



National Defence

Défense nationale

National Defence Headquarters
Ottawa, Ontario
K1A 0K2

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

**REQUEST FOR PROPOSAL
DEMANDE DE
PROPOSITION**

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

Bid Receiving – PWGSC / Réception des
soumissions - TPSGC
11 Laurier St. / 11 rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau
Québec
K1A 0S5
Bid Fax: (819) 997-9776

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).

Title/Titre VALVE AND PART KIT	Solicitation No – N° de l'invitation W8482-195105/A
Date of Solicitation – Date de l'invitation January/janvier 09, 2018	
Address Enquiries to – Adresser toutes questions à Jennifer Sorensen D Mar P 4-3-2-3 Jennifer.Sorensen@forces.gc.ca	
Telephone No. – N° de téléphone N/A	FAX No – N° de fax N/A
Destination Specified Herein/ Précisé dans les 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.

**Solicitation Closes –
L'invitation prend fin**

At – à : 14 :00 EST

On - le :February/février 18,
2019

Delivery required - Livraison exigée	Delivery offered - Livraison proposée
Vendor Name and Address - Raison sociale et adresse du fournisseur	
Name and title of person authorized to sign on behalf of vendor (type or print) - Nom et titre de la personne autorisée à signer au nom du fournisseur (caractère d'imprimerie)	
Name/Nom _____	Title/Titre _____
Signature _____	Date _____



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PART 1 - GENERAL INFORMATION

1.1 Requirement - Bid

The Contractor must provide the items detailed under "Line Item Details" at in Annex "A".

1.2 Debriefings

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

1.3 Trade Agreements

The requirement is subject to the provisions the North American Free Trade Agreement (NAFTA) and the Canadian Free Trade Agreement (CFTA).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The [2003](#) (2018-05-22) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

a) Section 02, Procurement Business Number is deleted in its entirety.

b) Section 20, Further Information is deleted in its entirety.

2.1.1 SACC Manual Clauses

[B1000T](#) (2014-06-26), Condition of Material – Bid

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 7 calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

2.4 Applicable Laws

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

- Section I: Technical Bid (1 hard copy)
- Section II: Financial Bid (1 hard copy)
- Section III: Certifications (1 hard copy)

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

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

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

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

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

Section I: Technical Bid

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

Section II: Financial Bid

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

Section III: Certifications

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

3.1.1 Electronic Payment of Invoices – Bid

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

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

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

3.1.2 Exchange Rate Fluctuation

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form [PWGSC-TPSGC 450](#), Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.
2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).
4. At time of bidding, the Bidder must complete columns (1) to (4) on form [PWGSC-TPSGC 450](#), for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

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

4.1.1.1 Mandatory Technical Criteria

- a) Bidders must indicate the Part Number and the NSCM/NCAGE they are offering.
- b) Bidders proposing an Equivalent or Substitute Product must indicate the brand name and model and/or Part Number and the NSCN/NCAGE

4.1.1.2 Equivalent Products

- (a) This bid solicitation includes requirements to propose equipment (each, a Line Item) that has been specified by brand name, NATO Stock Number (NSN), and/or part number in order to ensure compatibility, interoperability and interchangeability with existing equipment owned by Canada.
- (b) Where equipment has been described in this bid solicitation by NSN and/or part number, and more than one part number is listed as associated with a single NSN Line Item, equivalency will be assessed against the first part number listed under the NSN. Other part numbers listed under that NSN will be considered to meet the requirement without requiring an assessment as an equivalent product, unless this bid solicitation specifies otherwise.
- (c) Proposed equipment that is a replacement part number (superseded or obsolete) from the Original Equipment Manufacturer of a part number listed under a Line Item must be assessed as an equivalent product under this Article, in order to be considered to meet the requirement.
- (d) Products that are equivalent in form, fit, function and quality that are fully compatible, interchangeable, and interoperable with the existing equipment owned by Canada as identified in the web links associated with each Line Item will be considered where the Bidder:
 - (i) clearly designates in its bid the brand name, NATO Stock Number, and/or part number of the proposed equivalent product;
 - (ii) provides complete specifications and descriptive technical documentation for each equivalent item proposed;
 - (iii) substantiates the compliance of its proposed equivalent by demonstrating that it meets all mandatory performance criteria that are specified in this bid solicitation;
 - (iv) demonstrates that the equipment is fully compatible, interoperates with and is interchangeable with the corresponding Line Item(s) specified in this bid solicitation; and
 - (v) clearly identifies those areas in the specifications and descriptive technical documentation that demonstrate the equivalence of the proposed equivalent product.
- (e) If requested during evaluation, the Bidder must submit a sample of any proposed equivalent product to the Contracting Authority for testing.
- (f) If requested during evaluation, the Bidder must provide a demonstration of its proposed equivalent product.
- (g) Proposed equivalent products will be declared non-responsive if:
 - (i) the bid fails to provide all the information (including Certifications) required to allow the Contracting Authority to evaluate the equivalency of the proposed equivalent, including

additional information requested by the Contracting Authority during the evaluation to supplement the information submitted in the bid (Note: it is the responsibility of the Bidder to include all information required to evaluate equivalency as described above; however, all bidders acknowledge that Canada will have the right, but not the obligation, to request any additional information during the evaluation that it requires to make a determination regarding equivalency);

