPTICAL SYSTEM FOR THE 84MM CARL GUSTAF SYSTÈME ELECTRO – OPTIQUE AVANCÉ POUR LE 84MM CARL GUSTAF	
Solicitation No. N° de l'invitation W8476-216388/A	Date of Solicitation Date de l'invitation 2022-06-10
Address enquiries to: - Adresser toute demande de renseignements à : Martin Rhéaume E-Mail Address - Courriel Martin.rheume@forces.gc.ca	
Destination See herein - Voir aux présentes	

Instructions: Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions : Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.

Delivery requested Livraison demandée See herein - Voir aux présentes	Delivery offered Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Person authorized to sign on behalf of Vendor/Firm (type or print): La personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie) :	
Name - Nom	Title - Titre
Signature	Date

Solicitation Closes - L'invitation prend fin At - à : 2:00 PM - 14:00 On - le : 2022-07-05 Time Zone - Fuseau Horaire : Eastern Standard Time (EST) Heure normale de l'Est (HNE)

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	4
1.1 REQUIREMENT	4
1.2 SECURITY REQUIREMENTS	4
1.3 CONTROLLED GOODS REQUIREMENT	4
1.4 DEBRIEFINGS	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	6
2.4 APPLICABLE LAWS	6
2.5 IMPROVEMENT OF REQUIREMENT DURING SOLICITATION PERIOD	6
2.6 TECHNICAL DATA PACKAGE	6
PART 3 - BID PREPARATION INSTRUCTIONS	7
3.1 BID PREPARATION INSTRUCTIONS	7
3.2 SECTION I: TECHNICAL BID	7
3.3 SECTION II: FINANCIAL BID	7
3.4 SECTION III: CERTIFICATIONS	7
3.5 SECTION IV: ADDITIONAL INFORMATION	8
ATTACHMENT 1 TO PART 3 - ELECTRONIC PAYMENT INSTRUMENTS	9
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	10
4.1 EVALUATION PROCEDURES	10
4.2 BASIS OF SELECTION - LOWEST EVALUATED PRICE, MANDATORY TECHNICAL CRITERIA	10
ATTACHMENT 1 TO PART 4 - EVALUATION CRITERIA	11
ATTACHMENT 2 TO PART 4 - PRICING SCHEDULE	12
1. GENERAL	12
2. FIRM GOODS AND/OR SERVICES	12
3. PRICE OF THE BID	12
PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION	13
5.1 GENERAL	13
5.2 CERTIFICATIONS REQUIRED WITH THE BID	13
5.3 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION	13
ATTACHMENT 1 TO PART 5 - FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION	15
PART 6 - RESULTING CONTRACT CLAUSES	16
6.1 SECURITY REQUIREMENTS	16
6.2 REQUIREMENT	16
6.3 STANDARD CLAUSES AND CONDITIONS	16
6.4 TERM OF CONTRACT	16
6.5 AUTHORITIES	17
6.6 PAYMENT	17
6.7 INVOICING	18
6.8 CERTIFICATIONS AND ADDITIONAL INFORMATION	19
6.9 APPLICABLE LAWS	19
6.10 PRIORITY OF DOCUMENTS	19
6.11 DEFENCE CONTRACT	19

6.12	INSURANCE - NO SPECIFIC REQUIREMENT	19
6.13	CONTROLLED GOODS PROGRAM	20
6.14	CONTROLLED GOODS	20
6.15	INSPECTION AND ACCEPTANCE	20
6.16	POST-CONTRACT AWARD MEETING	20
6.17	QUALITY MANAGEMENT SYSTEMS - REQUIREMENTS (QUALITY ASSURANCE CODE C)	20
6.18	MATERIAL	21
6.19	INTERCHANGEABILITY	21
6.20	PACKAGING	21
6.21	WOOD PACKAGING MATERIALS	21
6.22	PREPARATION FOR DELIVERY	21
6.23	DELIVERY OF DANGEROUS GOODS/HAZARDOUS PRODUCTS	21
6.24	TOOLS AND LOOSE EQUIPMENT	22
6.25	DELIVERY AND UNLOADING	22
6.26	INCOMPLETE ASSEMBLIES	22
6.27	WORK SITE ACCESS	22
6.28	CANADIAN FORCES SITE REGULATIONS	23
6.29	DISPUTE RESOLUTION SERVICES	23
6.30	UNITED STATES MILITARY SPECIFICATIONS AND STANDARDS	23
	ANNEX A - REQUIREMENT	24
	ANNEX B - BASIS OF PAYMENT	25
1.	GENERAL	25
2.	FIRM GOODS	25

PART 1 - GENERAL INFORMATION

1.1 Requirement

- A. The Department of National Defence (DND) has a requirement to procure thirty (30) ADVANCED ELECTRO – OPTICAL SYSTEM FOR THE 84MM CARL GUSTAF for delivery to Montreal, Quebec. The requested delivery date is 160 days from contract award.
- B. The requirement is detailed under the article entitled Requirement of the resulting contract clauses in Part 6.

1.2 Security Requirements

- A. There is no security requirement associated with this bid solicitation.

1.3 Controlled Goods Requirement

- A. As the resulting contract will require the production of or access to controlled goods that are subject to the [Defence Production Act](#), R.S. 1985, c. D-1, bidders are advised that within Canada only persons who are registered, exempt or excluded under the Controlled Goods Program (CGP) are lawfully entitled to examine, possess or transfer controlled goods. Details on how to register under the CGP are available at: [Controlled Goods Program](#) and registration is carried out as follows:
 - (i) When the bid solicitation includes controlled goods information or technology, the Bidder must be registered, exempt or excluded under the CGP before receiving the bid solicitation. Requests for technical data packages or specifications related to controlled goods should be made in writing to the Contracting Authority identified in the bid solicitation and must contain the CGP registration number or written proof of exemption or exclusion of the Bidder and of any other person to whom the Bidder will give access to the controlled goods.
 - (ii) When the bid solicitation does not include controlled goods information or technology but the resulting contract requires the production of or access to controlled goods, the successful Bidder and any subcontractor who will be producing or accessing controlled goods must be registered, exempt or excluded under the CGP before examining, possessing or transferring controlled goods.
 - (iii) When the successful Bidder and any subcontractor proposed to examine, possess or transfer controlled goods are not registered, exempt or excluded under the CGP at time of contract award, the successful Bidder and any subcontractor must, within seven (7) working days from receipt of written notification of contract award, ensure that the required application(s) for registration or exemption are submitted to the CGP. No examination, possession or transfer of controlled goods must be performed until the successful Bidder has provided proof, satisfactory to the Contracting Authority, that the successful Bidder and any subcontractor are registered, exempt, or excluded under the CGP.

Failure to provide proof, satisfactory to the Contracting Authority, that the successful Bidder and any subcontractor are registered, exempt or excluded under the CGP, within thirty (30) days from receipt of written notification of contract award, will be considered a default under the resulting contract except to the extent that Canada is responsible for the failure due to delay in processing the application.

- B. Bidders are advised that all information on the Application for Registration (or exemption) Form will be verified and errors or inaccuracies may cause significant delays and/or result in denial of registration or exemption.

1.4 Debriefings

- A. 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.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

A. All instructions, clauses and conditions identified in this document and any of its attachments by number, date, and title are either:

- (i) Set out in the [Standard Acquisition Clauses and Conditions \(SACC\) 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; or
- (ii) Included as attachments.

These documents are incorporated by reference and they form part of this document as though they were expressly set out here in full.

B. 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.

C. The [2003](#) (2020-05-28), Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation, with the following modification(s):

- (i) Section 02, Procurement Business Number, is deleted in its entirety;
- (ii) Section 05, Submission of bids, subsection 2, paragraph d., is deleted in its entirety and replaced with the following:
 - d. send its bid only to the location specified on page 1 of the bid solicitation or to the address specified in the bid solicitation.
- (iii) Section 05, Submission of bids, subsection 4, is amended as follows:
 - Delete: 60 days
 - Insert: 120 days
- (iv) Section 06, Late bids, is deleted in its entirety;
- (v) Section 07, Delayed bids, is deleted in its entirety and replaced with the following:
 - 07 Delayed bids
 - 1. It is the Bidder's responsibility to ensure that the Contracting Authority has received the entire submission. Misrouting or other electronic delivery issues resulting in late submission of bids will not be accepted.
- (vi) Section 08, Transmission by facsimile or by epost Connect, is deleted in its entirety.
- (vii) Section 20, Further information, subsection 2, is deleted in its entirety.

2.2 Submission of Bids

A. Bids must be submitted only to the Department of National Defence (DND) by the date, time, and place indicated on page 1 of the bid solicitation.

2.2.1 Electronic Submissions

A. Individual e-mails that may include certain scripts, formats, embedded macros and/or links, or those that exceed 5 megabytes may be rejected by Canada's e-mail system and/or firewall(s) without notice to the

Bidder or Contracting Authority. Larger bids may be submitted through more than one e-mail. Canada will confirm receipt of documents. It is the Bidder's responsibility to ensure that their entire submission has been received. Bidders should not assume that all documents have been received unless Canada confirms receipt of each document. In order to minimize the potential for technical issues, bidders are requested to allow sufficient time before the closing date and time to confirm receipt. Bid documents submitted after the closing time and date will not be accepted.

2.3 Enquiries - Bid Solicitation

- A. All enquiries must be submitted in writing to the Contracting Authority no later than 10 calendar days before the bid closing date. Enquiries received after that time may not be answered.
- B. Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

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

2.5 Improvement of Requirement During Solicitation Period

- A. Should bidders consider that the specifications or Requirement 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 10 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

2.6 Technical Data Package

- A. A Technical Data Package (TDP) containing technical documents associated with the Work is available upon request. All requests must be made to the Contracting Authority. Bidders are responsible for requesting the TDP early enough to ensure that the documents are received through regular mail before bid closing.
- B. Some documents may be identified as property or intellectual property of a third-party contractor. In all cases, either:
 - (i) The documents have been mislabelled and are, in fact, property of the Crown, or
 - (ii) The Crown has a licence or other unlimited rights to use these drawings in accordance with the Contract(s) under which the drawings were developed.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- A. Canada requests that Bidders provide their bid in separate sections as follows:
- Section I: Technical Bid: 1 soft copy in PDF format by e-mail;
- Section II: Financial Bid: 1 soft copy in PDF format by e-mail;
- Section III: Certifications: 1 soft copy in PDF format by e-mail; and
- Section IV: Additional Information: 1 soft copy in PDF format by e-mail.
- B. Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.
- C. Canada requests that Bidders follow the format instructions described below in the preparation of their bid:
- (i) Use 8.5 x 11 inch (216 mm x 279 mm); and
 - (ii) Use a numbering system that corresponds to the bid solicitation.
- D. Bidders must demonstrate their compliance with the attachment to Part 4 entitled Evaluation Criteria. of the bid solicitation by providing substantial information describing completely and in detail how the requirement is met or addressed. Bidders must provide with their technical bid, a document indicating clearly where the substantial information for each of the sections identified below can be found.

3.2 Section I: Technical Bid

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

3.3 Section II: Financial Bid

- A. Bidders must submit their financial bid in accordance with the attachment to Part 4 entitled Pricing Schedule.

3.3.1 Electronic Payment of Invoices - Bid

- A. If you are willing to accept payment of invoices by Electronic Payment Instruments, complete the attachment to Part 3 entitled Electronic Payment Instruments, to identify which ones are accepted.
- B. If the attachment to Part 3 entitled Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.
- C. Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.3.2 Exchange Rate Fluctuation

- A. The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

3.4 Section III: Certifications

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

3.5 Section IV: Additional Information

A. In Section IV of their bid, bidders should provide:

- (i) A completed, signed, and dated Page 1 of this solicitation, or final amendment, as applicable;
- (ii) The name of the contact person (provide also this person's title, mailing address, phone number, and e-mail address) authorized by the Bidder to enter into communications with Canada with regards to their bid, and any contract that may result from their bid;
- (iii) Any other information submitted in the bid not already detailed.

3.5.1 Delivery Date(s)

A. Any delivery date(s) offered will not be included in the evaluation.

3.5.1.1 Firm Goods and/or Services

A. Delivery of the Firm Goods and/or Services is requested on or before 160 days from date of contract. If a longer delivery period is required, the Bidder must submit the best delivery that could be offered, in the form of either a fixed date or a period of time from contract award. Failure to submit a date or time period will be taken as acceptance of delivery within the requested timeframe.

3.5.2 Warranty Period

3.5.2.1 Manufacturer's Standard Warranty Period

A. Canada requests that the Bidder provide details of the manufacturer's standard warranty period for the equipment and components that exceeds the minimum warranty period of 12 months. Any additional manufacturer's standard warranty such as those derived from the Original Equipment Manufacturer (OEM) for component/subassemblies will form part of the proposed contract.

ATTACHMENT 1 TO PART 3 - ELECTRONIC PAYMENT INSTRUMENTS

A. The Bidder accepts to be paid by any of the following Electronic Payment Instrument(s):

- () Direct Deposit (Domestic and International);
- () Electronic Data Interchange (EDI); and
- () Wire Transfer (International Only).

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Technical Evaluation

- A. Mandatory technical evaluation criteria are included in the attachment to Part 4 entitled Evaluation Criteria.

4.1.2 Financial Evaluation

4.1.2.1 Firm Goods and/or Services

- A. The price of the bid will be evaluated in Canadian dollars, Delivered Duty Paid (DDP) destination, Incoterms 2010, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

4.2 Basis of Selection - Lowest Evaluated Price, Mandatory Technical Criteria

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

ATTACHMENT 1 TO PART 4 - EVALUATION CRITERIA

See attached document entitled:

“ANNEX C BIDDERS INSTRUCTIONS AND TECHNICAL EVALUATION PLAN FOR THE ADVANCED ELECTRO
– OPTICAL SYSTEM FOR THE 84MM CARL GUSTAF DATED 2022-05-12”

ATTACHMENT 2 TO PART 4 - PRICING SCHEDULE

1. General

- A. Bidders must submit a Firm Unit Price for each Item.
- B. Bidders are requested to complete the following Pricing Schedule and include it in the bid.

