



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:

Fax / Télécopieur : (819) 997-9776  
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

### SOLICITATION AMENDMENT MODIFICATION A L'INVITATION

The referenced documents is hereby amended: unless otherwise indicated, all other terms and conditions of the contract remain the same

Ce contrat est par le présente modifié; sauf indication contraire, les modalités du contrat demeurent les mêmes.

The Vendor/Firm hereby accepts/acknowledges this amendment.  
Le fournisseur/entrepreneur accepte la présente modification/en accusé réception.

Signature \_\_\_\_\_ Date \_\_\_\_\_  
Name, title of person authorized to sign (type or print)  
Nome et titre du signataire autorisé (taper ou imprimer)

### Solicitation Closes – L'invitation prend fin

At – à : 14 :00 EDT

On - le : 20 / 04 / 2021

<b>Title/Titre:</b> High Pressure Air Dryer/Dessiccateur d'air à haute pression	
<b>Solicitation No. - N° de l'invitation</b> W8482-218424/A	<b>Amendment No. - N° de la modification</b> 001
<b>Client Reference No. - N° de référence du client</b>	<b>Date</b> April 20, 2021/20 avril 2021
<b>Financial Code(s) - Code(s) financier(s)</b> Fund C113, Fund Ctr 2183ED	
<b>Destination</b>  <b>Specified Herein / Précisé dans les présentes</b>	
<b>Invoices - Original must be completed and sent to:</b> <b>Factures – La facture originale doit être remplie et envoyée à :</b>  See herein	
<b>Address enquiries to: - Adresser toute demande de renseignements à :</b>  Ryan Fazzari, D Mar P 5-2-3-1 ryan.fazzari@forces.gc.ca	
<b>Telephone No. – N° de téléphone</b> N/A	<b>FAX No – N° de fax</b> N/A

Solicitation No. - N° de l'invitation

W8482-218424/A

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

W8482-218424

Amd. No. - N° de la modif.

File No. - N° du dossier

W8482-218424

Buyer ID - Id de l'acheteur

M59

CCC No./N° CCC - FMS No./N° VME

This Solicitation Amendment 001 is raised to:

- 1) Cancel the Department of National Defence's solicitation.
- 2) Shorten the bid closing date to April 20<sup>th</sup>, 2021.

**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.**

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## **PART 1 - GENERAL INFORMATION**

### **1.1 — Statement of Requirement**

The requirement is detailed under **Annex "A"** of the resulting contract clauses.

### **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 of:

<del>Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP)</del>	<del>(\$238,000.00)</del>
<del>The World Trade Organization Agreement on Government Procurement (WTO-AGP)</del>	<del>(\$238,000.00)</del>
<del>The Canada-European Union Comprehensive Economic and Trade Agreement (CETA)</del>	<del>(\$238,000.00)</del>
<del>Ukraine-Canada Free Trade Agreement</del>	<del>(\$238,000.00)</del>
<del>Peru-Canada Free Trade Agreement</del>	<del>(\$173,900.00)</del>
<del>Chile-Canada Free Trade Agreement</del>	<del>(\$108,400.00)</del>
<del>Colombia-Canada Free Trade Agreement</del>	<del>(\$108,400.00)</del>
<del>Honduras-Canada Free Trade Agreement</del>	<del>(\$108,400.00)</del>
<del>Panama-Canada Free Trade Agreement</del>	<del>(\$108,400.00)</del>
<del>Korea-Canada Free Trade Agreement</del>	<del>(\$100,000.00)</del>
<del>The Canadian Free Trade Agreement (CFTA)</del>	<del>(\$26,400.00)</del>

### **1.4 — epost Connect service**

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

## **PART 2 - BIDDER INSTRUCTIONS**

### **2.1 — Standard Instructions, Clauses and Conditions**

The ~~2003 (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements~~, are incorporated by reference into and form part of the bid solicitation.

The 2003 standard instructions is amended as follows:

- ~~Section 02, Procurement Business Number is deleted in its entirety.~~
- ~~Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:~~
  - ~~Delete: 60 days~~
  - ~~Insert: 90 days~~
- ~~Section 08, entitled Transmission by facsimile or by epost Connect, is now as follows:~~
  1. ~~Facsimile~~
    - a. ~~Unless specified otherwise in the bid solicitation, bids may be submitted by facsimile.~~

- ~~i. PWGSC, National Capital Region: The only acceptable facsimile number for responses to bid solicitations issued by PWGSC headquarters is 819-997-9776 or, if applicable, the facsimile number identified in the bid solicitation.~~
    - ~~ii. PWGSC regional offices: The facsimile number for responses to bid solicitations issued by PWGSC regional offices is identified in the bid solicitation.~~
  - ~~b. For bids transmitted by facsimile, Canada will not be responsible for any failure attributable to the transmission or receipt of the faxed bid including, but not limited to, the following:
    - ~~i. receipt of garbled, corrupted or incomplete bid;~~
    - ~~ii. availability or condition of the receiving facsimile equipment;~~
    - ~~iii. incompatibility between the sending and receiving equipment;~~
    - ~~iv. delay in transmission or receipt of the bid;~~
    - ~~v. failure of the Bidder to properly identify the bid;~~
    - ~~vi. illegibility of the bid; or~~
    - ~~vii. security of bid data.~~~~
  - ~~c. A bid transmitted by facsimile constitutes the formal bid of the Bidder and must be submitted in accordance with section 05.~~
- ~~2. epost Connect
  - ~~a. Unless specified otherwise in the bid solicitation, bids may be submitted by using the [epost Connect service](#) provided by Canada Post Corporation.
    - ~~i. PWGSC, National Capital Region: The only acceptable email address to use with epost Connect for responses to bid solicitations issued by PWGSC headquarters is: [tpsgc.dgareceptiondessomissions-abbidReceiving.pwgsc@tpsgc-pwgsc.gc.ca](mailto:tpsgc.dgareceptiondessomissions-abbidReceiving.pwgsc@tpsgc-pwgsc.gc.ca), or, if applicable, the email address identified in the bid solicitation.~~
    - ~~ii. PWGSC regional offices: The only acceptable email address to use with epost Connect for responses to bid solicitations issued by PWGSC regional offices is identified in the bid solicitation.~~~~
  - ~~b. To submit a bid using epost Connect service, the Bidder must either:
    - ~~i. send directly its bid only to the specified PWGSC Bid Receiving Unit, using its own licensing agreement for epost Connect provided by Canada Post Corporation; or~~
    - ~~ii. send as early as possible, and in any case, at least six business days prior to the solicitation closing date and time, (in order to ensure a response), an email that includes the bid solicitation number to the specified PWGSC Bid Receiving Unit requesting to open an epost Connect conversation. Requests to open an epost Connect conversation received after that time may not be answered.~~~~
  - ~~c. If the Bidder sends an email requesting epost Connect service to the specified Bid Receiving Unit in the bid solicitation, an officer of the Bid Receiving Unit will then initiate an epost Connect conversation. The epost Connect conversation will create an email notification from Canada Post Corporation prompting the Bidder to access and action the message within the conversation. The Bidder will then be able to transmit its bid afterward at any time prior to the solicitation closing date and time.~~
  - ~~d. If the Bidder is using its own licensing agreement to send its bid, the Bidder must keep the epost Connect conversation open until at least 30 business days after the solicitation closing date and time.~~
  - ~~e. The bid solicitation number should be identified in the epost Connect message field of all electronic transfers.~~
  - ~~f. It should be noted that the use of epost Connect service requires a Canadian mailing address. Should a bidder not have a Canadian mailing address, they may use the Bid Receiving Unit address specified in the solicitation in order to register for the epost Connect service.~~
  - ~~g. For bids transmitted by epost Connect service, Canada will not be responsible for any failure attributable to the transmission or receipt of the bid including, but not limited to, the following:~~~~