- (ii) the Contracting Authority determines that the proposed equivalent fails to meet or exceed the mandatory requirements specified in this bid solicitation; or
- (iii) the Contracting Authority determines that the proposed equivalent is not equivalent in form, fit, function or quality to the item(s) specified in this bid solicitation or that the proposed equivalent is not fully compatible, interoperable and interchangeable with the existing equipment owned by Canada.

4.1.2 Financial Evaluation

SACC *Manual* Clause [A0222T](#) (2014-06-26), Evaluation of Price – Canadian / Foreign Bidders

4.2 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 bid with the lowest evaluated price on an item by item basis will be recommended for award of a contract.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

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

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

In accordance with the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969) website (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969).

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

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

There is no security requirement applicable to the Contract.

6.2 Requirement

The Contractor must provide the items detailed under the "Line Item Details" at Annex "A".

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

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

a. Definition of Minister is modified as follows:

"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.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract award to the end of the warranty period as described in Section 09 of [2010A](#) (2018-06-21) General Conditions - Goods (Medium Complexity).

6.4.2 Delivery Date

All the deliverables must be received on or before _____.

DND reserves the right to negotiate delivery date changes to before or after March 31, 2019.

6.4.3 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "A" of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Jennifer Sorensen
Title: Material Acquisition and Support Officer
Directorate: D Mar P 4-3-2-3
Address: 101 Colonel By Drive
Ottawa, Ontario, K1A 0K2
E-mail address: Jennifer.Sorensen@forces.gc.ca

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

6.5.2 Technical Authority

The Technical Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____-____-____
Facsimile: ____-____-____
E-mail: _____.

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

6.5.3 Contractor's Representative

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____ - ____ - ____
Facsimile: ____ - ____ - ____
E-mail: _____

6.6 Payment

6.6.1 Basis of Payment – Firm Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in Annex "B", Basis of Payment. Customs duties are excluded and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.6.2 Limitation of Price

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

6.6.3 Terms of Payment

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

SACC Manual clause [C2000C](#) (2007-11-30), Taxes – Foreign-based Contractor

SACC Manual clause [G1005C](#) (2016-01-28), Insurance - No Specific Requirement

SACC Manual clause [C2605C](#) (2008-05-12), Canadian Customs Duties and Sales Tax - Foreign-based Contractor

SACC Manual clause [C2608C](#) (2015-02-25), Canadian Customs Documentation

6.6.4 Electronic Payment of Invoices – Contract

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

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

6.7 Invoicing Instructions

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.

Invoices must be distributed as follows:

- a) The original and one (1) copy must be forwarded to the following address for certification and payment.

Department of National Defence
Maritime Forces Atlantic
Accts Payable Bldg. S-90, Room 334
2686 Sextant Lane, Stadacona
PO Box 99000 Stn
Forces Halifax, NS B3K
5X5 Canada

And

Department of National Defence Base Logistics Officer
CFB Esquimalt STN Forces,
P.O. Box 17000
Victoria, BC
V9A 7N2 Canada

- b) One (1) copy must be forwarded to:

Department of National Defence 101
Colonel By Drive
Ottawa, Ontario K1A 0K2
Attention: - D Mar P 4-3-2-3

6.8 Certifications and Additional Information

6.8.1 Compliance

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

6.9 Applicable Laws - Contract

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

6.10 Priority of Documents

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

- a) the Articles of Agreement;
- b) the general conditions [2010A](#) (2018-06-21), General Conditions - Goods (Medium Complexity)
- c) Annex A, Line Item Details
- d) Annex B, Basis of Payment
- e) Annex C, Long Text Description
- f) the Contractor's bid dated _____.

6.11 Defence Contract

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

6.12 SACC Manual Clauses

[B7500C](#) (2006-06-16), Excess Goods

[C2800C](#) (2013-01-28), Priority Rating

[C2801C](#) (2017-08-17), Priority Rating – Canadian-Based Contracts

[D2001C](#) (2007-11-30), Labelling

[D2000C](#) (2007-11-30), Marking

[D2025C](#) (2017-08-17), Wood Packaging Materials

[D6010C](#) (2007-11-30), Palletization

[G1005C](#) (2016-01-28), Insurance - No Specific Requirement

6.13 Asbestos

The contractor shall not use asbestos in the equipment unless no feasible alternative is available, in which case rationale shall be provided. Any parts containing asbestos shall be properly labelled, and the part number and location be explicitly identified in technical documentations.