2. Firm Goods and/or Services

2.1 ADVANCED ELECTRO – OPTICAL SYSTEM FOR THE 84MM CARL GUSTAF

- A. The Firm Unit Price(s) include(s) associated specifications and deliverables as per Annex A, Requirement, Delivered Duty Paid (DDP) specified Delivery Point, Incoterms 2010:

Item	Delivery Point	Quantity Required (A)	Firm Unit Price (B)	Sub-Total (C = A x B)
001	25 CF Supply Depot Montreal 6363 Notre Dame St. E. Montreal, QC H1N 1V9	30	\$	\$

3. Price of the Bid

Total (D = sum C)	\$
--------------------------	----

PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION

5.1 General

- A. Bidders must provide the required certifications and additional information to be awarded a contract.
- B. 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.
- C. 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.

5.1.2 Certifications - Contract

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

5.2 Certifications Required with the Bid

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

5.2.1 Integrity Provisions - Declaration of Convicted Offences

- A. In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, if applicable, the Integrity 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.

5.3 Certifications Precedent to Contract Award and Additional Information

- A. 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 specified will render the bid non-responsive.

5.3.1 Integrity Provisions - Required Documentation

- A. 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.

5.3.2 Federal Contractors Program for Employment Equity - Bid Certification

- A. 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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#)" 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#>).

- B. 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.

5.3.3 Product Conformance

- A. The Bidder certifies that all vehicles/equipment proposed conform, and will continue to conform throughout the duration of the contract, to all technical specifications of Annex A, Requirement. This certification does not relieve the bid from meeting all mandatory technical evaluation criteria detailed in Part 4.

Signature of Bidder's Authorized Representative

Date

ATTACHMENT 1 to Part 5 - FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

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

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

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

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a federally regulated employer being subject to the Employment Equity Act.
- A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).
- A5. The Bidder has a combined workforce in Canada of 100 or more employees; and
 - A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.

OR

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

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

- A. There is no security requirement applicable to the Contract.

6.2 Requirement

- A. The Contractor must provide the item(s) detailed under the Requirement at Annex A and the Basis of Payment at Annex B.

6.3 Standard Clauses and Conditions

- A. All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions \(SACC\) 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

- A. 2010A (2021-12-02), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract, with the following modification:

- (i) Article 01, Interpretation, definition of "Canada", "Crown", "Her Majesty" or "the Government", is deleted in its entirety and replaced with the following:

"Canada", "Crown", "Her Majesty" or "the Government" means Her Majesty the Queen in right of Canada as represented by the Minister of National Defence and any other person duly authorized to act on behalf of that minister or, if applicable, an appropriate minister to whom the Minister of National Defence has delegated his or her powers, duties or functions and any other person duly authorized to act on behalf of that minister.

6.3.2 Existing Technical Publications - Translation

- A. The Contractor grants to Canada a non-exclusive, perpetual, irrevocable and royalty-free license to translate and reproduce for government use all or any part of the technical publications supplied with the equipment delivered under the Contract. Copyright in the translation made by Canada or by independent contractors engaged by Canada will belong to Canada.

6.4 Term of Contract

6.4.1 Delivery Dates

- A. All the deliverables must be received on or before the date(s) specified in Annex B of the Contract.

6.4.2 Delivery Points

- A. Delivery of the requirement must be made to delivery point(s) specified at Annex B of the Contract.
- B. The Contractor must deliver the goods by appointment only. The Contractor is responsible for contacting the Contracting Authority in advance of shipping to obtain the contact information for the delivery point(s). The Contractor or its carrier must arrange delivery appointments by contacting the delivery point(s). The consignee(s) may refuse shipments when prior arrangements have not been made. When the carrier is required to return due to its failure to make an appointment for delivery, Canada will not be liable to pay for additional costs.

6.5 Authorities

6.5.1 Contracting Authority

A. The Contracting Authority for the Contract is:

Name: Martin Rhéaume
Position: DLP 5-3
Address: Department of National Defence Headquarters
101 Colonel By Drive
Ottawa, Ontario K1A 0K2
E-mail: martin.rheaume@forces.gc.ca

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

6.5.2 Technical Authority

A. The Technical Authority for the Contract is:

[Contact information to be detailed in the resulting contract]

Name: _____
Title: _____
Position: _____
Address: Department of National Defence Headquarters
101 Colonel By Drive
Ottawa, Ontario K1A 0K2
Telephone: _____
E-mail: _____

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

6.5.3 Contractor's Representative

[Contact information to be detailed in the resulting contract]

Name: _____
Title: _____
Address: _____

Telephone: _____
E-mail: _____

6.6 Payment

6.6.1 Basis of Payment

6.6.1.1 Firm Unit Price(s)

A. In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) as specified in Annex B for a cost of \$[amount to be detailed in the resulting contract]. Customs duties are included and Applicable Taxes are extra.

6.6.2 Method of Payment

6.6.2.1 Multiple Payment

- A. Canada will pay the Contractor upon completion and delivery of units in accordance with the payment provisions of the Contract if:
- (i) an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
 - (ii) all such documents have been verified by Canada; and
 - (iii) the Work delivered has been accepted by Canada.

6.6.3 Electronic Payment of Invoices

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

[List to be updated in the resulting contract]

- (i) Direct Deposit (Domestic and International);
- (ii) Electronic Data Interchange (EDI) (International only); and
- (iii) Wire Transfer (International Only);

6.7 Invoicing

6.7.1 Invoicing Instructions

- A. 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.
- B. Each invoice must contain or be supported by the applicable documents:
- (i) The serial number(s);
 - (ii) A copy of the release document and any other documents as specified in the Contract; and
 - (iii) A description of the Work delivered.
- C. Invoices must be distributed as follows:
- (i) The invoice along with any required supporting documentation must be forwarded to the Contracting Authority for certification and payment at:

Email: [email to be detailed in the resulting contract]
 - (ii) By submitting a .pdf copy, the Contractor certifies that the .pdf copy of each invoice will be considered as the original invoice. In addition, the Contractor must indicate the contract number and name of the Contracting Authority in its covering e-mail.

6.7.2 Holdback

- A. A 10% holdback will apply on any due payment of the following:
- (i) Item 1 as per Annex B.

- B. Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous invoice.
- C. Release of the 10% holdback is conditional upon receipt and acceptance of all Work under this Contract.
- D. Invoicing instructions for the holdback are as detailed in the clause entitled "Invoicing Instructions".

6.8 Certifications and Additional Information

6.8.1 Compliance

- A. 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 Applicable Laws

- A. The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario or **as specified by the bidder in its bid, if applicable**.

6.10 Priority of Documents

- A. 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:
 - (i) The Articles of Agreement;
 - (ii) The General Conditions 2010A (2021-12-02), General Conditions - Goods (Medium Complexity);
 - (iii) Annex A, Requirement;
 - (iv) Annex B, Basis of Payment;
 - (v) The Contract's bid dated **to be included at contract award**.

6.11 Defence Contract

- A. The Contract is a defence contract within the meaning of the Defence Production Act, R.S.C. 1985, c. D-1 (<http://laws-lois.justice.gc.ca/eng/acts/d-1/>), and must be governed accordingly.
- B. Title to the Work or to any materials, parts, work-in-process or finished work must belong to Canada free and clear of all claims, liens, attachments, charges or encumbrances. Canada is entitled, at any time, to remove, sell or dispose of the Work or any part of the Work in accordance with section 20 of the Defence Production Act.

6.12 Insurance - No Specific Requirement

- A. The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

6.13 Controlled Goods Program

- A. As the Contract requires production of or access to controlled goods that are subject to the *Defence Production Act*, R.S. 1985, c. D-1 (<http://laws-lois.justice.gc.ca/eng/acts/d-1/>), the Contractor and any subcontractor are advised that, within Canada, only persons who are registered, exempt or excluded under the Controlled Goods Program (CGP) are lawfully entitled to examine, possess or transfer controlled goods. Details on how to register under the CGP are available at: [Controlled Goods Program](http://ssi-iss.tpsgc-pwgsc.gc.ca/dmc-cgd/index-eng.html) (<http://ssi-iss.tpsgc-pwgsc.gc.ca/dmc-cgd/index-eng.html>).
- B. When the Contractor and any subcontractor proposed to examine, possess or transfer controlled goods are not registered, exempt or excluded under the CGP at time of contract award, the Contractor and any subcontractor must, within 7 working days from receipt of written notification of the contract award, ensure that the required application(s) for registration or exemption are submitted to the CGP. No examination, possession or transfer of controlled goods must be performed until the Contractor has provided proof, satisfactory to the Contracting Authority, that the Contractor and any subcontractor are registered, exempt or excluded under the CGP.
- C. Failure of the Contractor to provide proof, satisfactory to the Contracting Authority, that the Contractor and any subcontractor are registered, exempt or excluded under the CGP, within 30 days from receipt of written notification of contract award, will be considered a default under the Contract except to the extent that Canada is responsible for the failure due to delay in processing the application.
- D. The Contractor and any subcontractor must maintain registration, exemption or exclusion from the CGP for the duration of the Contract and in any event for so long as they will examine, possess or transfer controlled goods.

6.14 Controlled Goods

- A. The Contract involves controlled goods as defined in the Schedule to the *Defence Production Act* (<http://laws-lois.justice.gc.ca/eng/acts/d-1/>). The Contractor must identify those controlled goods to the Department of National Defence.

6.15 Inspection and Acceptance

- A. The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Requirement and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

6.16 Post-Contract Award Meeting

- A. Within 10 days of the date of Contract, the Contractor must contact the Contracting Authority to determine if a post-contract award meeting is required. A meeting will be convened at the discretion of the Contracting Authority to review technical and contractual requirements. The Contractor must prepare and distribute the minutes of the meeting within 5 calendar days after the completion of the meeting. The meeting will be held at the Contractor's facility or via teleconference at Canada's discretion at no additional cost to Canada, with representatives of the Contractor and the Department of National Defence.

6.17 Quality Management Systems - Requirements (Quality Assurance Code C)

- A. The Contractor is responsible for implementing a quality system appropriate to the scope of the work to be performed. It is recommended that the quality system be based on *ISO 9001:2015 "Quality management systems - Requirements."*

- B. The Contractor is responsible for performing or having performed all inspections and tests necessary to substantiate that the materiel or services provided conform to the drawings, specifications and the requirements of the contract. The Contractor must keep accurate and complete inspection records which must, upon request, be made available to the authorized Department of National Defence (DND) representative, who may make copies and take extracts during the performance of the Contract and for a period of 1 year after the completion of the Contract.
- C. Despite the above, all materiel is subject to verification and acceptance by DND at destination. The authorized DND representative at destination may either be the consignee(s), the Technical Authority, or the Quality Assurance Authority.

6.18 Material

- A. Material supplied must be new unused and of current production by manufacturer.

6.19 Interchangeability

- A. Unless changes during the production run are authorized by the Contracting Authority, all vehicles/equipment supplied against any one item of a contract must be the same make and model, and all like assemblies, sub-assemblies and parts must be interchangeable.

6.20 Packaging

- A. The methods used for preservation and packaging must be in conformity with the Contractor's normal standard for domestic shipment or, if necessary, with standards for overseas shipment as below deck cargo.

6.21 Wood packaging materials

- A. All wood packaging materials used in shipping must conform to the [International Standards for Phytosanitary Measures No. 15: Regulation of Wood Packaging Material in International Trade \(ISPM 15\)](https://www.ippc.int/en/core-activities/standards-setting/ispms/) (<https://www.ippc.int/en/core-activities/standards-setting/ispms/>).
- B. Pertinent additional information on Canada's import and export programs is provided in the following Canadian Food Inspection Agency policy directives:
 - (i) D-98-08 - [Entry Requirements for Wood Packaging Materials Produced in All Areas Other Than the Continental United States](http://www.inspection.gc.ca/plants/plant-protection/directives/forestry/d-98-08/eng/1323963831423/1323964135993) (<http://www.inspection.gc.ca/plants/plant-protection/directives/forestry/d-98-08/eng/1323963831423/1323964135993>); and
 - (ii) D-13-01 - [Canadian Heat Treated Wood Products Certification Program \(HT Program\)](http://www.inspection.gc.ca/plants/forestry/exports/ht-program/eng/1319462565070/1319462677967) (<http://www.inspection.gc.ca/plants/forestry/exports/ht-program/eng/1319462565070/1319462677967>).

6.22 Preparation for Delivery

- A. The equipment must be serviced, adjusted and delivered in condition for immediate use. The equipment must be cleaned before leaving the factory and being released to Inspection Authority or consignee personnel at the final delivery point.

6.23 Delivery of Dangerous Goods/Hazardous Products

- A. The Contractor must mark dangerous goods/hazardous products which are classed as dangerous/hazardous as follows:
 - (i) shipping container - in accordance with the [Transportation of Dangerous Goods Act](http://laws-lois.justice.gc.ca/eng/acts/T-19.01/), 1992, c. 34 (<http://laws-lois.justice.gc.ca/eng/acts/T-19.01/>); and

- (ii) immediate product container - in accordance with the *Hazardous Products Act*, R.S., 1985, c. H-3 (<http://laws-lois.justice.gc.ca/eng/acts/H-3/>).

B. The Contractor must provide bilingual Safety Data Sheets, indicating the NATO Stock Number as follows:

- (i) 2 hard copies:
 - (a) 1 copy to be enclosed with the shipment, and
 - (b) 1 copy to be mailed to:

National Defence Headquarters
MGen George R. Pearkes Building
101 Colonel By Drive
Ottawa, Ontario K1A 0K2
Attention: DSCO 5-4-2

- (ii) 1 copy sent in any electronic format to the following address: MSDS-FS@FORCES.GC.CA.

- C. The Contractor will be responsible for any damages caused by improper packaging, labelling or carriage of dangerous goods/hazardous products.
- D. The Contractor must ensure they adhere to all levels of regulations regarding dangerous goods/hazardous products as set forth by federal, provincial, and municipal laws and by-laws.
- E. The Contractor must contact the consignee (i.e. Supply Depot Traffic Section) at least 48 hours before shipping dangerous goods/hazardous products in order to schedule a receiving time.

6.24 Tools and Loose Equipment

- A. For shipment verification, all items and tools, which are shipped loose with the equipment must be listed on the Inspection Certificate (CF1280) or on an attached packing note.

6.25 Delivery and Unloading

- A. Delivery trucks must be equipped with an unloading device which will permit unloading at sites with no hydraulic, stationary or other type of unloading facility.
- B. When making deliveries, sufficient personnel must be provided to permit unloading of any type of vehicle without the assistance of federal government personnel.
- C. At some sites, the delivery truck must be unloaded while parked at the curb. When material is placed on the sidewalk, it must be placed in proximity to the designated entrance so as to be readily accessible to transport by mechanical handling equipment utilized by site personnel.