- ~~i. receipt of a garbled, corrupted or incomplete bid;~~
- ~~ii. availability or condition of the epost Connect service;~~
- ~~iii. incompatibility between the sending and receiving equipment;~~
- ~~iv. delay in transmission or receipt of the bid;~~
- ~~v. failure of the Bidder to properly identify the bid;~~
- ~~vi. illegibility of the bid;~~
- ~~vii. security of bid data; or,~~
- ~~viii. inability to create an electronic conversation through the epost Connect service.~~
- ~~h. The Bid Receiving Unit will send an acknowledgement of the receipt of bid document(s) via the epost Connect conversation, regardless of whether the conversation was initiated by the supplier using its own license or the Bid Receiving Unit. This acknowledgement will confirm only the receipt of bid document(s) and will not confirm if the attachments may be opened nor if the content is readable.~~
- ~~i. Bidders must ensure that that they are using the correct email address for the Bid Receiving Unit when initiating a conversation in epost Connect or communicating with the Bid Receiving Unit and should not rely on the accuracy of copying and pasting the email address into the epost Connect system.~~
- ~~j. A bid transmitted by epost Connect service constitutes the formal bid of the Bidder and must be submitted in accordance with section 05.~~

- ~~• Section 20, Further Information is deleted in its entirety.~~

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.

## **2.2 — SACC Manual Clauses**

~~[B1000T](#) (2014-06-26) — Condition of Material — Bid~~

~~[B3000T](#) (2006-06-16) — Equivalent Products~~

## **2.3 — Submission of Bids**

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

~~Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:~~

~~[tpsgc.dgareceptiondessaoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca](mailto:tpsgc.dgareceptiondessaoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca)~~

~~Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions 2003, or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.~~

## **2.4 — 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.~~

## **2.5 — Applicable Laws**

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

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

## **PART 3 – BID PREPARATION INSTRUCTIONS**

### **3.1 — Bid Preparation Instructions**

~~If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.~~

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

~~Section I: Technical Bid  
Section II: Financial Bid  
Section III: Certifications  
Section IV: Additional Information~~

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

~~Section I: Technical Bid (1 hard copy)  
Section II: Financial Bid (1 hard copy)  
Section III: Certifications (1 hard copy)  
Section IV: Additional Information (1 hard copy)~~

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

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

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

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

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

~~In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573). To assist Canada in reaching its objectives, bidders should:~~

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

### ~~Section I: Technical Bid~~

~~In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements 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.~~

### ~~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 “C”** Electronic Payment Instruments, to identify which ones are accepted.~~

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

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

#### ~~3.1.2 Exchange Rate Fluctuation~~

##### ~~[C3010T \(2014-11-27\), Exchange Rate Fluctuation Risk Mitigation](#)~~

- ~~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 Evaluation Procedures for Equivalent Products**

- ~~(a) This bid solicitation includes requirements to propose equipment (each, a Line Item) that has been specified by a 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 part number and more than one part number is listed as associated with a single Line Item, equivalency will be assessed against the first part number, referred to as the Item of Supply. Other part numbers listed under that Line Item will be considered to meet the requirement without requiring an assessment as an equivalent product.~~
- ~~(c) Proposed equipment that is a replacement part number (superseded or obsolete) from the Original Equipment Manufacturer of the Item of Supply 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) If a bidder intends to propose a part as an equivalent to a required Item of Supply, and it has or is able to obtain complete specifications for the Item of Supply, it must provide to Canada in its bid this Item of Supply specification, along with the specification established for its proposed equivalent. Canada may instruct the bidder to use the provided Item of Supply specification, or another specification provided by Canada, for the purposes of demonstrating equivalency. If the Item of Supply specification is provided by Canada to the bidder, it will be made available to all~~

~~bidders at the same time. During the evaluation period, the bidder must provide to Canada an analysis within seven business days of the request to do so, showing a comparison of the specification of its proposed equivalent part with the Item of Supply specification. The analysis must demonstrate that the proposed equivalent part is equivalent in fit, form, function, quality and performance to the required Item of Supply, that it meets any mandatory performance criteria identified in the solicitation, and that the proposed equivalent is fully compatible, interoperable and interchangeable with existing equipment identified in the bid solicitation. If the analysis submitted by the bidder does not demonstrate to the satisfaction of Canada such requirements, the bid will either be declared non-responsive, or will be subject to further evaluation if sampling is requested by Canada.~~

~~(e) It is the responsibility of the Bidder to include all information required to evaluate the proposed equivalent product 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 the product proposed.~~

~~(f) The bidder must provide the number of samples of its proposed equivalent part requested by Canada, transportation charges prepaid, and without charge to Canada, within three business days from the date of a request by the Contracting Authority:~~

~~(a) if no specifications for the Item of Supply acceptable to Canada are available for the assessment above, or~~