6.14 Packaging Requirements

The Contractor must prepare all 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.

The Contractor must package all item numbers in quantities of 1 by package.

6.15 Shelf Life

The Contractor must ensure that **item(s) 001-002 and 007-008** will contain 75% of the authorized shelf life as listed in CFTO D-05-001-001/SF-000 at date of delivery to the Department of National Defence.

Shelf life for item(s) 001-002 and 007-008 is 120 months.

6.16 Additional Markings

For items 001-002 and 007-008:

1. The Contractor must ensure that in addition to the required interior and exterior package markings, the following information is provided:
 - a. specification number;
 - b. manufacturer's name;
 - c. cure date of rubber components;
 - d. date of manufacture;
 - e. expiration date of shelf life
2. These markings must be applied and positioned in accordance with Canadian Forces Packaging Specification D-LM-008-002/SF-001.

6.17 Canadian Military Technical Data (Shock Test) – Equivalent Products

For item 001-002, 007-008:

Submission of certificate of shock testing and drawings:

Any equivalent product(s) proposed must have successfully met the testing requirements of Specification D-03-003-007/SG-000 Grade 1 Type A, prior to the bid closing. If bidder is offering substitute products that are equivalent in form, fit, function and quality to the Original Equipment Manufacturer (OEM) parts specified herein, the bidder must provide proof by submitting a copy of the successful certificate of shock testing including the serial numbers of the proposed products and an acceptable drawing with certification of the proposed products with their bid by the bid closing date and time. Bids unable to meet this requirement will be given no further consideration.

6.18 Quality Assurance

For items 001-006 :

6.17.1 Quality Assurance Code C

SACC Manual clause [D5545C](#) (2010-08-16) ISO 9001:2008 – Quality Management Systems – Requirements (Quality Assurance Code C)

For items 007-008:

6.17.2 Quality Assurance Code Q

1. SACC Manual clause [D5540C](#) (2010-08-16) ISO 9001:2008 Quality Management Systems – Requirements (Quality Assurance Code Q)

2. SACC Manual clause [D5510C](#) (2017-08-17) Quality Assurance Authority (Department of National Defence) – Canadian-based Contractor

3. *SACC Manual* clause [D5515C](#) (2010-01-11) Quality Assurance Authority (Department of National Defence) – Foreign-based and United States Contractor

4. *SACC Manual* clause [A1009C](#) (2008-05-12) Work Site Access

5. *SACC Manual* clause [D5606C](#) (2017-11-28) Release Documents (Department of National Defence) – Canadian-based Contractor

6. *SACC Manual* clause [D5604C](#) (2008-12-12) Release Documents (Department of National Defence) – Foreign-based Contractor

7. *SACC Manual* clause [D5605C](#) (2010-01-11) Release Documents (Department of National Defence) – United States-based Contractor

8. 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 4-3-2-3*

- 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.

6.19 Shipping Instructions (Department of National Defence)

Canadian-based Contractor

1. Delivery will be FCA Free Carrier at FCA PLANT Incoterms 2000. The Contractor must load the goods onto the carrier designated by the Department of National Defence (DND). Onward shipment from the delivery point to the consignee will be Canada's responsibility.

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2. Before shipping the goods, the Contractor must contact the following DND Inbound Logistics Coordination Center by facsimile or e-mail, to arrange for shipment, and provide the information detailed at paragraph 3.
 - a. Inbound Logistics Co-ordination Center (ILCC)
Telephone: 1-877-877-7423 (toll free)
Facsimile: 1-877-877-7409 (toll free)
E-mail: ILHQOttawa@forces.gc.ca
 3. The Contractor must provide the following information to the DND Inbound Logistics Coordination Center when arranging for shipment:
 - a. the Contract number;
 - b. consignee address (for multiple addresses, items must be packaged and labelled separately with each consignee address);
 - c. description of each item;
 - d. the number of pieces and type of packaging (i.e., carton, crate, drum, skid);
 - e. actual weight and dimensions of each piece type, including gross weight;
 - f. full details of dangerous goods/hazardous products, as required for the applicable mode of transportation, signed certificates for dangerous goods/hazardous products as required for shipment by the International Maritime Dangerous Goods Code, the International Air Transport Association regulations or the applicable Canadian [Transportation of Dangerous Goods Regulations](#), and a copy of the safety data sheet in English and French.
 4. Following receipt of this information by Canada, Canada will provide the appropriate shipping instructions, which may include the requirement for specific consignee address labelling, and the marking of each piece with a Transportation Control Number.
 5. The Contractor must not ship the goods before receiving shipping instructions from the DND Inbound Logistics contact.
 6. If the Contractor delivers the goods at a place and time which are not in accordance with the given delivery instructions or fail to fulfill reasonable delivery instructions given by Canada, the Contractor must reimburse Canada any additional expenses and costs incurred.
 7. If Canada is responsible for delays in delivering the goods, ownership and risk will be transferred to Canada upon expiry of either 30 days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or 30 days following the delivery date specified in the Contract, whichever is later.