6.26 Incomplete Assemblies

- A. The Contractor must not ship incomplete assemblies unless the authorization for such shipment has been obtained from the Contracting Authority.

6.27 Work Site Access

- A. Authorized representatives of Canada must have access to any site where any part of the Work is being carried out at any time during working hours to make examinations and such tests of the Work as they may think fit.

6.28 Canadian Forces Site Regulations

- A. The Contractor must comply with all standing orders or other regulations, instructions, and directives in force on the site where the Work is performed.

6.29 Dispute Resolution Services

- A. The parties understand that the Procurement Ombudsman appointed pursuant to subsection 22.1 (1) of the Department of Public Works and Government Services Act will, on request of a party, provide a proposal for an alternative dispute resolution process to resolve any dispute arising between the parties respecting the interpretation or application of a term or condition of this contract. The parties may consent to participate in the proposed alternative dispute resolution process and to bear the cost of such process. The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca.

6.30 United States Military Specifications and Standards

- A. The Contractor is responsible for obtaining copies of all United States (US) military specifications and standards which may be applicable to the requirement. These specifications and standards are available commercially, or may be obtained by visiting the US Department of Defence Website, at the following address: [US Department of Defence \(http://www.defense.gov/\)](http://www.defense.gov/).

ANNEX A - REQUIREMENT

See attached document(s) entitled:

“ANNEX A STATEMENT OF WORK FOR THE ADVANCED ELECTRO – OPTICAL SYSTEM FOR THE 84MM
CARL GUSTAF DATED 2022-05-12”

ANNEX B - BASIS OF PAYMENT

1. General

A. All prices and costs are in Canadian Dollars, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

2. Firm Goods

2.1 ADVANCED ELECTRO – OPTICAL SYSTEM KIT FOR THE 84MM CARL GUSTAF

A. The Firm Unit Price(s) include(s) associated specifications and deliverables as per Annex A, Requirement, Delivered Duty Paid (DDP) specified Delivery Point, Incoterms 2010:

Item	Delivery Point	Delivery Date	Quantity Required	Make/Model	Firm Unit Price
1	25 CF Supply Depot Montreal 6363 Notre Dame St. E. Montreal, QC H1N 1V9 Attn: To be added in the resulting contract]	[Date to be detailed in the resulting contract]	30	[To be added in the resulting contract]	[\$[Cost to be detailed in the resulting contract]

ANNEX A



STATEMENT OF WORK

FOR THE

ADVANCED ELECTRO – OPTICAL SYSTEM KIT FOR THE 84MM CARL GUSTAF

DATE: 2022-05-12

NOTICE:

This document has been reviewed by the technical authority and does not contain controlled goods. Disclosure notices and handling instructions originally received with the document must continue to apply.



AVIS:

Ce document a été révisé par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis de divulgation et les instructions de maintenance reçus à l'origine avec le document continuent de s'appliquer.

CONTENTS

1	SCOPE.....	3
1.1	PURPOSE.....	3
1.2	BACKGROUND.....	3
1.3	LEFT BLANK.....	3
1.4	LIST OF ACRONYMS AND ABBREVIATIONS.....	3
2	APPLICABLE DOCUMENTS.....	4
2.1	APPLICABILITY.....	4
2.2	ORDER OF PRECEDENCE.....	5
2.3	NATIONAL DEFENCE REFERENCE DOCUMENTS.....	5
2.4	NORTH ATLANTIC TREATY ORGANIZATION (NATO) REFERENCE DOCUMENTS.....	5
2.5	OTHER DOCUMENTS.....	6
3	MANDATORY REQUIREMENTS.....	6
3.1	AEOS KIT GENERAL REQUIREMENTS.....	6
3.2	AEOS GENERAL REQUIREMENTS.....	7
3.3	AEOS DAY SIGHT REQUIREMENTS.....	8
3.4	AEOS THERMAL IMAGER REQUIREMENTS.....	9
4	DELIVERABLES.....	10
4.1	GENERAL DELIVERABLE REQUIREMENTS.....	10
4.2	CERTIFICATES OF COMPLIANCE.....	11
4.3	PRODUCTION DELIVERABLES.....	12
4.4	ITEM IDENTIFICATION MARKING AND LABELLING OF AEOS KIT.....	12
4.5	PACKAGE LABELLING.....	15
4.6	PROVISIONING PARTS BREAKDOWN AND SPARE PARTS LIST.....	16
4.7	INTEGRATED LOGISTIC SUPPORT (ILS).....	16
4.8	SAFETY RECALLS AND SERVICING DATA.....	19
4.9	TRAINING MATERIALS.....	20
	APPENDIX 1.....	21
	APPENDIX 2.....	30

1 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 the Advanced Electro – Optic System kit for the 84mm Carl Gustaf.

1.2 BACKGROUND

- 1.2.1 The Canadian Armed Forces (CAF) at present utilizes the SAAB 84mm M3 Carl Gustaf (CG) with a 3X Optical day telescope to acquire and engage potential targets. Lessons learned during training for current operations has demonstrated that the 84mm Carl Gustaf attained a low target hit accuracy on stationary target from an estimated 400 meters. Soldiers must estimate ranges for day and night environments limiting their ability and accuracy to hit potential targets. To meet this challenge and maintain effective means of applying firepower of our 84mm Carl Gustaf reliably to hit their intended targets a new requirement for an Advanced Electro – Optical System is needed. This new system would provide protection, lethality with soldier mobility.

1.3 LEFT BLANK

1.4 LIST OF ACRONYMS AND ABBREVIATIONS

AEOS	Advanced Electro – Optical System
TI	Thermal Imager
SOW	Statement of Work
NDQAR	National Defense Quality Assurance Representative
DND	Department of National Defense
GSM	Government Supplied Materiel
TA	Technical Authority
CAF	Canadian Armed Forces
NATO	North Atlantic Treaty Organization
NSA	NATO Standardization Agency
STANAG	Standardization Agreement
NVD	Night Vision Devices
MOA	Minute of Angle
GDOTS	General Dynamics Ordinance and Tactical Systems
M (m)	Meters

Definitions and Terminology

- 1.4.1 A mandatory requirement is a criterion that **must** be met if an AEOS kit is to be considered for selection. Performance designated as mandatory is deemed to be so important that even if the AEOS kit meets all other criteria the AEOS kit will be rejected as not meeting this SOW. In this

document the terms “**must**” is to be determined synonymous with the word essential and mandatory.

1.4.2 “Minute of Angle (MOA)” is as an angular measurement defined as 1/60th of a degree. 1 MOA spreads 2.9 cm at a range of 100 m and 8.7 cm at a range of 300m.

1.4.3 “AEOS Kit” is defined as the AEOS day sight (which includes the fire control system (FCS) laser range finder (LRF)), the thermal imager and all its accessories: Mounting hardware, batteries, In addition the Accessories: the Carriage, Remote, and Maintenance Items and Documentation. Figure 1

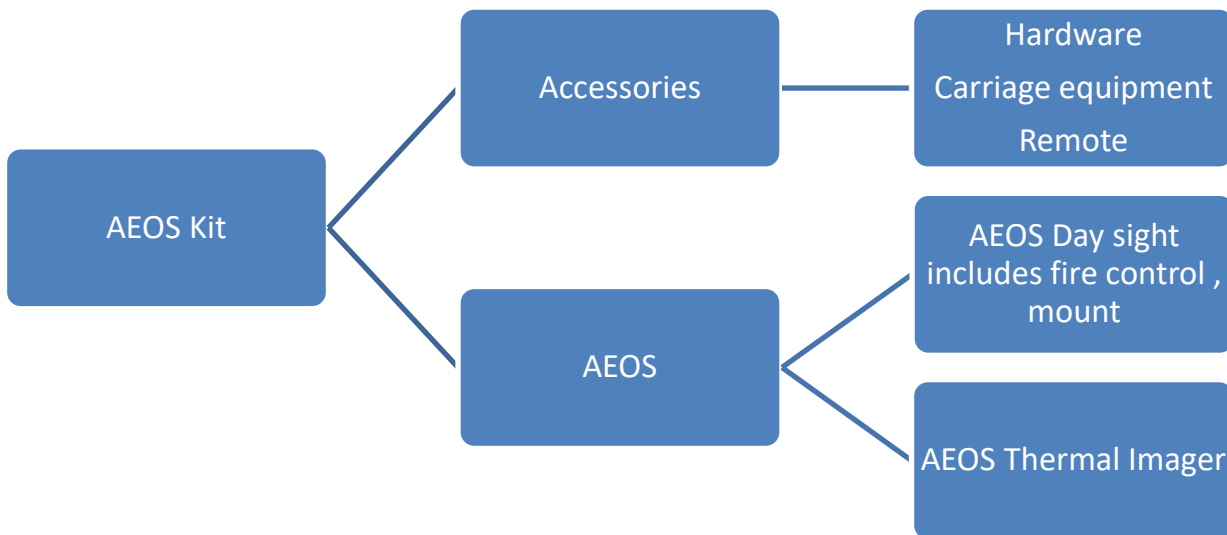


Figure 1: AEOS kit Breakdown Chart

2 APPLICABLE DOCUMENTS

2.1 APPLICABILITY

2.1.1 The documents listed in Section 2.3, 2.4 and 2.5 set mandatory standards that apply to and form part of this SOW. The Contractor is responsible for ensuring that it has obtained the most current version of each document. The version of the below identified documents in effect at the time of Contract execution applies to and forms part of the SOW. All other document references contained elsewhere are to be considered supplemental information only. The Contractor must bring to the attention of the Contracting Authority (CA) all perceived inconsistencies between the SOW and referenced documents.

2.1.2 All documents listed in section 2.3, 2.4 and 2.5 are non-classified documents, do not contain controlled goods and are made available to the public. NATO reference documents can be obtained through the internet from links below.

2.2 ORDER OF PRECEDENCE

2.2.1 In the event of a conflict between the content in this SOW and the referenced documents, the content of this SOW takes precedence.

2.3 NATIONAL DEFENCE REFERENCE DOCUMENTS

2.3.1 The documents below form part of this document to the extent specified herein. Unless specified otherwise, the document version that is in effect on the date of the Solicitation will apply.

- | | | |
|---------|---------------------|---|
| 2.3.1.1 | D-02-002-001/SG-001 | IDENTIFICATION MARKING OF CANADIAN MILITARY PROPERTY |
| 2.3.1.2 | A-LM-505-702/JS-001 | MATERIEL MANAGEMENT INSTRUCTION (MMI 1702) UNIQUE IDENTIFICATION AND STANDARDIZED MARKING OF SERIALLY MANAGED MATERIEL. |
| 2.3.1.3 | D-01-100-214/SF-000 | CANADIAN FORCES SPECIFICATIONS FOR PREPARATION OF PROVISIONING DOCUMENTATION FOR CANADIAN FORCES EQUIPMENT. |
| 2.3.1.4 | C-02-040-002/TS-001 | LASER SAFETY |

2.4 NORTH ATLANTIC TREATY ORGANIZATION (NATO) REFERENCE DOCUMENTS

- 2.4.1 AAP-6 NATO Standardization Agency (NSA) Glossary of Terms and Definitions;
www.acq.osd.mil/dpap/UID/docs/STANAG_2290_Edition_2_11182010.pdf
- 2.4.2 STANAG 4694 NATO Accessory Rail; (Refer to Appendix 2)
- 2.4.3 STANAG 4347 Definition of Nominal Static Range Performance for Thermal Imaging Systems;
http://everyspec.com/NATO/NATO-STANAG/download.php?spec=STANAG_4347.00002278.pdf
- 2.4.4 STANAG 2290 NATO Unique identification of items;
www.acq.osd.mil/dpap/UID/docs/STANAG_2290_Edition_2_11182010.pdf
- 2.4.5 [STANAG 4370 - - References | Engineering360 \(globalspec.com\)](#)
- 2.4.6 STANAG 2495 / AAITP-03 / Annex A Essential Data for NATO asset tracking shipping label;
(Refer to Appendix 1)
- 2.4.7 STANAG 4281 / AAITP-05 NATO standard marking for shipment and storage.
https://infostore.saiglobal.com/en-us/standards/stanag-4281-2016-736080_saig_nato_nato_1787870/

2.5 OTHER DOCUMENTS

- 2.5.1 MIL-STD-810 United States Military Standard Environmental Engineering Considerations and Laboratory Tests. <http://everyspec.com/MIL-STD/MIL-STD-0800-0899/download.php?spec=MIL-STD-810H.055998.pdf>

3 MANDATORY REQUIREMENTS

The Contractor must provide an AEOS kit that meets the following requirements:

3.1 AEOS KIT GENERAL REQUIREMENTS

- 3.1.1 The AEOS kit, must meet all performance requirements in this SOW without incurring physical damage and without degradation of performance of the AEOS during and after exposure to any combination of the meteorological and induced climatic conditions that can be found within the geographic climatic regions identified in this SOW and described in NATO STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2;
- 3.1.2 The AEOS kit, must operate without physical damage and without degradation of performance in all high temperature environments associated with the A3, A2, and A1 (+49°C maximum) climatic regions as described in NATO STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2;
- 3.1.3 The AEOS Kit, must be stored and transported without physical damage and without inducing degradation of performance in all high temperature environments associated with the A3, A2, and A1 (+71°C maximum) climatic regions as described in NATO STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2;
- 3.1.4 The AEOS Kit must operate without physical damage and without degradation of performance in all low temperature environments associated with the C0 and C1 (-32°C minimum) climatic regions as described in NATO STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2;
- 3.1.5 The AEOS kit, must be stored and transported without physical damage and without inducing degradation of performance in all low temperature environments associated with the C0, C1, and C2 climatic regions as described in NATO STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2. For this requirement only, the lower boundary of the Induced Air Conditions within the C2 climatic region will be evaluated at -40oC;
- 3.1.6 The AEOS kit must not be physically damaged and must not be degraded in performance following immersion under-water in all transport and operational configurations to a depth of not less than 1 meter below the water surface for a duration of not less than 5 minutes. The AEOS and its accessories, 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;–
- 3.1.7 The AEOS kit, must operate without physical damage and without degradation of performance in environments with Blowing Dust particulates of composition and concentration as described in NATO STANAG 4370, AECTP 300, Method 313;