~~(b) if, in addition to the evaluation of the analysis submitted under paragraph 1, Canada wishes to perform testing on the proposed equivalent part to make its determination regarding whether the part is equivalent in form, fit, function, quality and performance. Canada also reserves the right to conduct testing regarding other aspects of equivalency, such as durability and interoperability, as compared to the Item of Supply. All tests will be documented by Canada. A sample submitted by a Bidder will remain the property of Canada and will not be considered as part of the deliverables in any resulting contract. If the testing does not demonstrate equivalency with respect to the aspects tested by Canada, the bid will be declared non-responsive.~~

~~(g) If:~~

~~\_\_\_\_\_ (i) \_\_\_\_\_ at least one bid is received proposing an equivalent part,~~

~~\_\_\_\_\_ (ii) \_\_\_\_\_ no acceptable specifications of the requested Item of supply are provided by the bidder proposing the equivalent,~~

~~\_\_\_\_\_ (iii) \_\_\_\_\_ no acceptable specifications of the requested Item of Supply are available to Canada, and~~

~~\_\_\_\_\_ (iv) \_\_\_\_\_ Canada is unable to test a sample for any reason (including that the Item of Supply being procured is new to use, or its interoperable parts are not available for use in testing),~~

~~then,~~

~~(i) if there are two (2) or more responsive bids in respect of the Item of Supply (not an equivalent), the evaluation process will be limited to those responsive bids.~~

~~(ii) if there are fewer than two (2) responsive bids, Canada will cancel the bid solicitation and then determine next steps, including whether specifications can reasonably be developed for the Item of Supply required by Canada.~~

B3010T (2010-01-11) Substitute Products – Samples (Department of National Defence)

~~If the Bidder offers a substitute product, Canada reserves the right to request a sample from the Bidder in order to determine its equivalency in form, fit, function, quality and performance to the item specified in the bid solicitation.~~

~~The Bidder must, upon request from the Contracting Authority, provide a sample to the Technical Authority, transportation charges prepaid, and without charge to Canada, within 14 calendar days from the date of request. The sample submitted by the Bidder will remain the property of Canada and will not be considered as part of the deliverables in any resulting contract. If the sample does not meet the requirements of the bid solicitation or the Bidder fails to comply with the request of the Contracting Authority, the bid will be declared non-responsive~~

#### ~~4.1.2 — Financial Evaluation~~

~~SACC Manual Clause [A0220T](#) (2014-06-26) Evaluation of Price – Bid~~

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

#### ~~4.2 — Basis of Selection~~

~~SACC Manual Clause ([A0272T](#)) (2010-08-16) Basis of Selection – Multiple Items~~

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

### **5.2.2 Federal Contractors Program for Employment Equity – Bid Certification**

~~By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](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#>).~~

~~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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#)" list at the time of contract award.~~

### **5.2.3 Additional Certifications Precedent to Contract Award**

#### **5.2.3.1 Integrity Provisions – List of Names**

~~Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.~~

~~Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).~~

~~Bidders bidding as societies, firms or partnerships do not need to provide lists of names.~~

#### **5.2.3.2 Canadian Military Technical Data (Shock test) – Equivalent Products**

~~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.~~

## **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**

**6.1.1** ~~There is no security requirement applicable to the Contract.~~

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## **6.2 — Statement of Requirement**

The Contractor must provide the items detailed 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 (2020-05-28) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.~~

~~"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 — 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 (2020-05-28) General Conditions - Goods (Medium Complexity)~~

### **6.3.3 — Delivery Date**

All the deliverables must be received on or before \_\_\_\_\_.

DND reserves the right to negotiate the delivery date to before or after March 31st, 2022.

### **6.3.4 — Delivery Points**

Delivery of the requirement will be made to delivery points specified at **Annex "A"** of the Contract.

## **6.4 — Authorities**

### **6.4.1 — Contracting Authority**

The Contracting Authority for the Contract is:

Name: \_\_\_\_\_ Ryan Fazzari  
Title: \_\_\_\_\_ Material Acquisition and Support Officer  
Department of National Defence  
Maritime Equipment Program Management  
Directorate: \_\_\_\_\_ D Mar P 5-2-2-2  
Address: \_\_\_\_\_ 101 Colonel By Drive, Ottawa, Ontario, K1A 0K2  
Email: \_\_\_\_\_ Ryan.Fazzari@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

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~~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.~~

#### **6.4.2 — Technical Authority**

The Technical Authority for the Contract is:

Name:  
Title: Technical Authority  
Department of National Defence  
Maritime Equipment Program Management  
Address: 101 Colonel By Drive  
Ottawa, Ontario, K1A 0K2  
Email: \_\_\_\_\_@forces.gc.ca

~~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.~~

#### **6.4.3 — Contractor's Representative**

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail: \_\_\_\_\_.

#### **6.5 — Quality Assurance**

~~A1009C (2008-05-12) Work Site Access~~

~~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.~~

#### **For all items**

~~D5540C (2019-05-30) ISO 9001:2015 Quality Management Systems - Requirements (Quality Assurance Code Q)~~

~~\_\_\_\_\_ D5510C (2017-08-17) Quality Assurance Authority (DND) - Canadian-based Contractor  
OR~~

~~\_\_\_\_\_ D5515C (2010-01-11) Quality Assurance Authority (DND) - Foreign-based and United States Contractor~~

~~\_\_\_\_\_ D5604C (2008-12-12) Release Documents (DND) - Foreign-based Contractor  
OR~~

~~\_\_\_\_\_ D5605C (2010-01-11) Release Documents (DND) - US-based Contractor  
OR~~

~~————— **D5606C** (2017-11-28) Release Documents (DND) — Canadian-based Contractor~~

~~Manufacturer Certificate of Conformity: The contractor is advised that in order to have his deliveries accepted and properly receipted the manufacturer Certificate of Conformity must accompany the shipment and be signed by a duly authorized person as designated by the equipment manufacturer. In addition to the signature his or her name must be written in block letters next to or below the signature.~~

~~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 5-4-2-6~~

- ~~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](mailto:ContractAdmin.DQA@forces.gc.ca)~~

**6.6 — Additional Markings**

~~**D2015C** (2010-01-11) Additional Package Markings — Identical~~

~~1. The Contractor must ensure that in addition to the required interior and exterior package markings, the following information is provided:~~