OR

Foreign-based Contractors

1. Delivery will be FCA Free Carrier at FCA Plant Incoterms 2000. The Contractor must load the goods onto the carrier designated by the Department of National Defence (DND). Onward shipment from the delivery point to the consignee will be Canada's responsibility
2. Before shipping the goods, the Contractor must contact the following DND Inbound Logistics Coordination Center by facsimile or e-mail, to arrange for shipment, and provide the information detailed at paragraph 3.

- a. Telephone: 1-877-447-7701 (toll free)
Facsimile: 1-877-877-7409 (toll free)
E-mail: ILHQOttawa@forces.gc.ca

OR

- b. Telephone: 011-44-1895-613023, or 011-44-1895-613024, or
Facsimile: 011-44-1895-613046
E-mail: CFSUEDetUKMovements@forces.gc.ca

In addition, the Contractor must send to ILUK the completed form "Shipping Advice and Export Certificate" by e-mail to: CFSUEDetUKMovements@forces.gc.ca. The shipment of any items above the value of 600 GBP (pound sterling) being exported from the United Kingdom and Ireland will be cleared by DND using Her Majesty's Customs & Excise (HMCE) New Export Systems (NES). The Contractor must comply with HMCE requirements by registering with HMCE or by having a freight forwarder complete the entry. A printed copy of the NES entry Export Declaration clearly displaying the Declaration Unique Consignment Reference Number must be provided by the Contractor and attached to the consignment. The Contractor must ensure that this procedure is carried out for all stores whether they be initial purchase or repair and overhaul export items. HMCE will authorize Canadian Forces Support Unit (Europe) to ship the goods only if the procedure has been adhered to completely and properly by the Contractor. **Note:** To ensure you receive a reply on any contracting information such as Incoterms etc, always include the e-mail address: ILHQOttawa@forces.gc.ca in carbon copy (cc).

OR

- c. Inbound Logistics Europe Area (ILEA):
Telephone: +49-(0)-2203-908-1807 or 2748 or 5304
Facsimile: +49-(0)-2203-908-2746
Email: ILEA@forces.gc.ca

Note: To ensure you receive a reply on any contracting information such as Incoterms etc, always include the e-mail address: ILHQOttawa@forces.gc.ca in carbon copy (cc).

3. The Contractor must provide the following information to the DND Inbound Logistics contact when arranging for shipment:
- the Contract number;
 - consignee address (if multiple addresses, items must be packaged and labeled separately with each consignee address);
 - description of each item;
 - the number of pieces and type of packaging (e.g. carton, crate, drum, skid);
 - actual weight and dimensions of each piece type, including gross weight;

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- f. copy of the commercial invoice (in accordance with clause [C2608C](#), section 4, of the [Standard Acquisition Clauses and Conditions Manual](#)) or a copy of the Canada Border Services Agency form CI1 [Canada Customs Invoice](#) (PDF 429KB) - ([Help on File Formats](#));
 - g. [Schedule B](#) codes (for exports) and the Harmonized Tariff Schedule codes (for imports);
 - h. North American Free Trade Agreement Certificate of Origin (in accordance with clause C2608C, section 2) for the U.S. and Mexico only;
 - i. full details of dangerous material, as required for the applicable mode of transportation, signed certificates for dangerous material as required for shipment by the International Maritime Dangerous Goods Code, or International Air Transport Association regulations or the applicable Canadian [Dangerous Goods Shipping Regulations](#) and a copy of the safety data sheet.
4. Following receipt of this information by Canada, Canada will provide the appropriate shipping instructions, which may include the requirement for specific consignee address labelling, the marking of each piece with a Transportation Control Number and customs documentation.
 5. The Contractor must not ship goods before receiving shipping instructions from the DND Inbound Logistics contact.
 6. If the Contractor delivers the goods at a place and time that are not in accordance with the given delivery instructions or fail to fulfill reasonable delivery instructions given by Canada, the Contractor must reimburse Canada any additional expenses and costs incurred.
 7. If Canada is responsible for delays in delivering the goods, ownership and risk will be transferred to Canada upon expiry of either 30 days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or 30 days following the delivery date specified in the Contract, whichever is later.