- 3.1.8 The AEOS kit must be transported and operate without physical damage and without degradation of performance in all solar radiation conditions associated with the A3, A2, and A1 climatic regions as described in NATO STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2;
- 3.1.9 The AEOS kit must be transported 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 NATO STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2;
- 3.1.10 The AEOS kit, must operate without physical damage and without degradation of performance under conditions of rapid changes in ambient air temperature as encountered during movements between in-door controlled temperature environments to out-door environments that are at either high temperature (+49oC) and low temperature (-32oC) extremes. The AEOS and its accessories, must not require any physical modifications or preparations in advance of encountering any temperature shocks and must be fully operable during and following all temperature shocks;
- 3.1.11 The AEOS kit, must be stored and operated 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;
- 3.1.12 The AEOS kit and its accessories, while in the AEOS Carrying Padded Pouch, must operate without degradation of performance after 10 minutes of vibration induced during combat transportation as loose cargo;
- 3.1.13 The AEOS kit and its accessories, while in the AEOS Carrying Padded Pouch, must operate without degradation of performance after being subjected to a drop from a 0.9 m height onto any face, edge, or corner;
- 3.1.14 The AEOS kit must include a Hard case for storage and transport for the day sight and the thermal imager;
- 3.1.15 The AEOS kit must include a Carrying padded pouch for the day sight and the thermal imager;
- 3.1.16 The AEOS kit must use only 1 type of batteries, either "AA", Li-Ion AA or "CR 123" batteries;
- 3.1.17 The AEOS Kit must have a remote control;

3.2 AEOS GENERAL REQUIREMENTS

- 3.2.1 (removed)
- 3.2.2 The AEOS kit must be physically compatible with a COTS / MOTS inline Night Vision Device (NVD) as not to interfere with any other part of the NVD;
- 3.2.3 The AEOS kit must be functionally compatible with a COTS - MOTS inline Night Vision Device (NVD) as not to interfere with any other part of the NVD;
- 3.2.4 The AEOS controls must be operated and manipulated using one hand;
- 3.2.5 The AEOS must mount on the M3 84mm Carl Gustaf Picatinny or NATO rail (STANAG 4694);
- 3.2.6 The AEOS must have a mass less than or equal to 3700 grams (g) +/- 10g;
- 3.2.7 The AEOS must have a crosshair dot reticle;

- 3.2.8 The AEOS must have a dimmable reticle illumination;
- 3.2.9 The AEOS must incorporate a Class 1 Laser Range Finder;
- 3.2.10 The AEOS must have a ballistic computer with a capability to store ballistic algorithms compatible with General Dynamics Ordnance and Tactical Systems (GDOTS) ammunition, ADM401, HE441, FFV502, FFV545C, FFV551, FFV552 and FFV751 to interdict a standard NATO vehicle target;
- 3.2.11 The AEOS must have a built in test that verifies the operability of the fire control system (FCS);
- 3.2.12 The AEOS must have an updateable ballistic table;
- 3.2.13 The AEOS must engage moving standard NATO vehicle targets;
- 3.2.14 The AEOS must maintain its bore sight after four (4) rounds fired from the M3 84mm Carl Gustaf;
- 3.2.15 The AEOS must be bore sighted by a soldier in the field in less than 5 minutes (min);
- 3.2.16 The AEOS must retain its bore sight after ten (10) actions of removal and seating on the rail of the M3 84mm Carl Gustaf;

3.3 AEOS DAY SIGHT REQUIREMENTS

- 3.3.1 The AEOS day sight must have a field of view of not less than 11 degrees;
- 3.3.2 The AEOS day sight objective lens must have an anti – reflective coating;
- 3.3.3 The AEOS day sight, and mounting hardware must be black in colour;
- 3.3.4 The AEOS day sight and mounting hardware surfaces must have a matte finish;
- 3.3.5 The AEOS day sight must include a removable or permanently installed Demist Shield on the eyepiece;
- 3.3.6 The AEOS must have a battery life indicator;
- 3.3.7 The AEOS day sight must have an eye piece and objective lens, flip-up or tethered, hard cover;
- 3.3.8 The AEOS day sight must detect a Standard NATO Vehicle Target at 3000 meters (m) or greater. The method of NATO STANAG 4347E must be used to calculate the detection, recognition and identification ranges.
- 3.3.9 The AEOS day sight must recognise a Standard NATO Vehicle Target at 1500 m or greater. The method of NATO STANAG 4347E must be used to calculate the detection, recognition and identification ranges.
- 3.3.10 The AEOS day sight must identify a Standard NATO Vehicle Target at 750 m or greater. The method of NATO STANAG 4347E must be used to calculate the detection, recognition and identification ranges.

3.4 AEOS THERMAL IMAGER REQUIREMENTS

- 3.4.1 The AEOS Thermal Imager must maintain bore sight alignment with the AEOS day sight and must not deviate the point of aim from the AEOS Day Sight.
- 3.4.2 The AEOS Thermal Imager, and mounting hardware must be black in colour;
- 3.4.3 The AEOS Thermal Imager, and mounting hardware surfaces must have a matte finish;
- 3.4.4 The AEOS Thermal Imager must not interfere with the settings or operation of the AEOS day sight when mounted;
- 3.4.5 The AEOS Thermal Imager must not require any tools to install or uninstall on the AEOS day sight or the Picatinny rail / NATO rail;
- 3.4.6 The AEOS Thermal Imager must be installable on the AEOS day sight or the Picatinny / NATO rail in less than 15 seconds;
- 3.4.7 The AEOS Thermal Imager must be removable from the AEOS day sight or the Picatinny / NATO rail in less than 15 seconds;
- 3.4.8 The AEOS Thermal Imager must power up and be ready for use in less than 15 seconds;
- 3.4.9 The AEOS Thermal Imager must operate continuously for 2 hours at -20 degree Celsius without changing batteries;
- 3.4.10 The AEOS Thermal Imager must detect a Standard NATO Vehicle Target at 3000 m or greater at night. The method of NATO STANAG 4347E must be used to calculate the detection, recognition and identification ranges.
- 3.4.11 The AEOS Thermal Imager must recognise Standard NATO Vehicle Target at 1000 m or greater at night. The method of NATO STANAG 4347E must be used to calculate the detection, recognition and identification ranges.
- 3.4.12 The AEOS Thermal Imager must identify a Standard NATO Vehicle Target at 600 m or greater at night. The method of NATO STANAG 4347E must be used to calculate the detection, recognition and identification ranges.

4 DELIVERABLES

4.1 GENERAL DELIVERABLE REQUIREMENTS

- 4.1.1 Each Contract Deliverable must be clearly identified with the text “Deliverable” followed by a space, followed by the Production deliverable’s reference code i.e. (Part number) / (NSN).
- 4.1.2 Documents of the same type (Certificates of Compliance, Inspection Reports, and Shipping Reports) that are issued by the OEM must be consolidated into a single document to accompany the deliverables and sent to the TA.
- 4.1.3 All documents requested from the Contractor in association with the Contract Deliverables must be provided in English and French.
- 4.1.4 Summary of deliverable

Item	Deliverable	Quantity	Reference
1	CERTIFICATES OF COMPLIANCE	30	4.2
2	AEOS Kit	30	4.3
	AEOS day sight for the 84mm Carl Gustaf	1 in each kit	
	AEOS Thermal Imager (TI)	1 in each kit	
	Hard case for storage and transport;	1 in each kit	
	Carrying Padded Pouch for AEOS	1 in each kit	
	Soft protective cover for AEOS	1 in each kit	
	Remote control	1 in each kit	
	Mounting hardware	1 in each kit	
	PUBLICATIONS (hard copy)	1 in each kit	4.7
3	PROVISIONING PARTS BREAKDOWN	1	4.6
4	SPARE PARTS LIST	1	4.6
5	PUBLICATIONS (to TA)	1	4.7
6	TRAINING MATERIALS	1	4.8

4.2 CERTIFICATES OF COMPLIANCE

- 4.2.1 A Certificate of Compliance is a written statement guaranteeing that certain objects (products, services, processes, personnel, organizations) comply with specified criteria.
- 4.2.2 Each Certificate of Compliance must clearly include:
- 4.2.2.1 A statement to the effect that the specified object(s) comply with the specified criteria;
 - 4.2.2.2 The name and contact information of the designated representative of the entity that issued the Certificate;
 - 4.2.2.3 The issue date of the Certificate of Compliance (effective start date);
 - 4.2.2.4 Descriptive nomenclature for each type of object being certified. When certifying product lots, the descriptive nomenclature must also include the supplier name and lot number; and
 - 4.2.2.5 The criteria that the objects are certified to comply with.
- 4.2.3 The Contractor must produce a separate Certificate of Conformity (CoC) for each AEOS Kit. Each CoC must indicate that the AEOS meets all requirements of this SOW. The contractor must send a PDF copy of each CoC to the TA **within 5 days after the delivery** of the AEOS.

4.3 PRODUCTION DELIVERABLES

- 4.3.1 The AEOS Kit and following sub-components must conform to all requirements as specified in this SOW. All components of the AEOS kit must be shipped within the Hard Case for storage and transport.
- 4.3.1.1 Qty 1 AEOS day sight for the 84mm Carl Gustaf;
 - 4.3.1.2 Qty 1 AEOS Thermal Imager (TI);
 - 4.3.1.3 Qty 1 Hard case for storage and transport;
 - 4.3.1.4 Qty 1 Carrying Padded Pouch for AEOS;
 - 4.3.1.5 Qty 1 Soft protective cover for AEOS;
 - 4.3.1.6 Qty 1 Remote control; and
 - 4.3.1.7 Qty 1 Mounting hardware to mount on the M3 84mm Carl Gustaf;
 - 4.3.1.8 Qty 1 Publications hardcopy for Operators manual and warranty letter
- 4.3.2 Within 30 days after shipping each package, the Contractor **must** provide Shipping Reports to the TA that describe when the items were shipped to the depot.

4.4 ITEM IDENTIFICATION MARKING AND LABELLING OF AEOS KIT

- 4.4.1 As it is subject to serial management, the AEOS Kit comprising of the below items **must** have a Unique Item Identifiers or Recognized UII-Equivalents marked on the item in accordance with STANAG 2290 and with reference to Annex A, section 5 of A-LM-505-702/JS-001.



- 4.4.2 As it is subject to serial management, the AEOS Thermal Imager must have a Unique Item Identifiers or Recognized UII-Equivalents marked on the item in accordance with STANAG 2290 and with reference to Annex A, section 5 of A-LM-505-702/JS-001.



4.4.3 Non-serialised items, to include hard case, carrying padded pouch, soft protective cover, remote control and mounting hardware, must have identification plates or label in accordance with D-02-002-001/SG-001.

NSN: XXXX-XX-XXX-XXXX
CARRYING PADDED POUCH
PART NO: XXXXXXXXXXXXX
NCAGE: XXXXX
CONTRACT NO: W8476-216388

NSN: XXXX-XX-XXX-XXXX
HARD CASE
PART NO: XXXXXXXXXXXXX
NCAGE: XXXXX
CONTRACT NO: W8476-216388

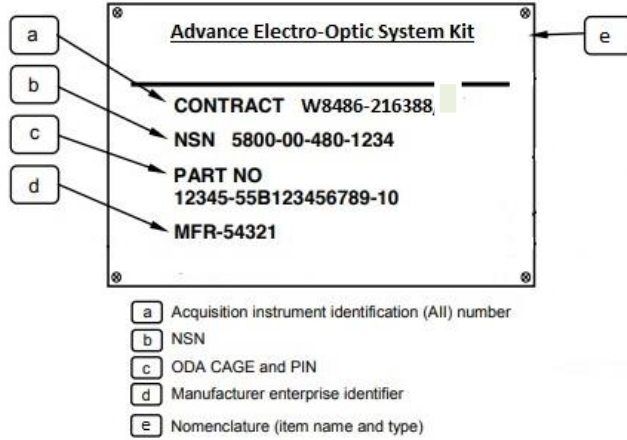
NSN: XXXX-XX-XXX-XXXX
REMOTE CONTROL
PART NO: XXXXXXXXXXXXX
NCAGE: XXXXX
CONTRACT NO: W8476-216388

NSN: XXXX-XX-XXX-XXXX
MOUNTING HARDWARE
PART NO: XXXXXXXXXXXXX
NCAGE: XXXXX
CONTRACT NO: W8476-216388

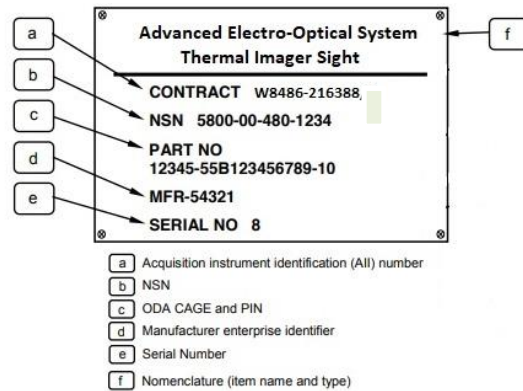
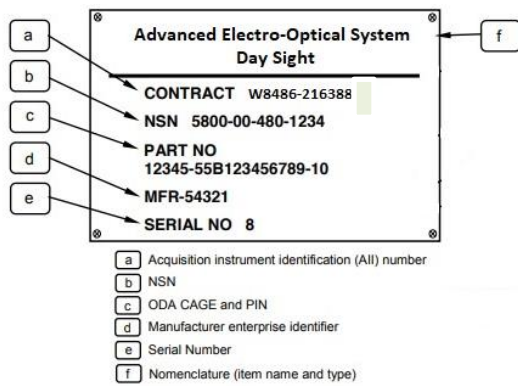
NSN: XXXX-XX-XXX-XXXX
SOFT PROTECTIVE COVER
PART NO: XXXXXXXXXXXXX
NCAGE: XXXXX
CONTRACT NO: W8476-216388

Examples:

4.4.4 The hard case must have an identification plates / label identifying the contents of the case.

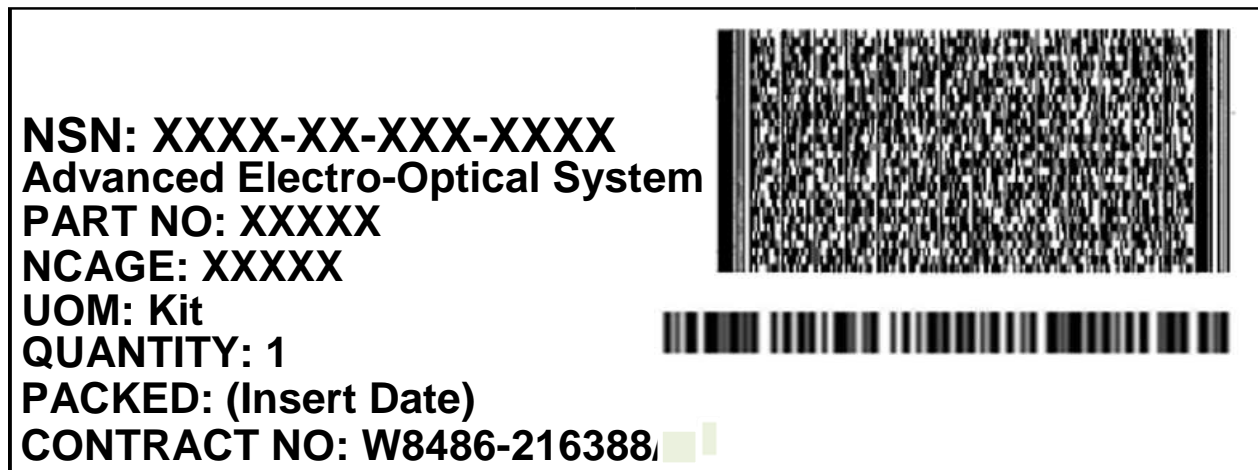


4.4.5 The carrying padded pouch must have an identification plates / label identifying the contents of the pouch.



4.5 PACKAGE LABELLING

- 4.5.1 The Contractor **must** ensure that any items that are delivered in unit-level and bulk level packaging for which said packaging obstructs access to the item UII Marks have UII package labels that:
- 4.5.1.1 Have been applied on the outside of the package with UII information in a machine readable PDF417 bar code symbol which contains the UII (unit level) and UIIs (bulk level) contained within said package, as applicable
 - 4.5.1.2 Utilize a PDF417 packaging symbol is in conformance with STANAG 4281 / AAITP-05; and
 - 4.5.1.3 Utilize syntax and semantics in conformance with STANAG 2495 / AAITP-03;
- 4.5.2 The PDF417 label containing the UII data must be either part of the other required packaging labels set out in this Statement of Work, or affixed as a separate label adjacent to the other required packaging labels.
- 4.5.3 The Contractor must place the following data inside of the PDF417 mark:
- 4.5.3.1 Serialised items must have the Unique Item Identifier, NCAGE, Part number, serial number and NATO Stock Number (without dashes); and
 - 4.5.3.2 Non Serialised items must have the global trade identification number (GTIN) or equivalent e.g. (UPC), NCAGE, Part Number, batch (if applicable), NATO Stock Number (without dashes) and quantity.
- 4.5.4 The label bar coding must be either Code 39 or GSI-128 (UCC/EAN-128). The identification label format is as per the below:



4.6 PROVISIONING PARTS BREAKDOWN AND SPARE PARTS LIST

- 4.6.1 The Contractor must provide to the Technical Authority a Provisioning Parts Breakdown (PPB) prepared in accordance with the current issue of Canadian Forces Specification D-01-100-214/SF-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.
- 4.6.2 The Contractor must, within 90 days after contract award, provide to the Technical 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.
- 4.6.3 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 to the Technical Authority in electronic format.

4.7 INTEGRATED LOGISTIC SUPPORT (ILS)

- 4.7.1 The Contractor must provide and clearly label all technical publications required for description, operation, installation, maintenance and repair of the deliverable end items as follows:
- 4.7.2 OPERATOR'S MANUALS
- 4.7.2.1 a) Operator's manuals **must** be provided in both official languages (French and English).
 - 4.7.2.2 b) The operator's manuals **must** include instructions for the operation of the AEOS.
 - 4.7.2.3 c) The operator's manuals **must** include daily operator maintenance instructions/checks.

4.7.3 MAINTENANCE MANUALS

- 4.7.3.1 a) The maintenance manual **must** be provided in English and French.
- 4.7.3.2 b) The maintenance manual **must** include a troubleshooting guide; showing the steps and tests required to determine the exact cause of a problem and an explanation of what steps would be required to correct a problem.
- 4.7.3.3 c) The maintenance manual **must** include a listing of the necessary settings.
- 4.7.3.4 d) The maintenance manual **must** include information on the order of disassembly and assembly of the systems and components.

4.7.4 MANUAL DELIVERY TO TECHNICAL AUTHORITY

- 4.7.4.1 a) Sample ILS documents **must** be submitted to the Technical Authority prior to the delivery of the equipment for each configuration/model and their accessories, for approval. Sample ILS documents will not be returned.
- 4.7.4.2 b) Technical Authority approval, request for additional documentation or request for amendments will be supplied within 30 working days of receipt.
- 4.7.4.3 c) The Contractor **must** supply the additional documentation or implement the changes as requested by the Technical Authority.

4.7.5 MANUAL DELIVERY WITH EQUIPMENT

- 4.7.5.1 One (1) Operator manual in each of the official languages **must** be provided with each AEOS shipped.
- 4.7.5.2 One (1) set of Maintenance manual and one Parts manual **must** be shipped to the TA.
- 4.7.5.3 Manuals **must** be delivered in electronic and paper format.

4.7.6 DIGITAL DOCUMENTS

- 4.7.6.1 All digital copies **must** be supplied in searchable PDF format unless stated otherwise.
- 4.7.6.2 Digital copies **must** be functional without the requirement for a password, an auto-run installation procedure or an Internet connection.
- 4.7.6.3 Digital copies of manuals **must** be supplied to the TA on a CD or DVD (USB sticks cannot be used on DND computers).
- 4.7.6.4 CD/DVD **must** be permanently and legibly marked with the equipment description and a list of contents.

4.7.7 PAPER DOCUMENTS. ALL PAPER COPIES OF ILS DOCUMENTS DELIVERED MUST HAVE THE SAME CONTENT AS THE DIGITAL COPY APPROVED BY THE TECHNICAL AUTHORITY.

4.7.8 **Warranty Letter**

- 4.7.8.1 The Warranty Letter in English & French PDF format **must**:
- 4.7.8.2 Contain a complete description of the warranty with the warranty terms and conditions;
- 4.7.8.3 Contain the complete warranty details on any system or sub system warranty; and
- 4.7.8.4 Contain the name and contact information of the closest designated warranty provider and other designated warranty providers.

4.7.9 ILS DELIVERABLES.

4.7.9.1 The following table indicates the ILS elements that the Contractor must deliver, including the medium (paper or digital), the expected means of delivery and the reference paragraph.

Element	Format/ Medium	Delivered to TA by E-mail for approval	Delivered to TA by mail/courier for approval	Supplied with each AEOS Kit	Remarks	Reference Paragraph
Set of Manuals (Electronic / hard copy)	Digital	-	X	X	PDF - on CD/DVD*	4.1
	Paper	-	-	X	-	
Warranty Letter	Digital	X	-	-	PDF	4.2
	Paper	-	-	X	-	
Data Summary	Digital	X	-	-	Microsoft Word	4.4.2
Safety Data Sheets Package	Digital	X	-	-	PDF	4.4.3
	Paper	-	-	X	-	
Initial Parts Kit List	Digital	X	-	-	PDF	4.4.5
Initial Parts Kit	-	-	-	X	1 kit	4.6

TABLE 2.0 ILS Deliverables

4.7.10 ILS ELEMENTS DESCRIPTION

4.7.10.1 Preventive Maintenance Replacement Parts Kit Lists (PMRPKL) – The contractor must provide a list detailing the parts that are required to perform preventive maintenance to the system for a period of 12 months, and include:

4.7.10.1.1 Item name;

4.7.10.1.2 Contractor's part number

4.7.10.1.3 Manufacturer's part number;

4.7.10.1.4 Manufacturer's NATO Supply code (NCAGE) or name and address;

4.7.10.1.5 NSN (NATO Stock Number) (if known);

4.7.10.1.6 Quantity per equipment;

4.7.10.1.7 Quantity recommended;

4.7.10.1.8 Unit price; and

4.7.10.1.9 Unit of issue.

4.7.10.2 Recommended Spare Parts Lists - The contractor must provide a list detailing the spare parts deemed necessary to do operation level maintenance on the equipment for a period of 12 months exclusive of any warranty period and include:

4.7.10.2.1 Part description;

4.7.10.2.2 Original Equipment Manufacturer;

4.7.10.2.3 Original Equipment Manufacturer Part Number;

4.7.10.2.4 Suggested quantity; and

4.7.10.2.5 Unit cost.

4.8 SAFETY RECALLS AND SERVICING DATA

4.8.1 Safety Recalls and manufacturer's technical service bulletin's, or equivalent must be provided to the Technical Authority and the final delivery locations on a continuing basis, throughout the life expectancy of the equipment or for no less than 10 years.

4.9 TRAINING MATERIALS

- 4.9.1 The Contractor must prepare and submit training packages comprising of charts/diagrams of the system, its method of operation and its components, proposed user training objectives and lesson guides.
- 4.9.2 The Contractor must prepare and deliver the training materials to the Technical Authority (via email) for review and acceptance 30 days from the AEOS Kit delivery date.
- 4.9.3 The Contractor must provide the English and French language training materials in Microsoft applications and PDF searchable format with no password.

APPENDIX 1

AAITP-03 Edition B – April 2017

ANNEX A ESSENTIAL DATA FOR NATO ASSET TRACKING SHIPPING LABEL

A.1. Identifying Shipments

As noted above each individual transport package must have a unique tracking identifier (UTI) marked on the package label. This UTI is normally an SSCC. A transport package can be a single piece shipment. Transport packages can also be part of a multi-package shipment or a separated multi-package shipment. There are different ways to identify these shipment types and the data associations required of each. The following clauses detail the options for identifying these shipments and how to construct the various standardized unique tracking identifiers that may be used.

A.1.1. SINGLE PACKAGE SHIPMENT

AAP-51 defines the single piece shipment as follows:

A single package shipment involves a one-to-one relationship between one transport package and a shipment – though the single transport package could be a consolidated transport package and therefore contain nested transport packages within it. In practical terms this is the de facto shipment default: the two most commonly used transport package identifiers amongst NATO and NATO nations are the SSCC and the TCN, each of which may also act as a shipment identifier. This situation is illustrated in Figure 2-1.

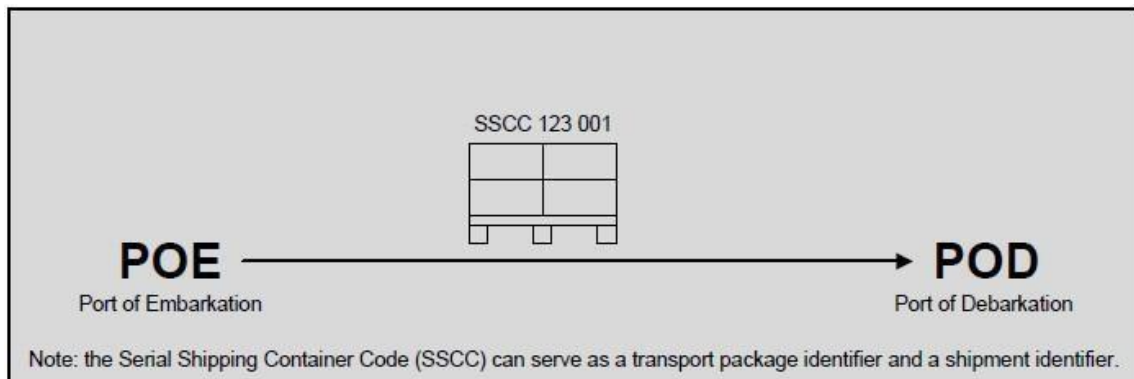


Figure 2-1: Single Package Shipment

In this use case the transport package and the shipment are one and the same and the UTI (SSCC or TCN) serves as both the identifier of the transport package and the shipment. Rules for construction an SSCC are in clause A3.1

A.1.2. Multi Package Shipment

AAP-51 defines the multi-package shipment as follows:

A multi-package shipment involves two or more transport packages associated with the same shipment identifier, dispatch advice or bill of lading. The packages may contain assets associated with a single issue requirement between a consignor and a consignee, but that does not have to be the case. As long as all assets are being shipped to the same consignee they may be categorized as a multi-package shipment and identified accordingly. The GS1 SSCC makes allowance for this possibility but only shows visually on the shipping label that, for example, a shipment contains three transport packages and that the one to hand is transport package number two of three. The TCN permits data concerning the package numbers to be encoded in its associated symbology, which is recorded on the shipping label. To overcome the difficulty with the GS1 SSCC, nations should use the GS1 Global Shipment Identification Number (GSIN) in conjunction with the SSCC. Details concerning the use of the GSIN can be found in Reference A 6 , Edition B version 1, page 22, para 2.2. The effect of using a GSIN in connection with a multi-package shipment is shown in Figure 2.2. The benefit is that even when the shipment is split and the pallets are transported by different means, the shipment remains logically intact through the use of the GSIN.

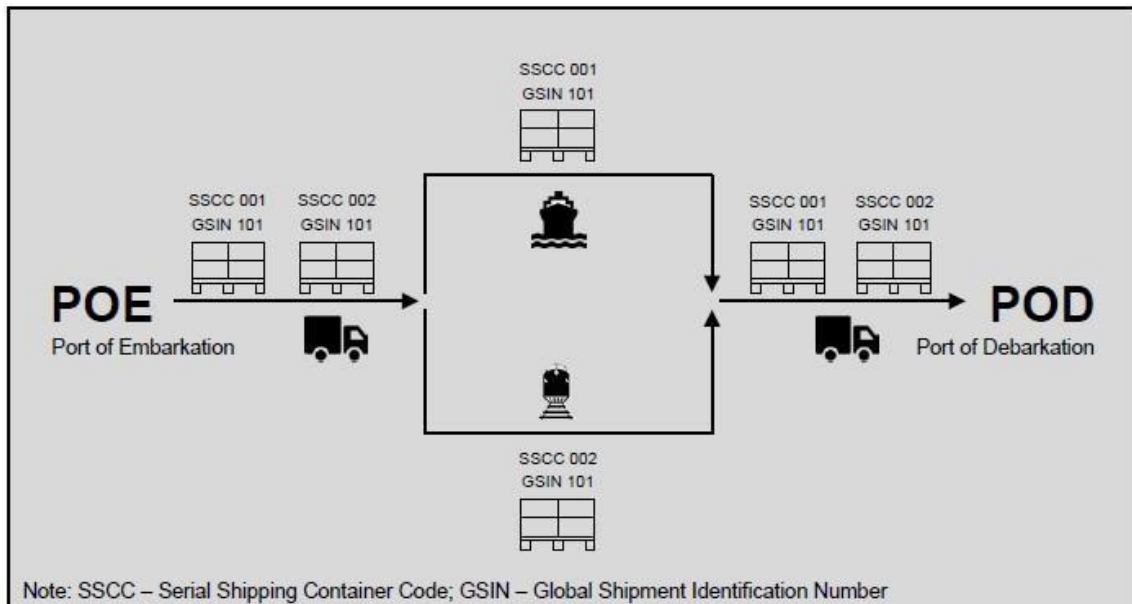


Figure 2-2: Multi-Package Shipment

The use of the GSIN now allows the individual transport packages to be associated with each other. Each of the transport packages carries its own SSCC and they carry the same GSIN or Global Shipment Identification Number.

