

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

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

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

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

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

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

Comments - Commentaires

Title - Sujet WIRE,ELECTRICAL	
Solicitation No. - N° de l'invitation W8482-156538/A	Date 2014-11-28
Client Reference No. - N° de référence du client W8482-156538	
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-329-66235	
File No. - N° de dossier hn329.W8482-156538	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-01-15	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Dumaresq, Steve	Buyer Id - Id de l'acheteur hn329
Telephone No. - N° de téléphone (819) 956-3487 ()	FAX No. - N° de FAX (819) 953-4944
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: <div style="text-align: center;">Specified Herein Précisé dans les présentes</div>	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Electrical & Electronics Products Division
11 Laurier St./11, rue Laurier
7B3, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

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



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
W0100	DEPARTMENT OF NATIONAL DEFENCE MAIN SUPPLY BLDG RECEIPTS OFF. D206 HMC DOCKYARD HALIFAX Nova Scotia B3K5X5 Canada	W010B	DEPARTMENT OF NATIONAL DEFENCE P.O. BOX 99000 STN FORCES HALIFAX Nova Scotia B3K5X5 Canada
W2B02	DEPARTMENT OF NATIONAL DEFENCE MAIN WAREHOUSE BLDG 66 COLWOOD VICTORIA British Columbia V9A7N2 Canada	W0103	DEPARTMENT OF NATIONAL DEFENCE CFB ESQUIMALT STN FORCES P.O.BOX 17000 VICTORIA British Columbia V9A7N2 Canada



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM Destination Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	NSN - NNO: 6145-21-908-8877 WIRE,ELECTRICAL Destination: Victoria, BC Quantity: 1,000 Metres Description: As per Annex A • Proposed Part Number: _____ • Proposed CAGE/NSCM: _____ • •	W2B02	W0103	1000	MR	\$XXXXXXXXXXXXX	See Herein	



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM Destination Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
2	NSN - NNO: 6145-21-908-8877 WIRE,ELECTRICAL Destination: Halifax, NS Quantity: 1,000 Metres Description: As per Annex A • Proposed Part Number: _____ • Proposed CAGE/NSCM: _____ • •	W0100	W010B	1000	MR	\$XXXXXXXXXXXXX	See Herein	

Solicitation No. - N° de l'invitation

W8482-156538/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

hn329

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

W8482-156538

hn329W8482-156538

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Buyandsell.gc.ca

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Achatsetventes.gc.ca

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ANNEX A STATEMENT OF REQUIREMENT

PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The contractor must provide the goods in accordance with the technical requirements stated herein at Annex A and in the quantities stated at pages 3 and 4.

NAVAL SINGLE CONDUCTOR 250 MCM CABLE (See Annex A)

Line 1: NSN 6145-21-908-8877, 1000 Metres, Destination: Victoria, BC

Line 2: NSN 6145-21-908-8877, 1000 Metres, Destination: Halifax, NS

3. Debriefings

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

4. Trade Agreements

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

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

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

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2014-09-25) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: ninety (90) calendar days

1.1 SACC Manual Clauses

SACC Reference	Section	Date
A9033T	Financial Capability	2012-07-16
B1000T	Condition of Material	2007-11-30

2. Submission of Bids

Bids must be submitted ONLY TO THE BID RECEIVING UNIT by the date, time and place indicated on page 1 of the bid solicitation. Do not send proposal directly to the Contracting Officer. Email proposals not accepted.

PWGSC Bids Receiving Unit
11 Laurier Street
Place du Portage, Phase 3, Core 0B2
Gatineau, Québec, K1A 0S5
Tel.: 819-956-3366
Fax: 819-997-9776

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) calendar days before the bid closing date. Enquiries received after that time may not be answered. Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

Steve Dumaresq (steve.dumaresq@pwgsc-tpsgc.gc.ca)

4. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario. Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

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

Section I: Technical Bid (1 copy)

Section II: Financial Bid, Certifications and Additional Information (1 copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders are encouraged to:

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

SECTION I: TECHNICAL BID (1 copy)

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

SECTION II: FINANCIAL BID, CERTIFICATIONS AND ADDITIONAL INFORMATION (1 copy)

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

1.1 Certifications

Bidders must submit the certifications required under Part 5 prior to contract award.