- ~~(a) Manufacturer's name~~
- ~~(b) drawing number/part number~~

~~2. These markings must be applied and positioned in accordance with Canadian Forces Packaging Specification D-LM-008-002/SF-001.~~

**6.7 — Packaging**

~~**D3018C** (2014-09-25) Packaging Requirement using Specification D-LM-008-036/SF-000~~

~~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 in quantities of 1 by package.~~

## **6.8 — Payment**

### **6.8.1 — Basis of Payment**

~~SACC Manual Clause C0207C (2013-04-25) Basis of Payment – Firm Price or Firm Unit Price(s)~~

~~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 contract. 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.~~

~~SACC Manual clause C4001C (2014-06-26) Travel and Living Expenses – No allowance for profit and overhead~~

~~SACC Manual clause H1001C (2008-05-12) Multiple Payments~~

### **6.8.2 — Limitation of Price**

~~SACC Manual clause C6000C (2017-08-17) Limitation of Price~~

### **6.8.3 — SACC Manual Clauses**

~~C2000C (2007-11-30) Taxes – Foreign based Contractor~~

~~C2605C (2008-05-12) Canadian Customs Duties and Sales Tax – Foreign based Contractor~~

~~C2608C (2019-05-30) Canadian Customs Documentation~~

~~C2610C (2007-11-30) Customs Duties – Department of National Defence – Importer (+\$250,000.00)~~

~~G1005C (2016-01-28) Insurance – No Specific Requirement~~

### **6.8.4 — 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);~~

## **6.9 — Invoicing Instructions**

~~SACC Manual clause H5001C (2008-12-12) 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.~~

~~Invoices must be submitted on the supplier's own invoice form and must be prepared to show:~~

- a) ~~The date~~
- b) ~~Name and address of the consignee(s)~~
- c) ~~Item number, quantity, part number, reference number and description~~
- d) ~~Contract numbers.~~

- ~~2. Invoices must be distributed as follows:~~



a. ~~\_\_\_\_\_ The original and one (1) copy must be forwarded to the consignee for certification and payment.~~

~~Ryan Fazzari  
Ryan.Fazzari@forces.gc.ca~~

## **6.10 — Certifications and Additional Information**

### **6.10.1 — 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.~~

### **6.11 — Applicable Laws**

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

### **6.12 — 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 DND Contract;~~
- ~~(b) 2010A (2020-05-28) General conditions: Goods (medium complexity);~~
- ~~(c) \_\_\_\_\_ The contractor's bid dated \_\_\_\_\_.~~

### **6.13 — Defence Contract**

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

### **6.14 — SACC Manual Clauses**

~~B7500C (2006-06-16) Excess Goods  
D2000C (2007-11-30) Marking  
D2001C (2007-11-30) Labelling  
D0050C (2007-05-25) End User Certificate  
A9062C (2011-05-16) Canadian Forces Site Regulations  
A9068C (2010-01-11) Government Site Regulations~~

### **6.15 — Shipping Instructions**

~~D0037C (2016-01-28) Shipping Instructions (DND) Canadian-Based Contractor~~

~~1. \_\_\_\_\_ Delivery will be FCA Free Carrier at \_\_\_\_\_ 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.~~

~~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 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, the International Air Transport Association regulations or the applicable Canadian Dangerous Goods Shipping Regulations, and a copy of the material 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 labeling, 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 thirty (30) days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or thirty (30) days following the delivery date specified in the Contract, whichever is later.~~

~~OR~~

~~\_\_\_\_\_ D0035C (2020-07-01) Shipping Instructions (DND) Foreign-Based Contractor~~

~~1. Delivery will be FCA Free Carrier at \_\_\_\_\_ 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.~~

~~Inbound Logistics Coordination Center (ILCC):  
Telephone: 1-877-447-7701 (toll free)  
Facsimile: 1-877-877-7409 (toll free)  
E-mail: ILHQOttawa@forces.gc.ca~~

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OR

Inbound Logistics United Kingdom (ILUK):  
Telephone: 011 44 1895 613023, or 011 44 1895 613024, or  
Facsimile: 011 44 1895 613047  
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.

OR

Inbound Logistics Europe Area (ILEA):  
Telephone: +49 (0) 2451 717199 or 717200  
Facsimile: +49 (0) 2451 717189  
Email: ILEA@forces.gc.ca

3. — The Contractor must provide the following information to the DND Inbound Logistics contact when arranging for shipment:

- a) — the Contract number;
- b) — consignee address (if multiple addresses, items must be packaged and labeled separately with each consignee address);
- c) — description of each item;
- d) — the number of pieces and type of packaging (e.g. carton, crate, drum, skid);
- e) — actual weight and dimensions of each piece type, including gross weight;
- 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 C11, Canada Customs Invoice;
- 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 material 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 labeling, 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 thirty (30) days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or thirty (30) days following the delivery date specified in the Contract, whichever is later.~~

#### **6.16 Exchange rate fluctuation adjustment**

##### C3015C (2017-08-17) 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 x Qty x (i<sub>1</sub> - i<sub>0</sub>) / i<sub>0</sub>  
where formula variables correspond to:~~

**FCC**

Foreign currency component (per unit)

**Qty**

quantity of units

**i<sub>0</sub>**


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<sub>1</sub>**

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~~

## **6.17 — Serialized Material**

### **Option 1:**

~~(1) The contractor shall record the Material Identification Data Set (MIDS) elements for all items itemized for delivery under this contract in the format provided in the MIDS document.~~

~~(2) The contractor shall electronically deliver the MIDS document as part of or prior to submission of the Advanced Shipping Notice to the Procurement Authority listed in the contract.~~

~~(3) The MIDS shall be electronically submitted as an XLS file.~~

## **6.18 — Equivalent Products — Contract**

~~(a) The Contractor guarantees that the equipment to be delivered under the Contract is:~~

~~(i) equivalent in form, fit, function, quality and performance to the equipment requested by Canada that was described in the bid solicitation that resulted in the Contract;~~

~~(ii) if required by DND in the documentation submitted by the Contractor to obtain this Contract, Technical Airworthiness Cleared through the Technical Airworthiness Certification process, and that the original equipment manufacturer of such equipment has been certified as an Acceptable Manufacturing Organization, all in accordance with the DND C-05-005-001/AG-001 Technical Airworthiness Manual, and the DND C05-005-P12/AM-001 AEPM Division Engineering Process Manual; and~~

~~(iii) fully compatible, interchangeable and interoperable with the existing equipment owned by Canada identified in the bid solicitation that resulted in this Contract.~~

~~(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~~

~~(iii) 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~~

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~~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.~~

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**ANNEX "A" - STATEMENT OF REQUIREMENT**

**ANNEX A**  
**STATEMENT OF WORK FOR THE**  
**HIGH PRESSURE AIR DRYER**  
**NSN: 99-980-9742**  
**FOR THE**  
**VICTORIA CLASS SUBMARINES**  
**CONTRACT NO. XXXXXXXX**  
**DATE: DD MONTH YEAR**



**NOTICE**

This documentation 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**

Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis de divulgation et les instructions de manutention reçues originalement doivent continuer de s'appliquer.