Rules for construction of the GSIN are in clause A3.2.

A.1.3. Association of Separated Multi-Package Multi-Shipments AAP-51 defines separated multi-package multi-shipments as follows:

A separated multi-package shipment is similar to the multi-package shipment in that both involve two or more transport packages associated with the same shipment identifier. The key differentiator is that a separated multi-package shipment is dispatched from different locations or from the same location but at different times or even a combination of the two. Also, because of the disjunction of time and place between the dispatch of the transport packages, a single bill of lading does not apply and a dispatch advice would not be sent until the last transport package had departed its POE. Once again, the TCN is able to cope with this situation but the SSCC cannot. For nations following GS1, this obstacle should be overcome by using the GS1 Global Document Type Identifier (GDTI) in conjunction with the SSCC. A GDTI and a GSIN must

not be used to identify the same shipment. Figure 2-3 shows how the GDTI can be applied to a separated multi-package shipment.

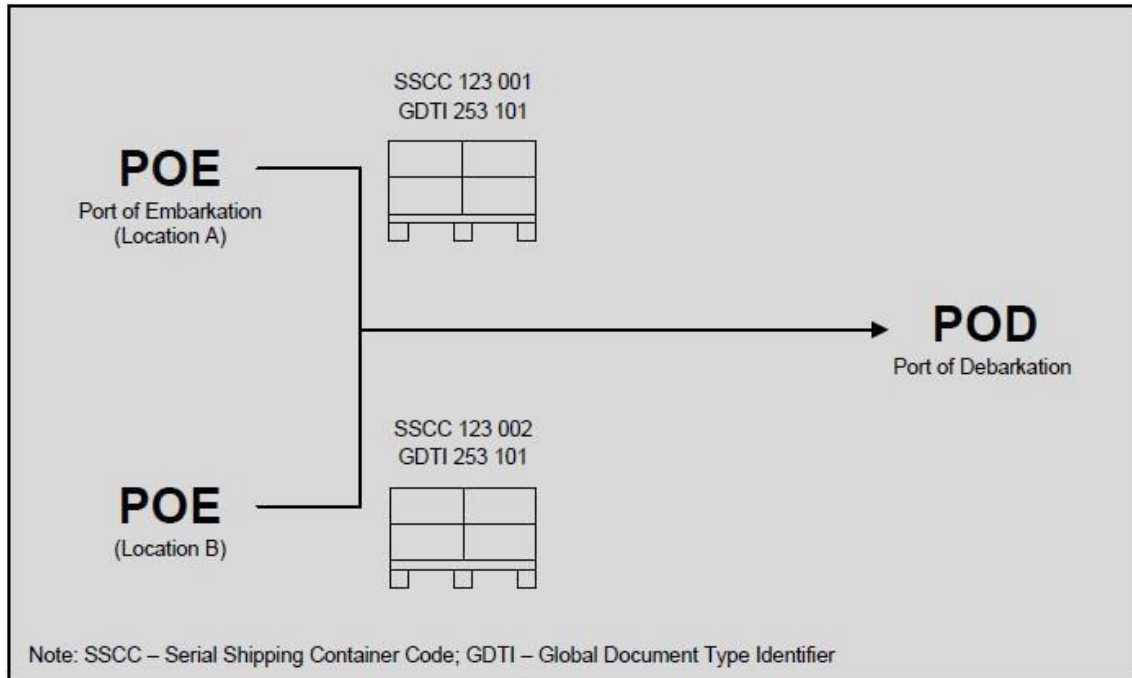


Figure 2-3: Separated Multi-Piece Shipment

The restriction on using both a GSIN and a GDTI on the same shipment is a practical one of space on the shipping label for additional linear symbols. When using the PDF417 symbology on the full optional label as described in STANAG 2494, there is sufficient space for both a GSIN and a GDTI and use of both numbers is permitted.

Note that the GS1 Global Document Tracking Identifier does not identify a shipment or a consignment. Rather it identifies a (virtual or physical) document that contains the identities of all the shipments that are associated with this list identified by the GDTI.

The GDTI identifies a document that acts in a manner similar to that of a Bill of Material where the aggregated material is related to a functional capability. For example, the component pieces of a field hospital could all be identified by a GDTI. Putting a GDTI number on a particular shipment allows the system to monitor the movement of each of these separated shipments and accordingly the receipt of the entire functional capability.

Rules for construction of a GDTI are in clause A3.3

A.1.4. Consignment Identification and Association of Shipments In-transit

Figure 2-4 explains how NATO defines the distinction between a shipment and a consignment. This distinction is pivotal in knowing the appropriate UTI for each situation. The tracking number used by the carrier may not be known when the original shipment is configured and the shipping label is printed. Also in-transit reconfigurations become necessary during changes in transport mode. To accurately track and trace a shipment that has been consigned to a carrier (now a consignment) NATO uses the Global Identification Number for Consignment or GINC.

AAP-51 describes the GINC as follows:

The GINC applies to the configuration of transport packages decided by the freight forwarder and is associated with the shipment identifiers encompassed by the consignment – that shipment identifier, as

already seen, might be an SSCC, a G SIN or a GDTI. Alternatively, especially where an external commercial organization is concerned, a house waybill number may be provided in lieu of the GINC. Figure 2-4 shows how a consignment identifier can be employed in conjunction with shipment and transport package identifiers.

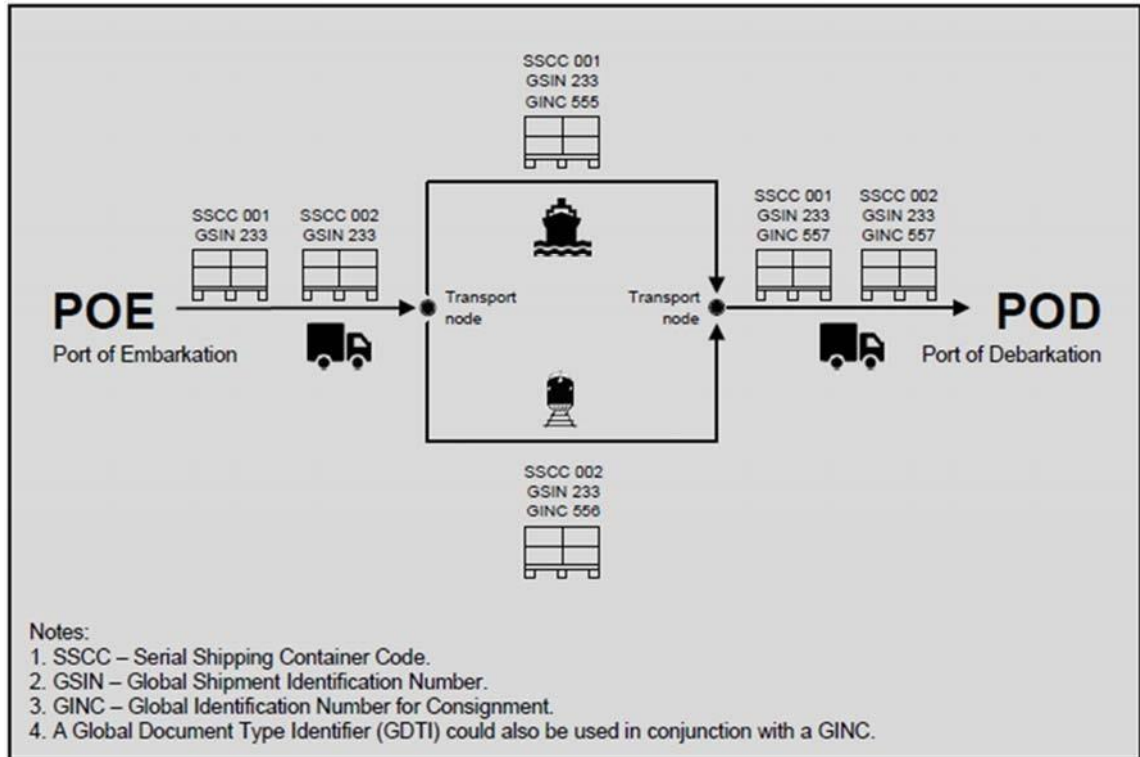


Figure 2-4: Consignment Identification and Association

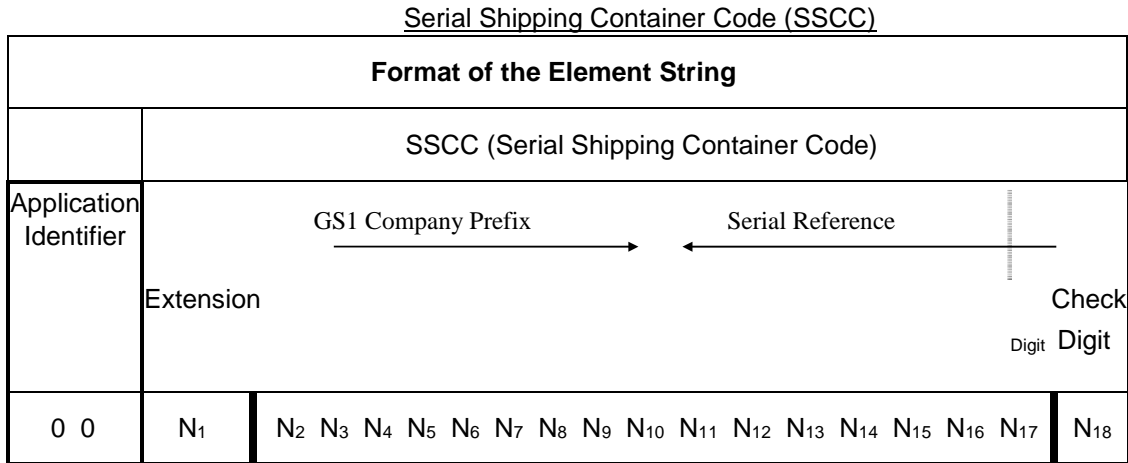
Rules for construction the GINC are in clause A3.4

A.2. Rules for Construction of the Unique tracking Identifiers.

The unique tracking identifiers used by NATO are the SSCC, GSIN, GDTI and the GINC.

A.2.1. Construction of the SSCC

The SSCC license plate number itself must only consist of 18 numeric characters. This includes the Extension Digit and Check Digit. In addition, the symbol always displays the (00) Application Identifier (AI).



For example:

00	0	5012345	123456789	3
----	---	---------	-----------	---

Would produce the SSCC: (00) 050123451234567893

- a. The AI is always (00) for an SSCC and it defines the data structure and the (00) always precedes the SSCC, but is not part of the SSCC.
- b. The Extension Digit allows users to create more SSCC's.
- c. The Prefix is a number allocated to a GS1 system user by a Member Organization. While it is the component that makes an SSCC unique worldwide it may not have any significance with respect to country of origin. The Prefix is a numeric string variable in length between 6 and 9 digits.
- d. The serial number is allocated by the user/issuer making up the unit. It is between six and nine digits long. This number must not be repeated before twelve months have elapsed.
- e. The Check Digit is calculated in accordance with GS1 General Specifications. This calculation does not include the AI.
- f. The number of digits in the Prefix and Serial together must add up to exactly 16 digits. With the addition of the Extension and Check Digits this comprises the 18digit SSCC number.

The barcode symbology used for data capture of the unique tracking identifier is GS1128, see AAP-44 NATO Standard Bar Code Handbook. For the application of the SSCC on shipping labels see AAITP-02. A GS-128 symbology can be differentiated from a code 128 symbology by the existence of a leading function code 1 (FNC-1).

A.2.2. Construction of the Global Shipment Identification Number (GSIN)

The GSIN number itself must only consist of 17 numeric digits including the check digit. The GSIN is assigned by the consignor of goods. It provides a unique number that identifies a logical grouping of logistic units for the purpose of a transport shipment from that consignor to the consignee. It identifies the logical grouping of one or several transport units each identified with a separate SSCC and containing assets that travel under one dispatch advice and/or Bill of Lading. The GSIN fulfils the requirements of the UCR (Unique Consignment Reference) of the World Customs Organization (WCO).

- a. The AI is always (402) for a GSIN and it defines the data structure and the (402) always precedes the GSIN, but is not part of the GSIN.
- b. The Prefix is a number allocated to a GS1 system user by a Member Organization. While it is the component that makes a GSIN unique it may not have any significance with respect to country of origin. The Prefix is a numeric string variable in length between 6 and 9 digits.
- c. The shipper reference is allocated by the user/issuer making up the unit. It is between six and nine digits long. The structure and content of the shipper reference is at the discretion of owner of the GS1 Company Prefix to uniquely identify each shipment. It should be sequentially allocated. This number must not be repeated before twelve months have elapsed.
- d. The Check Digit is calculated in accordance with GS1 General Specifications. This calculation does not include the AI.
- e. The number of digits in the Prefix and Serial together must add up to exactly 16 digits. With the addition of the Check Digit this comprises the 17-digit GSIN number...

Format of the Element String		
Application Identifier	Global Shipment Identification Number (GSIN)	
	GS1 Company Prefix	Shipper Reference
4 0 2	N1 N2 N3 N4 N5 N6 N7 N8 N9 N10 N11 N12 N13 N14 N15 N16	N17

A.2.3. CONSTRUCTION OF THE GLOBAL DOCUMENT TRACKING IDENTIFIER (GDTI)

The Application Identifier (253) indicates that the GS1 Application Identifier data field contains the Global Document Type Identifier (GDTI). The GDTI used to identify a document type with an optional serial number.

The GS1 Company Prefix is allocated by GS1 Member Organizations to the company that allocates the GDTI – here the document issuer. It makes the number unique worldwide.

The structure and content of the Document Type is generally at the discretion of owner of the GS1 Company Prefix to uniquely identify each type of document. Meanwhile, some constraints are issued in the framework of NATO asset tracking.