1.2 Exchange Rate Fluctuation

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.

1.3 Additional Information

1.3.1 Procurement Business Number (PBN) (Canadian suppliers)

<https://buyandsell.gc.ca/for-businesses/register-as-a-supplier>

The Procurement Business Number of the supplier is: _____

Note: Not mandatory at bid closing but required precedent to contract award.

1.4 Delivery Offered

Bidder's best estimated delivery dates:

Line Item 1: NSN 6145-21-908-8877, Destination: Victoria, BC: _____

Line Item 2: NSN 6145-21-908-8877, Destination: Halifax, NS: _____

1.5 Contractor Representatives

Name and telephone number of the person responsible for:

General enquiries

Name: _____

Telephone: _____

Facsimile: _____

E-mail: _____

Delivery follow-up

Name: _____

Telephone: _____

Facsimile: _____

E-mail: _____

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria. All bids must be completed in full and provide all of the information requested in the bid solicitation to enable full and complete evaluation.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

- Technical compliance to Annex A;
- Bids must be submitted for all destinations per NSN.

1.2 Financial Evaluation

- Compliance with the pricing requirements presented herein.

The total bid price will be the sum of all line items.

1.3 Pricing Basis

The bidder must quote firm unit prices in Canadian dollars, DDP Delivered Duty Paid (destination), with applicable taxes extra, as applicable. Freight charges to destination must be included. All applicable Custom duties and Excise taxes must be included.

1.4 Basis of Selection

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

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and documentation to be awarded a contract. The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default, if any certification made by the Bidder is found to be untrue whether during the bid evaluation period or during the contract period. The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with this request will also render the bid non-responsive or will constitute a default under the Contract.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Human Resources and Skills Development Canada \(HRSDC\) - Labour's](#) website. Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list at the time of contract award.

1.3 General Environmental Criteria Certification

By submitting the bid, the bidder certifies that the information submitted in the General Environmental Criteria table below (1.3.1) is accurate and complete. By submitting the bid the Bidder certifies that it meets, and will continue to meet throughout the duration of any resulting contract, a minimum of four (4) out of seven (7) requirements identified in the General Environmental Criteria Table. Table 1.3.1 is not mandatory at bid closing but required precedent to contract award.

1.3.1 General Environmental Criteria Certification Table

Green practices within supplier's organization:	Insert a checkmark for each criteria that is met
Promotes a paperless environment through directives, procedures and/or programs.	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client.	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification.	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	
Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	
Registered to ISO 14001 or has an equivalent environmental management system in place.	

PART 6 - RESULTING CONTRACT CLAUSES**1. Security Requirement**

There is no security requirement associated with the requirement.

2. Requirement

The contractor must provide the goods in accordance with the technical requirements stated herein at Annex A and in the quantities stated at pages 3 and 4.

2.1 SACC Manual Clauses

SACC Reference	Section	Date
B1501C	Electrical Equipment	2006-06-16

2.1.1 Quantity - Minimum/Maximum (For bulk cables)

A minimum delivery of 90 percent or a maximum delivery of 110 percent of the total quantity is acceptable to satisfy this requirement.

2.1.2 Cable Lengths

Cables shall be provided in continuous lengths of not less than 1 Meter (3.281 feet), unless otherwise specified. Multiple lengths may be on the same reel. Each reel shall be marked indicating the number of lengths and the length of each piece, in the order that the cable will be removed from the reel.