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## SCOPE

### Purpose

~~This Statement of Work (SOW) specifies the work to be carried out by the Contractor to provide Canada with replacement High Pressure Air Dryers (HPAD), associated support equipment and data installed at build on the Royal Canadian Navy's (RCN) Victoria Class Submarines (VCS).~~

### Background

~~The RCN's four VCS, HMCS Chicoutimi (CHI), HMCS Victoria (VIC), HMCS Windsor (WSR) and HMCS Corner Brook (COR) were designed in the 1980s and built and delivered in the late 1980s and early 1990s. Each VCS has one HPAD. These original HPADs have become unsupportable and need to be replaced.~~

~~The HPAD takes in moist air delivered from two (2) High Pressure Air Compressors and delivers dry air for storage into High Pressure Air Bottle Groups for use by air systems when required. Dry air is required to ensure operability of systems and to reduce corrosion within the storage bottles.~~

### HPAD Contract Objective

~~Canada is replacing the original unsupportable HPADs with modern, reliable, supportable fit, form, and function replacement HPADs. NSN: 99-980-9742 has been selected and qualified by Canada as the most appropriate replacement HPAD. A similar HPAD is now installed as a replacement HPAD on some Royal Navy (RN) submarines.~~

## Acronyms and Abbreviations

AIL	Action Item List
CA	Contract Authority
CAwd	Contract Award
CCP	Contract Change Proposal
CDRL	Contract Data Requirements List
CEAA	Canadian Environmental Assessment Act
CEIL	Contract End Items List
CFSS	Canadian Forces Supply System
CFTO	Canadian Forces Technical Orders
CHI	HMCS Chicoutimi
CI	Configuration Item
CM	Configuration Management
C of C	Certificate of Conformance
COR	HMCS Corner Brook
CSA	Configuration Status Account
CSA RPT	Configuration Status Account Report
DID	Data Item Description
DND	Department of National Defence
DOD	Department Of Defence
FAT	Factory Acceptance Test
FAT PRCED	Factory Acceptance Test Procedure
FAT RPT	Factory Acceptance Test Report
FCA	Functional Configuration Audit
FCA PRCED	Functional Configuration Audit Procedure
FCA RPT	Functional Configuration Audit Report
FOC	First of Class
FOS	Follow-On-Shipset
FMF	Fleet Maintenance Facility
FSR	Field Service Representative
GFI	Government Furnished Information
GQA	Government Quality Assurance
HAT	Harbour Acceptance Test
HAT PRCED	Harbour Acceptance Test Procedure
HAT RPT	Harbour Acceptance Test Report
HMCS	Her Majesty's Canadian Ship
HPAD	High Pressure Air Dryer

ILS	Integrated Logistics Support
ISW	Installation and Setting to Work
ISW PRCED	Installation and Set to Work Procedure
ISW RPT	Installation and Set to Work Report
ISO	International Standardization Organization
LRU	Line Replaceable Unit
MCN	Material Change Notice
ML	Material List
MRI	Master Record Index
NPMS	Naval Preventive Maintenance Schedules
PCA	Physical Configuration Audit
PCA PRCED	Physical Configuration Audit Procedure
PCA RPT	Physical Configuration Audit Report
PDF	Portable Document Format
PHST	Packaging, Handling, Storage and Transportation
PKO	Project Kick Off
PM	Project Manager
PPB	Provisioning Parts Breakdown
PRM	Project Review Meeting
PRODM	Production Manager
PRODT PLN	Production Test Plan
PRR	Production Readiness Review
PS	Project Schedule
PSB	Provisioning SPTATE Breakdown
PSR	Project Status Report
QA	Quality Assurance
QAA	Quality Assurance Authority
QAR	Quality Assurance Representative
QMS	Quality Management System
RCN	Royal Canadian Navy
RN	Royal Navy
RR	Risk Register
RSPL	Recommended Spare Parts List
SAT	Sea Acceptance Test
SAT PRCED	Sea Acceptance Test Procedure
SAT RPT	Sea Acceptance Test Report
SDS	Safety Data Sheets

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SE	Systems Engineering
SEM	Systems Engineering Manager
SOW	Statement of Work
SPTATE	Special Purpose Tools and Test Equipment
SRCL	Security Requirements Check List
SS	Shipset
SSMRS	Standard Ship Maintenance and Repair Specification
SSSPEC	Sub-System Specification
S/SSSPEC	System/Sub-System Specification
STW	Set-to-Work
TA	Technical Authority
TDP	Technical Data Package
TM	Technical Manual
TRR	Test Readiness Review
WBS	Work Breakdown Structure
WSR	HMCS Windsor
VCS	Victoria Class Submarines
VIC	HMCS Victoria
VISSC	Victoria In-Service Support Contract



## APPLICABLE DOCUMENTS

### Government Documents

The prescribed versions of the following documents are a part of this specification to the extent specified herein.