The optional serial component is assigned to a single document for its lifetime. When combined into a GDTI, it uniquely identifies an individual document. The Serial Component field is alpha-numeric and may contain up to 17 characters. The issuer of the document determines the serial component.

Format of the Element String

Global Document Type Identifier (GDTI)				
Application Identifier	GS1 Company Prefix →	← Document Type	Check Digit	Serial component (Optional)
253	N1 N2 N3 N4 N5 N6 N7 N8 N9 N10 N11 N12		N ₁₃	X1 to (variable) X17

- N1 to Nx is the company prefix of the shipping nation where Nx is the last digit of the Company prefix.
- The characters between Nx and N12 are optionally used for the number of shipments that are being related by the GDTI. Unused characters will be zero filled.
- N12 will always be a "1" when GDTI is used to relate shipments (this use case) and N13 is the check digit.
- The component will consist of the SSCC of the parent GDTI, where the application identifier and company prefix has been removed.

Examples of Global Document Type Identifier (GDTI)

Example 1 in NATO context

Two related shipments which are identified in the field between Nx and N12
 AI= 253; Company prefix = 123654
 The SSCC assigned to the GDTI is (00)312365400000009870

Format of the Element String				
Global Document Type Identifier (GDTI)				
Application Identifier	GS1 Company Prefix →	← Serial Number	Check Digit	Serial component (Optional)
253	N1 N2 N3 N4 N5 N6 N7 N8 N9 N10 N11 N12		N ₁₃	X1 to (variable) X17

For example:

253	123654	000021	2	3000009870
-----	--------	--------	---	------------

Would produce the GDTI: (253)123654000021030000009870

Example 2 in NATO context

Two related shipments the number of which is not specified in the field between Nx and N12.
 AI=253; Company prefix = 123654
 The SSCC assigned to the GDTI is (00)21236540000009989

Format of the Element String					
Application Identifier	Global Document Type Identifier (GDTI)				
	GS1 Company Prefix		Serial Number	Check Digit	Serial component (Optional)
253	N1	N2 N3 N4 N5	N6 N7 N8 N9 N10 N11 N12	N ₁₃	X1 to (variable) X17

For example:

253	123654	000001	2	20000009989
-----	--------	--------	---	-------------

Would produce the GDTI: (253)12365400000122000009989

A.2.4. Construction of the Global Identification Number for Consignment (GINC)

The Application Identifier (401) indicates that the GS1 Application Identifier data field contains a Global Identification Number for Consignment (GINC). This number identifies a logical grouping of goods (one or more physical entities) that has been consigned to a freight forwarder and is intended to be transported as a whole. The consignment number must be allocated by a freight forwarder (or a carrier acting as a freight forwarder) or a consignor, but only if prior agreement of the freight forwarder is given. Typically AI (401) encodes a House Way Bill (HWB) Number.

According the Multi Industry Scenario for Transport (MIST), a freight forwarder is a party that arranges the carriage of goods, including connected services and/or associated formalities, on behalf of a shipper or consignee. A carrier is a party that undertakes the transportation of goods from one point to another. A consignor is the party that sends the goods. A consignee is the party that receives the goods.

The GS1 Company Prefix is allocated by GS1 Member Organizations to the company that allocates the GINC – here the carrier. It makes the number unique worldwide.

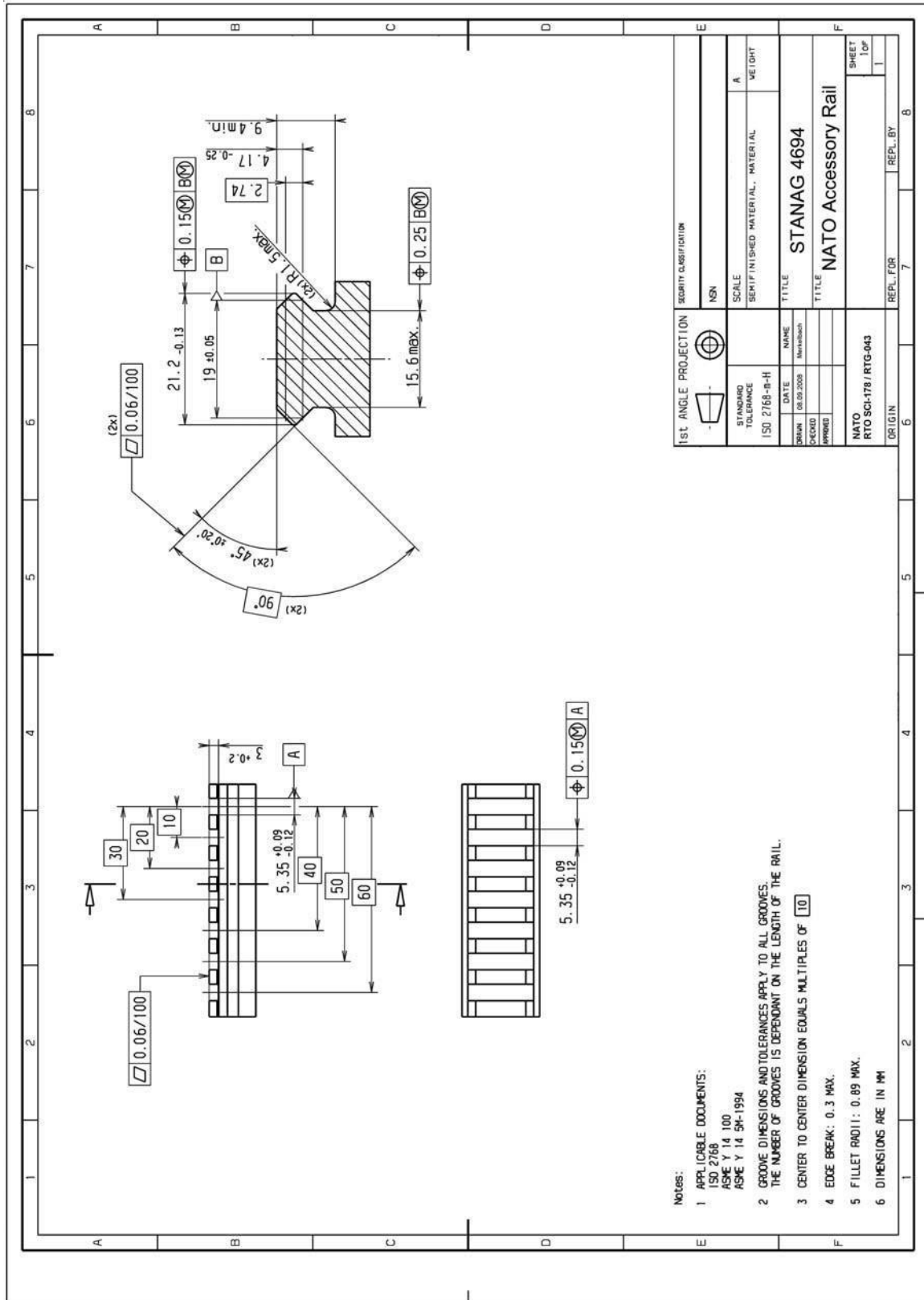
The structure and content of the consignment reference is at the discretion of owner of the GS1 Company Prefix to uniquely identify each consignment. It may contain all characters contained in the next table.

Format of the Element String

Application Identifier	Global Identification Number for Consignment (GINC)	
	GS1 Company Prefix	Consignment Reference
4 0 1	N ₁ ... N _i	X _{i+1} ... variable length X _{j (j<=30)}

APPENDIX 2

NATO/PFP UNCLASSIFIED



1st ANGLE PROJECTION	SECURITY CLASSIFICATION
NSN	
SCALE	A
SEMI-FINISHED MATERIAL, MATERIAL	WEIGHT
STANDARD TOLERANCE	
ISO 2768-H	
DATE	TITLE
08.09.2020	STANAG 4694
NAME	
Checked	
Approved	
NATO RTG SCH-178 / RTG-043	NATO Accessory Rail
ORIGIN	REPL. FOR
6	7
	REPL. BY
	1
	SHEET 1 OF 1

- NOTES:
- 1 APPLICABLE DOCUMENTS:
 ISO 2768
 ASME Y 14.100
 ASME Y 14.5M-1994
 - 2 GROOVE DIMENSIONS AND TOLERANCES APPLY TO ALL GROOVES.
 THE NUMBER OF GROOVES IS DEPENDANT ON THE LENGTH OF THE RAIL.
 - 3 CENTER TO CENTER DIMENSION EQUALS MULTIPLES OF 10
 - 4 EDGE BREAK: 0.3 MAX.
 - 5 FILLET RADIUS: 0.89 MAX.
 - 6 DIMENSIONS ARE IN MM

Recommended method to attach accessories to the NATO Accessory Rail

It is recommended that accessories (for example sight mounts) are in contact with the rail on **three sides only**. These are the top surface of the rail, and the lower angled two surfaces as shown below.



ANNEX C



BIDDERS INSTRUCTIONS AND TECHNICAL EVALUATION PLAN
FOR THE
ADVANCED ELECTRO – OPTICAL SYSTEM FOR THE 84MM CARL GUSTAF

Date: 2022-05-12

NOTICE:

This document has been reviewed by the technical authority and does not contain controlled goods. Disclosure notices and handling instructions originally received with the document must continue to apply.



AVIS:

Ce document a été révisé par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis de divulgation et les instructions de manutention reçus à l'origine avec le document continuent de s'appliquer.

CONTENTS

CONTENTS 2

1.0 Scope 3

 1.1 Introduction 3

 1.2 General Form of Proposals 3

 1.3 Acronyms 3

 1.4 Definitions 4

2.0 Applicable Documents 5

 2.1 Applicability 5

 2.2 North Atlantic Treaty Organization (NATO) Documents 5

3.0 Technical Bid Evaluation 5

 3.1 Bid Process 5

 3.2 Technical documentation evaluation 5

 3.3 Responding to Evaluation Criteria 6

 3.4 Compliance Method 6

4.0 Technical Bid Evaluation Matrix 6

 4.1 General 6

 4.2 Column 1 & 2 “Reference & Requirements Statement” 6

 4.3 Column 3 “Instruction to Bidders” 7

 4.4 Column 4 “Evaluation Criteria” 7

 4.5 Column 5 “Mandatory Requirement” 7

 4.6 Column 6 “Bidder’s Self-Assessment” 7

 4.7 Column 7 “Evidence Location in Bid” 7

 4.8 Column 8 “Bidder’s Statement and/or Comments” 7

 4.9 General 7

5.0 Appendixes 8

Appendix 1: Technical Bid Evaluation Matrix 8

1.0 **Scope**

1.1 **Introduction**

- 1.1.1 This document outlines a plan for a technical bid evaluation process for the Advanced Electro – Optical System Kit (AEOS Kit) bid submissions and written proposals in support of bid evaluation. It identifies the technical criteria to be evaluated.

1.2 **General Form of Proposals**

- 1.2.1 Proposals **must** address in clearly organized, printed (i.e., not handwritten) narrative form all subjects identified in this technical bid evaluation plan. Responses consisting of simple statements of compliance without clear and full supporting detail could prevent proper assessment and result in proposal being rejected from further consideration.

1.3 **Acronyms**

AEOS	Advance Electro-Optical System Kit
CS	Compliance Statement
DE	Description with Evidence
DND	Department of National Defence
GSM	Government Supplied Material
MOA	Minute of Angle
NATO	North Atlantic Treaty Organization
OEM	Original Equipment Manufacturer
RFP	Request for Proposal
SOW	Statement of Work
STANAG	Standardization Agreement
TA	Technical Authority
TI	Thermal Imager
TR	Test Report

1.4 Definitions

- 1.4.1 “Minute of Angle (MOA)” is as an angular measurement defined as 1/60th of a degree. 1 MOA spreads 2.9 cm at a range of 100 m and 8.7 cm at a range of 300m.
- 1.4.2 “AEOS Kit” is defined as the **AEOS** day sight (which includes the fire control system (FCS) laser range finder (LRF)), the thermal imager and all its accessories: Mounting hardware, batteries, in addition the Accessories: the Carriage, REMOTE, AND Maintenance Items and Documentation. FIGURE 1

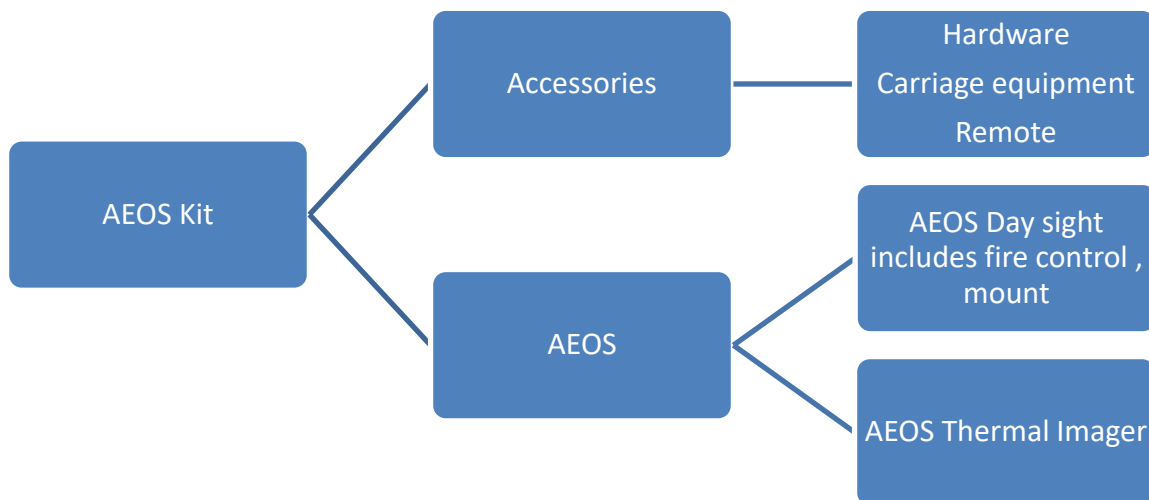


Figure 1: AEOS Kit Breakdown Chart

2.0 Applicable Documents

2.1 Applicability

- 2.1.1 The following documents form part of the evaluation to the extent specified and are supportive of the specification when referenced; all other document references are to be considered supplemental information only. In the event of a conflict between the documents referenced and the contents of the specification, then the contents of the specification **must** take precedence.