3. Standard Clauses and Conditions

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

3.1 General Conditions

2010A (2014-09-25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

3.3 SACC Manual Clauses

SACC Reference	Section	Date
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian Contractors	2011-05-16

4. Term of Contract**4.1 Delivery**

Line Item 1: NSN 6145-21-908-8877, 1000 Metres, Destination: Victoria, BC: _ Delivery as offered and as accepted will be inserted at contract award __

Line Item 2: NSN 6145-21-908-8877, 1000 Metres, Destination: Halifax, NS: _ Delivery as offered and as accepted will be inserted at contract award ____

5. Authorities

5.1 Contracting Authority

Steve Dumaresq
Public Works and Government Services Canada
Acquisitions Branch
Logistics, Electrical, Fuel and Transportation Directorate
"HN" Division, 7B3, Place du Portage, Phase III, 11 Laurier Street
Gatineau, QC, K1A 0S5
Telephone : (819) 956-3487 Facsimile: (819) 953-4944
E-mail address: steve.dumaresq@pwgsc-tpsgc.gc.ca

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

5.2 Project Authority

Name: will be inserted at contract
Telephone No. will be inserted at contract
Facsimile No will be inserted at contract
E-mail address: will be inserted at contract

The Project 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 matter concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project 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.

5.3 Contractor Contacts

General Enquiries

Name: will be inserted at contract
Telephone No. will be inserted at contract
Facsimile No will be inserted at contract
E-mail address: will be inserted at contract

Delivery Follow-up

Name: will be inserted at contract
Telephone No. will be inserted at contract
Facsimile No will be inserted at contract
E-mail address: will be inserted at contract

6. Payment

6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm prices, as specified in the contract for a total cost of \$ ____ (insert the amount at contract award). Customs duties are included and Applicable Taxes are extra. Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.2 Multiple Payments

SACC Manual clause [H1001C](#) (2008-05-12) Multiple Payments

6.4 SACC Manual Clauses

SACC Reference	Section	Date
D0050C	End User Certificate	2007-05-25
G1005C	Insurance	2008-05-12

7. Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - (a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
 - (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

Department of Public Works and Government Services
 "HN" Division
 7B3 Place du Portage, Phase III
 11 Laurier Street, Gatineau, QC K1A 0S5

8. Certifications

8.1 Compliance

Compliance with the certifications and related documentation 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, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

9. Applicable Laws

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

10. Priority of Documents

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

- a. the Articles of Agreement;
- b. 2010A (2014-09-25) General Conditions – Goods (Medium Complexity);
- c. Annex A, Statement of Requirement;
- d. the Contractor's bid dated ____.

11. Defence Contract

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

12. SACC Manual Clauses

SACC Reference	Section	Date
D5540C	ISO 9001:2008 Quality Management Systems - Requirements (Quality Assurance Code Q)	2010-08-16
D5510C	Quality Assurance Authority (Department of National Defence) - Canadian-based Contractor	2014-06-26
D5515C	Quality Assurance Authority (Department of National Defence) - Foreign-based and United States Contractor	2010-01-11
D5606C	Release Documents (Department of National Defence) - Canadian-based Contractor	2012-07-16
D5605C	Release Documents (Department of National Defence) - United States-based Contractor	2010-01-11
D5604C	Release Documents (Department of National Defence) - Foreign-based Contractor	2008-12-12

12.1 NATO Commercial and Government Entity Code (NCAGE) Traceability

Material supplied for the items specified in this contract is subject to investigation by Canada. Material which can neither be demonstrated by the contractor as having originated directly from the NCAGE specified for the item in this contract, nor as supplied with the specific written permission of this specified NCAGE, are subject to the following action by Canada.

Canada may either:

- (a) terminate the contract for default with respect to that item, return the item to the Contractor at the Contractor's risk and expense, and demand and receive from the Contractor (who shall forthwith so pay) all reprocurement and other costs incurred by Canada, including any increased costs required for the purpose of expediting production; or
- (b) retain the item, and demand and receive from the Contractor (who shall forthwith so pay) the difference between the Contractor's costs relating to the item, as determined by Canada, and the costs which, in Canada's opinion, the Contractor would have incurred had it obtained and supplied an item which did not differ in any way from that specifically required under the contract.