Table 1: List of Government Documents

Item	Document Number	Title
1.—	Bill C9 Chapter 9	An Act to amend the Transportation of Dangerous Goods Act, 1992
2.—	C-03-000-000/NQ-E01	Treasury Board hazmat policy & HFX Class G-1 spec (see paras 33,41 & 42)
3.—	A-EN-007-000/FP-001	Canadian Environmental Assessment Act
4.—	D-02-006-008/SG-001	The Design Change Deviation and Waiver Procedure
5.—	D-01-001-215/SF-000	Preparation of Material Change Notices (MCN) for the Canadian Forces
6.—	A-LM-505-001/AG-001	Guidance Manual, Integrated Logistics Support
7.—	D-LM-008-002/SF-001	Specification For Marking For Storage And Shipment
8.—	D-01-100-204/SF-008	Preparation of Naval Preventive Maintenance Schedules
9.—	D-01-100-204/SF-009	Specification of Naval Preventive Maintenance Schedules or Preventive Maintenance Schedules (RF)
10.—	D-01-100-231/SF-001	Specification of Standard Ship Maintenance and Repair Specifications
11.—	D-01-100-214/SF-000	Preparation of Provisioning Documentation
12.—	C-01-100-100/AG-006	Writing, Format, and Production of Technical Publications

### Non-Government Documents

Where a section of this SOW references a standard, the whole standard may or may not apply. Where the whole standard does not apply, the tailoring required by the Project Manager (PM) or Technical Authority (TA) will be indicated in the section. The Contractor must specify the extent of his compliance to the referenced standard in his proposal.

If any referenced standard has been superseded by a new revision or it has become obsolete and it has been replaced by a new standard or it has not been replaced, then the Contractor must propose the use of the latest revision or replaced standard or an equivalent standard respectively.

Table 2: List of Non-Government Documents

Item	Standard	Title
1.—	ISO 9001:2008	Quality Management System Requirements
2.—	ANSI/EIA-649-A	National Consensus Standard for Configuration Management
3.—	ANSI/EIA-649-B	Configuration Management Standard
4.—	MIL-STD-973	Configuration Management
5.—	MIL-STD-881-C	Work Breakdown Structures for Defense Material Items
6.—	MIL-HDBK-881A 30 July 2005	Department of Defence Handbook Work Breakdown structures for Defence Materials Items

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Item	Standard	Title
7.	MIL-STD-961E	Defence and Program – Unique Specifications Format and Content

#### Order of Precedence

~~In the event of a conflict between the documents in Tables 1 and 2, the SOW and the Product Specification, the following order of precedence must apply:~~

~~SOW;~~

~~Product Specification; and~~

~~The documents in Table 1 and Table 2.~~

~~In the event that the Contractor cannot resolve a precedence issue, the Contractor is to inform Contract Authority (CA) who will in turn seek resolution from the TA.~~

## GENERAL REQUIREMENTS

### Scope of Work

~~The Contractor must perform all activities necessary to manage, procure, manufacture, integrate, factory acceptance test, and deliver replacement HPADs (hereafter referred to as the HPAD) and their associated spares, special tools and test equipment, data and training in accordance with the contract meeting the NSN Product Specification at Appendix 3 to this SOW. As well, the Contractor must support the installation and commissioning of the HPAD in accordance with the contract.~~

### Tasks

~~Project Management (PM). The Contractor must execute HPAD PM tasks as detailed in Section 4 of the SOW.~~

~~Systems Engineering (SE). The Contractor must execute HPAD SE tasks as detailed in Section 5 of the SOW.~~

~~Production. The Contractor must execute HPAD production tasks as detailed in Section 6 of the SOW.~~

~~Installation and Set to Work (ISW). The Contractor must execute HPAD ISW tasks as detailed in Section 7 of the SOW.~~

~~Quality Assurance (QA). The Contractor must execute HPAD QA tasks as detailed in Section 8 of the SOW.~~

~~Configuration Management (CM). The Contractor must execute HPAD CM tasks as detailed in Section 9 of the SOW.~~

~~Integrated Logistics Support (ILS). The Contractor must execute HPAD ILS tasks as detailed in Section 10 of the SOW.~~

~~Acceptance Processes and Criteria. The Contractor must follow the HPAD acceptance process as identified in Section 11 of the SOW.~~

~~Data Deliverables. The Contractor must deliver the HPAD data as identified in Appendix 1 Contract Data Requirements List.~~

~~Shipsets and Depot Spare Shipsets. The Contractor must deliver HPAD shipsets and depot spare shipsets in the quantities identified in Table 3.~~

Table 3: Shipsets and Depot Spare Shipsets Deliverables

Item	Shipsets	Depot Spare Shipsets	Total
HPAD	4	2	6

~~On-Board and 2<sup>nd</sup> Line LRU Spares. The contractor must deliver on-board and 2<sup>nd</sup> line HPAD line replaceable unit (LRU) spares in the quantities identified in Table 4.~~

~~Table 4: On-Board, 2<sup>nd</sup> Line and Training System LRU Spares Deliverables~~

<del>Item</del>	<del>On-Board</del>	<del>2<sup>nd</sup> Line</del>	<del>Depot</del>	<del>Total</del>
<del>HPAD LRU Spares Sets</del>	<del>4</del>	<del>2</del>	<del>2</del>	<del>8</del>

~~Note: The spares sets are to be defined by the Contractor's Recommended Spare Parts Lists (RSPL) as agreed to by Canada.~~

~~Special Purpose Tools and Test Equipment. The contractor must deliver HPAD special purpose tools and test equipment (SPTATE) in the quantities identified in Table 5.~~

~~Table 5: Special Purpose Tools and Test Equipment (SPTATE) Deliverables~~

<del>Item</del>	<del>Ship</del>	<del>2<sup>nd</sup> Line</del>	<del>Depot</del>	<del>Total</del>
<del>SPTATE</del>	<del>4</del>	<del>2</del>	<del>2</del>	<del>8</del>

~~Note: The SPTATE is to be defined by the Contractor's recommended SPTATE List and as agreed to by Canada.~~

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### Constraints

~~Fit, Form, Function Compatibility. The HPAD must be fit and form compatible.~~

~~The HPAD must be functionally comparable with the unit it is replacing.~~

~~The HPAD must not include changes to those submarine systems, to which the HPAD is interfaced.~~

### Support Provided by Canada

~~Government Furnished Information (GFI). Canada, on Contract Award (CAwd), will provide to the Contractor the GFI identified in Section 2 Table 1 to this SOW.~~

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## PROJECT MANAGEMENT

### Project Management Program

~~The Contractor must implement and maintain a project management program for the duration of the contract.~~

~~The Contractor must closely coordinate the SE, QA, CM, and ILS activities to ensure optimized design and production for maximum system supportability at minimum life cycle costs.~~

~~The Contractor must designate a Project Manager (PM) with the responsibilities to coordinate, execute and manage the contractor's project management program for the contract.~~

~~The contractor's PM must have the total responsibility and authority to coordinate, execute and manage all Work required under the contract.~~