6.20 Exchange rate fluctuation adjustment

1. The foreign currency component (FCC) is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuation. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
2. For each line item where a FCC is identified, Canada assumes the risks and benefits for exchange rate fluctuation, as shown in the Basis of Payment. For such items, the exchange rate fluctuation amount is determined in accordance with the provision of this clause.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment. The exchange rate adjustment amount will be calculated in accordance with the following formula:
Exchange rate adjustment = $FCC \times Qty \times (i_1 - i_0) / i_0$
where formula variables correspond to:

FCC

Foreign currency component (per unit)



Qty

quantity of units

i_0

Initial exchange rate (CAN\$ per unit of foreign currency [for example US\$1]).
The initial exchange rate is set as the Bank of Canada rate on the solicitation closing date. The Bank of Canada publishes its rates each business day by 16:30 Eastern Time.

i_1
Exchange rate for adjustments (ERA) (CAN\$ per unit of foreign currency [for example US\$1]).
The Bank of Canada publishes its rates each business day by 16:30 Eastern Time.

- a. The ERA for goods will be the Bank of Canada rate on the date the goods were delivered.
 - b. The ERA for services will be the Bank of Canada rate on the last business day of the month for which the services were performed.
 - c. The ERA for advance payments will be the Bank of Canada rate on the last business day prior to the payment. The last published business day rate will be used for non-business days.
4. The Contractor must indicate the total exchange rate adjustment amounts (whether they are upward, downward or present no change) as a separate item on each invoice or claim for payment submitted under the Contract. Where an adjustment applies, the Contractor must submit with their invoice form [PWGSC-TPSGC 450](#) , Claim for Exchange Rate Adjustments.
 5. The exchange rate adjustment will only impact the payment to be made by Canada where the exchange rate fluctuation is greater than 2% (increase or decrease), calculated in accordance with column 8 of form [PWGSC-TPSGC 450](#)  (that is $[i_1 - i_0] / i_0$).
 6. Canada reserves the right to audit any revision to costs and prices under this clause.

6.21 Equivalent Products – Contract

6.21.1 Equivalent Products – Contract

- (a) The Contractor guarantees that the equipment to be delivered under the Contract is:
 - (i) equivalent in form, fit, function and quality to the equipment requested by Canada that was described in the bid solicitation that resulted in the Contract
 - (ii) fully compatible, interchangeable and interoperable with the existing equipment owned by Canada.
- (b) The Contractor also guarantees that any warranties with third parties concerning the existing equipment owned by Canada will not be adversely affected by Canada's use of the equipment delivered under the Contract (for example, by interconnecting the equipment) or by any other services provided by the Contractor under the Contract. If Canada determines in its sole discretion that any such warranty has been adversely affected, at Canada's sole option, the Contractor must:
 - (i) pay to Canada the amount that Canada must pay to the original supplier (or an authorized reseller of that supplier) to re-certify Canada's existing equipment for warranty purposes and any other amounts paid by Canada to a third party in order to restore the equipment to full warranty status;
 - (ii) perform all warranty work on Canada's existing equipment in place of the original supplier; or

- (i) pay to Canada the amount that Canada must pay to the original supplier (or an authorized reseller of that supplier) to perform maintenance work on the equipment that otherwise would have been covered by the warranty.
- (c) The Contractor agrees that, during the Contract Period, if Canada determines that any of the equipment is not equivalent in form, fit, function and quality to the existing equipment owned by Canada or is not fully compatible, interchangeable and interoperable with the existing equipment owned by Canada, the Contractor must immediately and entirely at its own expense take all steps necessary to ensure that the equipment satisfies these requirements (for example, by implementing any additional software or firmware), failing which Canada will have the immediate right to terminate the Contract for default. The Contractor agrees that, if Canada terminates the Contract for this reason, the Contractor must pay to Canada the costs of reprocurring the equipment from a third party and the difference, if any, in price paid by Canada to the third party. The Contractor acknowledges that its failure to deliver equivalent equipment that satisfies the above requirements may result in the Contractor (as well as its affiliates and any other entities with whom the Contractor or its principals do not deal at arm's length) being unable to propose equivalent substitutes in response to future DND bid solicitations.

Note to Bidders: This article will only be included in a resulting contract if equivalent products have been proposed.

ANNEX "A" LINE ITEM DETAILS

Item	Description	Unit of Issue	Quantity	Destination Address	Invoice Address	Security Requirement	Quality Assurance Code (QAC)	Controlled Goods (CTAT or ITAR)	Trade Agreement
001	<p>NSN: 4820-21-9094829 Item Name: VALVE,BALL P/N: 05AFH44-6666TS-SW-S1-KV7036 NSCM/MFG: 38003, CANADIAN WORCESTER CONTROLS</p> <p>OR EQUIVALENT</p> <p>If offering an equivalent, please specify: P/N offered: Name of Manufacturer:</p>	EA	6	<p>Formation Commander HMC Dockyard Bldg D206 Door 1 thru 13 Halifax, NS B3K 5X5 Canada</p>	<p>Accounts Payable Dept. Of National Defence Maritime Forces Atlantic P.O. Box 99000, Stn Forces Halifax NS B3K 5X5 CANADA</p>	NO	C	NO	CFTA/NAFTA
002	<p>NSN: 4820-21-9094829 Item Name: VALVE,BALL P/N: 05AFH44-6666TS-SW-S1-KV7036 NSCM/MFG: 38003, CANADIAN WORCESTER CONTROLS</p> <p>OR EQUIVALENT</p> <p>If offering an equivalent, please specify: P/N offered: Name of Manufacturer:</p>	EA	18	<p>Base Commander CFB Esquimalt Bldg 66 Colwood Victoria, BC V9A 7N2 Canada</p>	<p>Accounts Payable Dept. of National Defence Base Logistics Officer CFB Esquimalt P.O. Box 17000, Stn Forces Victoria, BC V9A 7N2 Canada</p>	NO	C	NO	CFTA/NAFTA