12.2 Release Documents - Distribution

The Contractor must prepare the release documents in a current electronic format and distribute them as follows:

- a. One (1) copy mailed to consignee marked: "Attention: Receipts Officer";
- b. Two (2) copies with shipment (in a waterproof envelope) to the consignee;
- c. One (1) copy to the Contracting Authority;
- d. One (1) copy to:
National Defence Headquarters- Mgen George R. Pearkes Building
101 Colonel By Drive, Ottawa, ON, K1A 0K2
Attention: D Mar P 4-3
- e. One (1) copy to the Quality Assurance Representative;
- f. One (1) copy to the Contractor; and
- g. For all non-Canadian contractors, one (1) copy to:
DQA/Contract Administration - National Defence Headquarters
Mgen George R. Pearkes Building,
101 Colonel By Drive, Ottawa, ON, K1A 0K2
E-mail: ContractAdmin.DQA@forces.gc.ca.

13. SACC Manual Clauses (Delivery)

SACC Reference	Section	Date
D2000C	Marking	2007-11-30
D2001C	Labelling	2007-11-30
D6010C	Palletization	2007-11-30
D2025C	Wood Packaging Materials	2013-11-06
D9002C	Incomplete Assemblies	2007-11-30

13.1 Shipping Instructions - Delivery at Destination

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

- (a) Delivered Duty Paid (DDP) (destination) Inco terms 2000 for shipments from a commercial contractor.

13.2 Preparation for Delivery

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

13.3 Shipping – Scheduling

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

- (a) 2B1 CF Esquimalt
Esquimalt, B.C.
Telephone: 250-363-4963
- (b) 7H1 CF Halifax
Halifax, N.S.
Telephone: 902-427-1441

ANNEX A - STATEMENT OF REQUIREMENT
NAVAL SINGLE CONDUCTOR 250 MCM CABLE

REVISION IV
09-04-08

1. SPECIFICATION

- 1.1 The cable specified herein must be manufactured in accordance with ICEA S-68-516 (NEMA W C 8). Cable must be suitable for use at 600 volts AC, 90° C.

2. CONDUCTORS

- 2.1 The conductor must be copper, 250,000 circular mils, nominal, 2499 strands, rope stranded, per ASTM B172 Class K. The conductor may be tinned or uncoated at the manufacturer's option.

3. CONSTRUCTION

FIRST Copper conductor

SECOND EPR insulation, Type II.
Nominal thickness 0.095"

THIRD Separator, at manufacturer's discretion

FOURTH Jacket of black, heavy duty neoprene or polychloroprene, with reinforcement as required. Nominal overall diameter 1.035".

4. EXAMINATION AND TESTS

4.1 The following tests must be carried out:

TEST	LIMITS
Conductor resistance	0.0481 ohms/1000', nominal
Insulation thickness	0.095", nominal
Tensile strength	1200 psi, min
Elongation	150 %
Ageing	As per specification ICEA S-68-516 (NEMA W C 8) section 4.4.3
Jacket thickness	0.14", min
Tensile strength	1800 psi, min
Elongation	300 %
Ageing	As per specification ICEA S-68-516 (NEMA W C 8) section 4.4.3 or 4.4.11
Cold bend	no cracks
AC voltage	8 KV
Insulation resistance	500 MΩ per 1000', min

5 ADDITIONAL REQUIREMENTS

- 5.1 The cable jacket marking must include the following, in addition to the standard markings:

NSN 6145-21-908-8877

The marking must repeat at intervals of about once per yard.

- 5.2 Cable ends must be sealed using heat shrinkable end caps having a hot melt inner coating.

- 5.3 The cable must be provided in lengths of not less than 1000 feet.

- 5.4 Cable reels must have the following information marked on each side, using water resistant paint of a contrasting colour, and letters at least 1" high:

- (a) 6145-21-908-8877
- (b) Contract number
- (c) Manufacturer's name
- (d) Date of manufacture
- (e) Length of cable on the reel

6. ACCEPTANCE AND DELIVERY

- 6.1 The cable manufacturer must perform all the required tests and provide the compilation of the required Test Reports. Three copies of the Test Report, certified by the testing organisation, must be submitted to the Technical Authority for examination and approval. Shipment of the cable must not take place until the contractor has received an approved and signed copy of the Test Report by the Technical Authority.