### Work Breakdown Structure (WBS)

~~The Contractor must prepare and deliver a WBS in accordance with CDRL-PM-01 and DID-PM-01.~~

~~The WBS must describe the Contractor's plan to satisfy the requirements of the Work within schedule.~~

### Project Schedule (PS)

~~The Contractor must prepare and deliver a PS in accordance with CDRL-PM-02 and DID-PM-02.~~

~~Once approved by Canada, the PS must be the governing document for scheduling activities.~~

### Data Exchange Management

~~The Contractor must implement a data exchange management program to control access and delivery of Contract data and deliverables.~~

### Project Meetings

~~Meetings' Organization and Coordination.~~

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

~~The Contractor's PM must be present at all meetings.~~

~~If the PM does not have final approval authority for decision making and changes, then the person that has that final approval authority must also be present at all meetings.~~

~~Meetings must be at pre-determined times agreed by the parties.~~

~~If the scheduled meeting conflicts with other obligations, then the Contractor must notify Canada in writing and present a work-around plan.~~

~~The Contractor must host all meetings at its facility unless mutually agreed to by all parties.~~

~~The Contractor may propose telephone conferences in lieu of face-to-face meetings when convenient.~~

### Meeting Documentation

~~The Contractor must prepare agenda(s) for all meetings and telephone conferences in accordance with CDRL-PM-03 and DID-PM-03.~~

~~The contractor must submit an electronic copy of the agenda to Canada's attendees at least five (5) working days in advance of any meeting.~~

~~In the case of unscheduled meetings, the Contractor must submit an electronic copy of the agenda in an agreed to time frame prior to any meeting.~~

~~Canada and the Contractor must mutually agree to the contents of the agenda.~~

~~The Contractor must prepare, update and submit any supporting documentation required to support a meeting at least five (5) working days in advance of any meeting.~~

~~The Contractor must record, prepare, and deliver minutes of every meeting and conference in accordance with CDRL-PM-04 and DID-PM-04.~~

~~The contractor must submit an electronic copy of the minutes to Canada within five (5) working days of any meeting.~~

~~Canada will advise the Contractor of any issues with the minutes within two (2) days of receiving the minutes. Minutes are accepted once signed by Canada.~~

~~No change to the SOW, Technical Specification, cost, and schedule, as defined in the Contract, may be authorized by the minutes of a meeting. Such action requires formal Contract amendment by the CA.~~

~~The Contract Authority (CA) may cancel any meeting at their discretion with a minimum of five (5) working days' notice.~~

~~The Contractor must reschedule meetings only with the explicit agreement of Canada.~~

~~The Contractor must maintain an Action Item List (AII) in order to maintain a historical, chronological and up-to-date list of issues and associated action items in accordance with CDRL-PM-05 and DID-PM-05. Issues and Action Items may result from reviews, meetings, or correspondence between the Contract Authority (CA) and the Contractor.~~

#### ~~Project Kick-Off Meeting~~

~~Within two (2) weeks of Contract Award (CAwd), the contractor must conduct a Project Kick-Off Meeting (PKO). The PKO meeting must include as a minimum, a review of the:~~

~~Project Deliverable Requirements;~~

~~Technical Requirements;~~

~~Project Schedule including Critical path activities;~~

~~Plans for activities during the following review period;~~

~~Risk management concerns and mitigation actions;~~

~~Issue management concerns and mitigation actions; and~~



~~Any other contractual or programmatic issues associated with the project as mutually agreed between Canada and the Contractor.~~

~~Progress Review Meetings. The Contractor must hold and chair Progress Review Meetings (PRMs) every six (6) weeks starting six (6) weeks after the Kick-Off Meeting.~~

~~The Contractor PM must attend all PRMs.~~

~~Other Scheduled Meetings. The Contractor must hold and chair other meetings as required to support system engineering and integrated logistic support.~~

~~The Contractor must identify and update these meetings in the PS. Canada's approval of the PS confirms Canada's intention to attend such meetings.~~

~~Other Unscheduled Meetings. The Contractor and Canada may schedule informal reviews, briefings and technical exchange meetings as required to achieve the requirements under the contract. When calling for and scheduling an unscheduled meeting, the party calling the meeting must provide the other party with advanced notice of the meeting.~~

~~Contract Closure Meeting. The Contractor must hold the Contract Closure Meeting at a time to be determined by Canada. This meeting must take place no later than one (1) year after acceptance of the last deliverable.~~

#### ~~Project Documentation~~

~~Problem Reporting. Should an issue arise that could cause a delay in the schedule or impact the contract, the Contractor must advise Canada by e-mail within three (3) working days of the issue arising. Upon such notification Canada will advise on the actions which are required.~~

#### ~~Security~~

~~Security Requirements. Contract requirements for personnel and facilities security clearances are identified in the contract's Security Requirements Check List (SRCL).~~

~~Access to Canada's Facilities. The Contractor may be provided site visit access to Canada's facilities, on an as required basis and non-interference basis, to allow the Contractor to view systems and obtain relevant data. Site visits may also be used to interview Canada's system subject matter experts (SMEs) to determine or confirm equipment functionality and operational parameters.~~

~~Visit Request Notice. The Contractor must provide at least eight (8) weeks' notice for any DND site visits.~~

SYSTEM ENGINEERING

## General

~~The Contractor must perform Systems Engineering (SE) activities and apply SE processes throughout the life cycle stages of the HP Air Dryer.~~

## System Engineering Management

~~The Contractor must designate a qualified person as the Systems Engineering Manager (SEM).~~

~~The SEM must be responsible for the Contractor's SE activities.~~

~~The Contractor must describe the plan to execute the project's engineering work must within the WBS and PS.~~

~~The Contractor must conduct the engineering activities in accordance with the PS.~~

~~The Contractor must hold and chair a Requirements Review (RR) meeting in conjunction with the Kick-Off Meeting (paragraph 4.6.3). The aim of the RR Meeting is review and secure a common understanding of the requirements expressed in the Product Specification and the Engineering, Test Plans and Procedures, Installation, Set to Work and Acceptance, Quality Assurance, Configuration Management and Integrated Logistics Support CDRLs and DIDs.~~

## Systems Engineering Tasks

~~The design and qualification of the NSN: 99-980-9742 HPAD is complete and has been accepted by Canada. The systems engineering tasks are related to the development and delivery of engineering data required by Canada.~~