ANNEX "A" LINE ITEM DETAILS

Item	Description	Unit of Issue	Quantity	Destination Address	Invoice Address	Security Requirement	Quality Assurance Code (QAC)	Controlled Goods (CTAT or ITAR)	Trade Agreement
003	NSN: 4820-21-9082586 Item Name: PARTS KIT, BALL VALVE P/N: 15 AFH RK44 TS CPF N1521 NSCM/MFG: 38003, CANADIAN WORCESTER CONTROLS OR EQUIVALENT If offering an equivalent, please specify: P/N offered: Name of Manufacturer:	KT	10	Formation Commander HMC Dockyard Bldg D206 Door 1 thru 13 Halifax, NS B3K 5X5 Canada	Accounts Payable Dept. Of National Defence Maritime Forces Atlantic P.O. Box 99000, Stn Forces Halifax NS B3K 5X5 CANADA	NO	C	NO	CFTA/NAFTA
004	NSN: 4820-21-9082586 Item Name: PARTS KIT, BALL VALVE P/N: 15 AFH RK44 TS CPF N1521 NSCM/MFG: 38003, CANADIAN WORCESTER CONTROLS OR EQUIVALENT If offering an equivalent, please specify: P/N offered: Name of Manufacturer:	KT	6	Base Commander CFB Esquimalt Bldg 66 Colwood Victoria, BC V9A 7N2 Canada	Accounts Payable Dept. of National Defence Base Logistics Officer CFB Esquimalt P.O. Box 17000, Stn Forces Victoria, BC V9A 7N2 Canada	NO	C	NO	CFTA/NAFTA

ANNEX "A" LINE ITEM DETAILS

Item	Description	Unit of Issue	Quantity	Destination Address	Invoice Address	Security Requirement	Quality Assurance Code (QAC)	Controlled Goods (CTAT or ITAR)	Trade Agreement
005	NSN: 4820-21-9081170 Item Name: PARTS KIT, BALL VALVE P/N: 05AFH RK44 TS CPF C OR 05AFH RK44 TS CPF N1522 NSCM/MFG: 38003, CANADIAN WORCESTER CONTROLS OR EQUIVALENT If offering an equivalent, please specify: P/N offered: Name of Manufacturer:	KT	2	Formation Commander HMC Dockyard Bldg D206 Door 1 thru 13 Halifax, NS B3K 5X5 Canada	Accounts Payable Dept. Of National Defence Maritime Forces Atlantic P.O. Box 99000, Stn Forces Halifax NS B3K 5X5 CANADA	NO	C	NO	CFTA/NAFTA
006	NSN: 4820-21-9081170 Item Name: PARTS KIT, BALL VALVE P/N: 05AFH RK44 TS CPF C OR 05AFH RK44 TS CPF N1522 NSCM/MFG: 38003, CANADIAN WORCESTER CONTROLS OR EQUIVALENT If offering an equivalent, please specify: P/N offered: Name of Manufacturer:	KT	1	Base Commander CFB Esquimalt Bldg 66 Colwood Victoria, BC V9A 7N2 Canada	Accounts Payable Dept. of National Defence Base Logistics Officer CFB Esquimalt P.O. Box 17000, Stn Forces Victoria, BC V9A 7N2 Canada	NO	C	NO	CFTA/NAFTA

ANNEX "A" LINE ITEM DETAILS

Item	Description	Unit of Issue	Quantity	Destination Address	Invoice Address	Security Requirement	Quality Assurance Code (QAC)	Controlled Goods (CTAT or ITAR)	Trade Agreement
007	NSN: 4820-21-9060791 Item Name: VALVE, SAFETY RELIEF P/N: F-116CN 2IN NSCM/MFG: 38798, MUESCO CANADA INC OR EQUIVALENT If offering an equivalent, please specify: P/N offered: Name of Manufacturer:	EA	5	Formation Commander HMC Dockyard Bldg D206 Door 1 thru 13 Halifax, NS B3K 5X5 Canada	Accounts Payable Dept. Of National Defence Maritime Forces Atlantic P.O. Box 99000, Stn Forces Halifax NS B3K 5X5 CANADA	NO	Q	NO	CFTA/NAFTA
008	NSN: 4820-21-9060791 Item Name: VALVE, SAFETY RELIEF P/N: F-116CN 2IN NSCM/MFG: 38798, MUESCO CANADA INC OR EQUIVALENT If offering an equivalent, please specify: P/N offered: Name of Manufacturer:	EA	5	Base Commander CFB Esquimalt Bldg 66 Colwood Victoria, BC V9A 7N2 Canada	Accounts Payable Dept. of National Defence Base Logistics Officer CFB Esquimalt P.O. Box 17000, Stn Forces Victoria, BC V9A 7N2 Canada	NO	Q	NO	CFTA/NAFTA