2.2 North Atlantic Treaty Organization (NATO) Documents

- 2.2.1 NATO AAP-6 NATO Standardization Agency (NSA) Glossary of Terms and Definitions;
www.acq.osd.mil/dpap/UID/docs/STANAG_2290_Edition_2_11182010.pdf
- 2.2.2 STANAG 4694 NATO Accessory Rail; (Refer to SOW Annex A, Appendix 2)
- 2.2.3 STANAG 4347 Definition of Nominal Static Range Performance for Thermal Imaging Systems; http://everyspec.com/NATO/NATO-STANAG/download.php?spec=STANAG_4347.00002278.pdf
- 2.2.4 AECTP-200 Allied Environmental Conditions and Test Publications- Environmental Conditions Edition 3;
<https://nso.nato.int/nso/zPublic/ap/PROM/AECTP-200%20ED4%20E.pdf>
- 2.2.5 AECTP-230 Allied Environmental Conditions and Test Publications- Climatic Conditions Edition 1, Leaflet 2311/1 and Leaflet 2311/2.
<https://nso.nato.int/nso/zPublic/ap/PROM/AECTP-230%20ED1%20E.pdf>

3.0 Technical Bid Evaluation

3.1 Bid Process

- 3.1.1 The AEOS Kit Bidder technical evaluation will occur as demonstrated in Appendix 1 to this Annex C. High level summary is as follows:

3.2 Technical documentation evaluation

- 3.2.1 The Bidder's proposal will be assessed with providing **substantial information** describing completely and in detail how the requirement is met or addressed. These requirements are detailed in the Technical Bid Evaluation Matrix which is attached as Appendix 1 to Annex C. The

Bidder's proposal **must** demonstrate that it meets all mandatory requirements to be compliant.

3.3 Responding to Evaluation Criteria

- 3.3.1 For each listed requirement of this bid evaluation, the Bidder **must** provide a response that clearly explains how the requirement is met. When reference material is provided, the location of the answer should be clearly identified with the following information: the document name, the page number and the paragraph number or line number.
- 3.3.2 Failure to provide sufficient information with the bid to verify compliance with the mandatory technical evaluation criterion detailed in Appendix 1 to Annex C or to verify the compliance of the equipment to the specified requirements, the bid will be considered non-compliant.

3.4 Compliance Method

- 3.4.1 Bidders must demonstrate their compliance with the following sections of the bid solicitation by providing substantial information describing completely and in detail how the requirement is met or addressed as indicated in the Technical Bid Evaluation Matrix Annex C, Appendix 1. Bidders must provide with their technical bid, a document indicating clearly where the substantial information for each of the sections identified below can be found.

4.0 Technical Bid Evaluation Matrix

4.1 General

- 4.1.1 The Bidder's proposal should include a signed and dated copy of the Technical Bid Evaluation Matrix (at Annex C, Appendix 1) with the self-assessment at Columns 6, 7 and 8 completed. Bidders must provide **substantial information** describing completely and in detail how the requirement is met or addressed in Column 4, as a part of the proposal.

4.2 Column 1 & 2 "Reference & Requirements Statement"

- 4.2.1 This column provides reference to the SOW requirements being evaluated.

4.3 Column 3 “Instruction to Bidders”

- 4.3.1 This column provides guidance to the Bidder as to the detailed information that *must* be provided with the proposal that identifies the requirement as compliant.

4.4 Column 4 “Evaluation Criteria”

- 4.4.1 This column provides details to the bidder displaying what the evaluators will be assessing.

4.5 Column 5 “Mandatory Requirement”

- 4.5.1 This column states that the requirement is mandatory

4.6 Column 6 “Bidder’s Self-Assessment”

- 4.6.1 This column is a Bidder’s self-assessment column where a Bidder should indicate “compliant” or “non-compliant” to each mandatory requirement being evaluated as substantial information.

4.7 Column 7 “Evidence Location in Bid”

- 4.7.1 In this column the Bidder should clearly identify where in their bid documents (PDF) the evaluator can find information that supports the Bidder’s compliance against the mandatory requirement (document, page, and paragraph).

4.8 Column 8 “Bidder’s Statement and/or Comments”

- 4.8.1 In this column the Bidder should provide additional relevant information that they would like to bring to the attention of the evaluator for consideration during this assessment of each mandatory requirements.

4.9 General

- 4.9.1 The Contracting Authority will be provided with the list of all Bids that are determined to be technically compliant.

5.0 Appendixes

Appendix 1: Technical Bid Evaluation Matrix
Advanced Electro-Optical System for the 84mm Carl Gustaf

Submission Date:	
Bidder Unique ID Number:	
Product:	
Bidder Signature	

Instructions:

- 1. Bidder: Complete Columns 6-7-8.**
- 2. Evaluator: Review Bidder's responses and verify compliance/non-compliance during Bid Evaluation.**

Bidder's name: _____

Evaluator:

Print Name	Organization	Signature

Evaluator:

Print Name	Organization	Signature

Evaluator:

Print Name	Organization	Signature

1.Reference	2.Requirement Statement	3.Instructions to Bidder	4.Evaluation Criteria	5.Mandatory Requirement	6.Bidder's Self-Assessment (Compliant / Non-Compliant)	7.Evidence Location in Bid (PDF Name, Page No., Para)	8.Bidder's Statement and/or Comments
MANDATORY REQUIREMENTS							
General Requirements							
N/A	The AEOS kit <i>must</i> be currently in use by a NATO Military allies.	The Bidder <i>must</i> provide substantial information such as documentation that specifies that the proposed AEOS kit are currently in use by NATO Military allies.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.	Mandatory			
N/A	The OEM of the AEOS kit <i>must</i> be an established manufacturer that has been in the business of developing, manufacturing and selling electro-optic sights for a minimum of five (5) years.	The Bidder <i>must</i> provide substantial information such as documentation that specifies that the proposed OEM of the AEOS kit is an established manufacturer that has been in the business of developing, manufacturing and selling electro-optic sights for a minimum of five (5) years.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.	Mandatory			
N/A	The Bidder must be an Original Equipment Manufacturer (OEM) or their authorized distributor;	The Bidder <i>must</i> provide substantial information such as documentation that specifies that the Bidder is an Original Equipment Manufacturer (OEM) or their authorized distributor;	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.	Mandatory			
SOW 3.1 – AEOS KIT GENERAL REQUIREMENTS							
SOW 3.1.1	The AEOS kit, must meet all performance requirements in this SOW without incurring physical damage and without degradation of performance of the AEOS Kit during and after exposure to any combination of the meteorological and induced climatic conditions that can be found within the geographic	The Bidder <i>must</i> provide substantial information such as documentation that specifies the proposed AEOS kit, meets all performance requirements in this SOW without incurring physical damage and without degradation of performance of the proposed AEOS Kit during and after exposure to any combination of the	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.	Mandatory			

	climatic regions identified in this SOW and described in, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2	meteorological and induced climatic conditions.					
SOW 3.1.2	The AEOS Kit, must operate without physical damage and without degradation of performance in all high temperature environments associated with the A3, A2, and A1 (+49°C maximum) climatic regions as described in, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.	The Bidder must provide substantial information such as documentation that specifies the high temperature operating limit of the proposed AEOS Kit.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement; OR a Test Report detailing how the proposed AEOS was tested in accordance with MIL-STD-810H, Method 501.7, Procedure II, conducted at A1 “Hot-Dry” category Meteorological Air Conditions, or using an Equivalent Test Method. The Test Report must clearly demonstrate that the proposed AEOS completed the testing without physical damage or degradation of performance. Equivalent Test Methods are acceptable in accordance with paragraph 7.3 of Annex C to the SOW.		Mandatory		
SOW 3.1.3	The AEOS kit, must be stored and transported without physical damage and without inducing degradation of performance in all high temperature environments associated with the A3, A2, and A1 (+71°C maximum) climatic regions as described in, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.	The Bidder must provide substantial information such as documentation that specifies the high temperature non-operating (storage) limit of the proposed AEOS.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory		
SOW 3.1.4	The AEOS kit must operate without physical damage and without degradation of performance in all low temperature environments associated with the C0 and C1 (-32°C minimum) climatic regions as described in, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.	The Bidder must provide substantial information such as documentation that specifies the low temperature operating limit of the proposed AEOS Kit.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement; OR a Test Report detailing how the proposed AEOS was tested in accordance with MIL-STD-810H, Method 502.7, Procedure II, conducted at C2 “Cold” category Meteorological Air Conditions, or using an Equivalent Test Method. The Test Report must clearly demonstrate that the proposed		Mandatory		

			AEOS completed the testing without physical damage or degradation of performance. Equivalent Test Methods are acceptable in accordance with paragraph 7.3 of Annex C to the SOW.				
SOW 3.1.5	The AEOS kit, <i>must</i> be stored and transported without physical damage and without inducing degradation of performance in all low temperature environments associated with the C0, C1, and C2 climatic regions as described in, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2. For this requirement only, the lower boundary of the Induced Air Conditions within the C2 climatic region will be evaluated at -40°C.	The Bidder <i>must</i> provide substantial information such as documentation that specifies the low temperature non-operating (storage) limit of the proposed AEOS Kit.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory		
SOW 3.1.9	The AEOS kit, <i>must</i> be transported 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, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.	The Bidder <i>must</i> provide substantial information such as documentation that specifies the high humidity operating limit of the proposed AEOS Kit. To demonstrate compliance with this requirement, the Relative Humidity operating limit must be equal to or greater than 90%.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory		
SOW 3.1.10	The AEOS kit, <i>must</i> operate without physical damage and without degradation of performance under conditions of rapid changes in ambient air temperature as encountered during movements between in-door controlled temperature environments to out-door environments that are at either high temperature (+49°C) and low temperature (-	The Bidder <i>must</i> provide substantial information such as documentation that specifies that the proposed AEOS Kit and its accessories operate without physical damage and without degradation of performance under conditions of rapid changes in ambient air temperature.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory		

	32°C) extremes. The AEOS and its accessories, must not require any physical modifications or preparations in advance of encountering any temperature shocks and must be fully operable during and following all temperature shocks.							
SOW 3.2 – AEOS GENERAL REQUIREMENTS								
SOW 3.2.4	The AEOS controls <i>must</i> be operated and manipulated by one hand.	The Bidder <i>must</i> provide substantial information such as documentation that specifies that the proposed AEOS can be operated and manipulated by one hand.	1) Substantial information that describes in detail how the equipment offered fully complies with the requirements.		Mandatory			
SOW 3.2.10	The AEOS <i>must</i> have a ballistic computer with a capability to store ballistic algorithms compatible with GDOTS ammunition, ADM401, HE441, FFV502, FFV545C, FFV551, FFV552 and FFV751 to interdict a standard NATO vehicle target.	The Bidder <i>must</i> provide substantial information such as documentation that specifies the proposed AEOS have a ballistic computer with a capability to store ballistic algorithms	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory			
SOW 3.2.12	The AEOS <i>must</i> have an updateable ballistic table.	The Bidder <i>must</i> provide substantial information such as documentation that specifies the proposed AEOS have an updateable ballistic table.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory			
SOW 3.3 – AEOS DAY SIGHT REQUIREMENTS								
SOW 3.3.8	The AEOS Day sight <i>must</i> detect a Standard NATO Vehicle Target at 3000 meters (m) or greater.	The Bidder <i>must</i> provide substantial information such as documentation that specifies that the proposed AEOS Day sight detect a Standard NATO Vehicle Target at 3000 meters (m) or greater. The method of NATO STANAG 4347E <i>must</i> be used to calculate the detection, recognition and identification ranges.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory			

SOW 3.3.9	The AEOS Day sight must recognize a Standard NATO Vehicle Target at 1500 meters (m) or greater.	The Bidder must provide substantial information such as documentation that specifies that the proposed AEOS Day sight recognize a Standard NATO Vehicle Target at 1500 meters (m) or greater. The method of NATO STANAG 4347E must be used to calculate the detection, recognition and identification ranges.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory			
SOW 3.3.10	The AEOS Day sight must identify a Standard NATO Vehicle Target at 750 meters (m) or greater.	The Bidder must provide substantial information such as documentation that specifies that the proposed AEOS Day sight identify a Standard NATO Vehicle Target at 750 meters (m) or greater. The method of NATO STANAG 4347E must be used to calculate the detection, recognition and identification ranges.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory			
SOW 3.4 – AEOS THERMAL IMAGER REQUIREMENTS								
SOW 3.4.1	The AEOS Thermal Imager must maintain bore sight alignment with the Day Sight and must not deviate the point of aim from the AEOS Day Sight.	The Bidder must provide substantial information such as documentation that specifies that the proposed AEOS Thermal Imager maintain bore sight alignment with the Day Sight and not deviate the point of aim from the AEOS Day Sight.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory			
SOW 3.4.9	The AEOS Thermal Imager must operate continuously for 2 hours at -20 degree Celsius without changing batteries.	The Bidder must provide substantial information such as documentation that specifies that the proposed AEOS Thermal Imager operate continuously for 2 hours at -20 degree Celsius without changing commercial batteries.	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory			
SOW 3.4.10	The AEOS Thermal Imager must detect a Standard NATO Vehicle Target at 3000 meters (m) or greater at night.	The Bidder must provide substantial information such as documentation that specifies that the proposed AEOS Thermal Imager detects a Standard	1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.		Mandatory			

		<p>NATO Vehicle Target at 3000 meters (m) or greater at night.</p> <p>The method of NATO STANAG 4347E must be used to calculate the detection, recognition and identification ranges.</p>					
SOW 3.4.11	<p>The AEOS Thermal Imager must recognize Standard NATO Vehicle Target at 1000 meters (m) or greater at night.</p>	<p>The Bidder must provide substantial information such as documentation that specifies that the proposed AEOS Thermal Imager recognize Standard NATO Vehicle Target at 1000 meters (m) or greater at night.</p> <p>The method of NATO STANAG 4347E must be used to calculate the detection, recognition and identification ranges.</p>	<p>1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.</p>		Mandatory		
SOW 3.4.12	<p>The AEOS Thermal Imager must identify a Standard NATO Vehicle Target at 600 meters (m) or greater at night.</p>	<p>The Bidder must provide substantial information such as documentation that specifies that the proposed AEOS Thermal Imager identify a Standard NATO Vehicle Target at 600 meters (m) or greater at night.</p> <p>The method of NATO STANAG 4347E must be used to calculate the detection, recognition and identification ranges.</p>	<p>1) Substantial information (such as technical documentation, manuals, product specifications, pictures, video, screen shots, sample data outputs, certificates) requested is provided and confirms that the bidder meets the requirement.</p>		Mandatory		