ANNEX "B" BASIS OF PAYMENT

Item	Description	Unit of Issue	Quantity	Destination Address	Invoice Address	FIRM UNIT PRICE: Customs and duties excluded, applicable taxes extra	EXTENDED PRICE: Applicable taxes extra	Applicable taxes	TOTAL PRICE: Applicable taxes Included
001	NSN: 4820-21-9094829 Item Name: VALVE,BALL	EA	6	Formation Commander HMC Dockyard Bldg D206 Door 1 thru 13 Halifax, NS B3K 5X5 Canada	Accounts Payable Dept. Of National Defence Maritime Forces Atlantic P.O. Box 99000, Stn Forces Halifax NS B3K 5X5 CANADA				
002	NSN: 4820-21-9094829 Item Name: VALVE,BALL	EA	18	Base Commander CFB Esquimalt Bldg 66 Colwood Victoria, BC V9A 7N2 Canada	Accounts Payable Dept. of National Defence Base Logistics Officer CFB Esquimalt P.O. Box 17000, Stn Forces Victoria, BC V9A 7N2 Canada				

ANNEX "B" BASIS OF PAYMENT

Item	Description	Unit of Issue	Quantity	Destination Address	Invoice Address	FIRM UNIT PRICE: Customs and duties excluded, applicable taxes extra	EXTENDED PRICE: Applicable taxes extra	Applicable taxes	TOTAL PRICE: Applicable taxes Included
003	NSN: 4820-21-9082586 Item Name: PARTS KIT, BALL VALVE	EA	10	Formation Commander HMC Dockyard Bldg D206 Door 1 thru 13 Halifax, NS B3K 5X5 Canada	Accounts Payable Dept. Of National Defence Maritime Forces Atlantic P.O. Box 99000, Stn Forces Halifax NS B3K 5X5 CANADA				
004	NSN: 4820-21-9082586 Item Name: PARTS KIT, BALL VALVE	EA	6	Base Commander CFB Esquimalt Bldg 66 Colwood Victoria, BC V9A 7N2 Canada	Accounts Payable Dept. of National Defence Base Logistics Officer CFB Esquimalt P.O. Box 17000, Stn Forces Victoria, BC V9A 7N2 Canada				

ANNEX "B" BASIS OF PAYMENT

Item	Description	Unit of Issue	Quantity	Destination Address	Invoice Address	FIRM UNIT PRICE: Customs and duties excluded, applicable taxes extra	EXTENDED PRICE: Applicable taxes extra	Applicable taxes	TOTAL PRICE: Applicable taxes Included
005	NSN: 4820-21-9081170 Item Name: PARTS KIT, BALL VALVE	EA	2	Formation Commander HMC Dockyard Bldg D206 Door 1 thru 13 Halifax, NS B3K 5X5 Canada	Accounts Payable Dept. Of National Defence Maritime Forces Atlantic P.O. Box 99000, Stn Forces Halifax NS B3K 5X5 CANADA				
006	NSN: 4820-21-9081170 Item Name: PARTS KIT, BALL VALVE	EA	1	Base Commander CFB Esquimalt Bldg 66 Colwood Victoria, BC V9A 7N2 Canada	Accounts Payable Dept. of National Defence Base Logistics Officer CFB Esquimalt P.O. Box 17000, Stn Forces Victoria, BC V9A 7N2 Canada				

ANNEX "B" BASIS OF PAYMENT

Item	Description	Unit of Issue	Quantity	Destination Address	Invoice Address	FIRM UNIT PRICE: Customs and duties excluded, applicable taxes extra	EXTENDED PRICE: Applicable taxes extra	Applicable taxes	TOTAL PRICE: Applicable taxes Included
007	NSN: 4820-21-9060791 Item Name: VALVE, SAFETY RELIEF	EA	5	Formation Commander HMC Dockyard Bldg D206 Door 1 thru 13 Halifax, NS B3K 5X5 Canada	Accounts Payable Dept. Of National Defence Maritime Forces Atlantic P.O. Box 99000, Stn Forces Halifax NS B3K 5X5 CANADA				
008	NSN: 4820-21-9060791 Item Name: VALVE, SAFETY RELIEF	EA	5	Base Commander CFB Esquimalt Bldg 66 Colwood Victoria, BC V9A 7N2 Canada	Accounts Payable Dept. of National Defence Base Logistics Officer CFB Esquimalt P.O. Box 17000, Stn Forces Victoria, BC V9A 7N2 Canada				

ANNEX "C" LONG TEXT DESCRIPTION

NSN: 4820-21-9094829:

ITEM NAME: VALVE,BALL

Characteristic	Reply
MATERIAL	BODY STEEL UNS J92900
MATERIAL	FLOW CONTROL DEVICE STEEL COMP 316
MATERIAL	SEAT PLASTIC POLYTETRAFLUOROETHYLENE
MATERIAL	STEM STEEL COMP 316
MATERIAL DOCUMENT AND CLASSIFICATION	BODY ASTM A351 GRAD ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION	FLOW CONTROL DEVICE ASTM A479 GRAD ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION	STEM ASTM A479 GRAD ASSN STD SINGLE MATERIAL RESPONSE
MEDIA FOR WHICH DESIGNED	SINGLE RESPONSE STEAM
MAXIMUM OPERATING PRESSURE	SINGLE RESPONSE 150.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING TEMP	SINGLE RESPONSE 204.0 DEG CELSIUS
VALVE OPERATION METHOD	MANUAL
CONNECTION TYPE	ALL ENDS UNTHREADED INTERNAL PIPE
NOMINAL PIPE SIZE ACCOMMODATED	ALL ENDS 0.5 INCHES
FURNISHED ITEMS AND QUANTITY	1 HANDLE
SPECIAL FEATURES	SHOCK QUALIFIED

NSN: 4820-21-9082586:

ITEM NAME: PARTS KIT,BALL VALVE

Characteristic	Reply
COMPONENT QUANTITY	14
NONSUPPLY ITEMS AND QUANTITIES	NSCM 38003;P/N 26171,BALL,EA 1;P/N 26173,STEM,EA 1;P/N 26175,SEAT,EA 2;P/N 26177,BODY SEAL,EA 2;P/N 26181,THRUST BEARING,EA 1;P/N 26183,STEM SEAL,EA 1;P/N 26185,FOLLOWER,EA 1;P/N 26187,BELLEVILLE WASHER,EA 2;P/N 26189,HEXAGON NUT,EA 2;P/N 27597,LIMIT SWITCH BRACKET,EA 1
END ITEM IDENTIFICATION	REPAIR KIT APPLICABLE TO 1 1/2 INCH BALL VALVE P/N 15AFH 44 4466TS SW S1

NSN: 4820-21-9081170:

ITEM NAME: PARTS KIT,BALL VALVE

Characteristic	Reply
COMPONENT QUANTITY	13
COMPONENT DOCUMENT ORIGIN	INDUSTRIAL
DOCUMENT SOURCE	38003
DOCUMENT TYPE	ENGINEERING DRAWING
DOCUMENT IDENTIFICATION	KD-007
NONSUPPLY ITEMS AND QUANTITIES	38003 26063 BALL 1,38003 26065 STEM 1,38003 26067 SEAT 2,38003 26069 BODY SEAL 2,38003 26071 THRUST BEARING 1,38003 26073 STEM SEAL 1,38003 26075 FOLLOWER 1,38003 26077 BELLEVILLE WASHER 2,38003 26079 HEXAGON NUT 2
END ITEM NAME	BALL VALVE
END ITEM SOURCE	38003
END ITEM IDENTIFICATION	AFH 44
SPECIAL FEATURES	FOR 0.500 INCH SIZE VALVE

NSN: 4820-21-9060791:

ITEM NAME: VALVE,SAFETY RELIEF

Characteristic	Reply
FACE TO FACE DISTANCE	8.2 INCHES
VALVE SIZE	2.0 INCHES
VALVE OPERATION METHOD	AUTOMATIC
CONNECTION TYPE	ALL ENDS FLANGE
FLANGE SHAPE	ALL ENDS ROUND WITH HOLES
NOMINAL OUTSIDE DIAMETER	ALL ENDS 6.0 INCHES
NOMINAL THICKNESS	ALL ENDS 0.75 INCHES
BOLT HOLE QUANTITY	ALL ENDS 4
BOLT HOLE NOMINAL DIAMETER	ALL ENDS 0.75 INCHES
BOLT CIRCLE NOMINAL DIAMETER	ALL ENDS 4.75 INCHES
RENEWABLE SEAT RING TYPE	THREADED
BONNET TYPE	INSIDE SPRING
BONNET ATTACHMENT METHOD	BOLTED
SPECIAL FEATURES	PILOT CONTROLLED; FURNISHED WITH ONE 1.0BAR CONTROL PILOT, ONE 3.2 BAR CONTROL PILOT AND ONE SELECTOR VALVE

**ANNEX "D" TO PART 3 OF THE BID SOLICITATION
ELECTRONIC PAYMENT INSTRUMENTS**

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

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