~~Engineering Drawings and Associated Lists. The Contractor must develop, update and deliver engineering drawings of the HPAD and custom SPTATE in accordance with CDRL-ENG-01 and DID-ENG-01.~~

~~System/Subsystem Specifications (S/SSSPEC). The Contractor must develop and deliver an S/SSSPEC for the HPAD and any custom SPTATE's' requirements in accordance with CDRL-ENG-02 and DID-ENG-02.~~

~~Obsolescence. The Contractor must ensure that the design of the HPAD does not include parts that have become obsolete or are expected to become obsolete within seventeen (17) years after delivery of the first HPAD.~~

~~Dangerous/Hazardous Material. Dangerous/Hazardous Material is defined as any substance capable of posing a risk to health, safety, property or environment when stored, handled or transported, and is so classified in regulations governing transportation. Hazardous materials include (but are not limited to) dangerous goods identified at the reference Section 2 Applicable Documents Table 1 Items 1, 2 and 3.~~

~~The Contractor must use materials in the HPAD that are not dangerous/hazardous. Canada will review and assess the materials used and approve them for use in the VCS.~~

~~To facilitate Canada's review and assessment of the Contractor's proposed material, the contractor must provide a Material List (ML) and any associated Safety Data Sheets (SDS).~~

~~Material List/Material Assessment. The Contractor must develop, deliver and update a list of all materials used in the HPAD in accordance with CDRL-ENG-03 and DID-ENG-03.~~

~~Safety Data Sheets (SDS). The Contractor must, for any material assessed as Dangerous/Hazardous under Canada's Workplace Hazardous Material Legislation included in the HPAD, deliver for inclusion in the submarine's Workplace Hazardous Material Information System (WHMIS) that material's associated SDS in accordance with CDRL-ENG-04 and DID-ENG-04.~~

~~Production Test Plan (PRODT PLN). The Contractor must, for the HPAD and custom SPTATE, develop a Production Test Plan in accordance with the guidance in DID-TST-01 and deliver and update these Production Test Plans in accordance with GDRL-TST-01.~~

~~Factory Acceptance Test Procedure (FAT PRCED). The Contractor, for the HPAD and custom SPTATE, must develop a FAT PRCED in accordance with the guidance in DID-TST-02. The Contractor must deliver and update the FAT PRCEDs in accordance with CDRL-TST-02.~~

~~Test Readiness Reviews (TRR). Prior to the commencement of production test activities the Contractor must complete a TRR which:~~

~~Confirms the completeness of the test procedures;~~

~~Assures that the system (or system element) is ready for testing;~~

~~Assures that any Canada resources required are prepared for formal testing; and~~

~~Assures that the Contractor is prepared for formal testing.~~

~~Witnessing of Test Activities. The Contractor must invite Canada or representatives appointed by Canada to witness all Test activities.~~

~~Unless otherwise notified in writing by Canada, Canada or appointed representative(s) will witness system test activities.~~

~~Unless Canada has notified that it or its representative will not witness a test activity, the Contractor must not conduct the test activity in the absence of Canada or Canada's witness.~~

~~Unless otherwise agreed in writing by Canada, the Contractor must provide Canada with at least 45 Working Days advance notice of the start date and time of all Test activities.~~

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## PRODUCTION

### ~~Production General~~

~~Production Organization and Planning. The Contractor must establish and maintain within its company structure a discrete Production Organization (referred to as the "Contractor's Production Organization") with suitable capability to perform the Production aspects of the contract. The Contractor must execute the production work in accordance with the PS.~~

~~Production Manager (PRODM). The Contractor must have a dedicated PRODM responsible to the PM to carry out the production work required for this project. The Contractor's PRODM must have the authority to plan, direct, control and make decisions for the Contractor with respect to the production aspects of this project.~~

### ~~Production Readiness and Approval~~

~~Production Readiness Review (PRR). The Contractor must, for the HPAD and any custom SPTATE, conduct a PRR Meeting at the Contractor's facilities.~~

~~The PRR will review the Contractor's production arrangements for the HPAD and any custom SPTATE.~~

### ~~Production Tasks~~

~~Production of the Supplies. The Contractor must produce the HPADs, spares and SPTATE as identified in Table 3- HPAD Shipsets and Depot Spare Shipsets Deliverables, Table 4-HPAD On-Board and Depot LRU Spares, and Table 5- HPAD Special Purpose Tools and Test Equipment (SPTATE).~~

~~FAT. The Contractor must, for each production HPAD, and as applicable to spares, and SPTATE conduct a production FAT using the approved FAT Procedure.~~

~~FAT conduct must be witnessed by Canada's TA or delegated representative.~~

~~FAT Report (FAT RPT). The Contractor must, on successful completion of the FAT for the HPAD, and as required LRU spares and custom SPTATE, record the results in a FAT RPT prepared in accordance with the guidance contained in DID TST 03 and deliver these FAT Reports IAW CDRL PRD 01, CDRL PRD-02 and CDRL PRD-03 respectively.~~

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## INSTALLATION, SET TO WORK, ACCEPTANCE

### General

The 1<sup>st</sup> HPAD shipset (SS) will be initially installed on a First of Class (FOC) VCS to be identified by Canada's Department of National Defence (DND). Follow-on shipsets (FOS) will be installed on VCS subsequently identified by DND.

FOC and FOS testing must be witnessed and accepted by Canada's TA or delegated representative.

### Plans and Procedures

Installation and Set to Work Procedure (ISW PRCED). The Contractor must develop and deliver an HPAD ISW PRCED in accordance with CDRL-ISW-01 and DID-ISW-01.

Harbour Acceptance Test Procedure (HAT PRCED). The Contractor must develop and deliver a HAT PRCED IAW CDRL-ISW-02 and DID-ISW-02.

Sea Acceptance Test Procedure (SAT PRCED). The Contractor must develop and deliver HPAD SAT PRCED IAW CDRL-ISW-03 and DID-ISW-03.

### Tasks

#### General

Canada will be responsible for installation, setting to work, testing and acceptance of the FOC HPAD and FOS HPADs. The Contractor must provide Field Service Representative (FSR) support to Canada to advise and support Canada's implementing agency in these installation activities. Canada's implementing agency may be either a Navy Fleet Maintenance Facility (FMF) or a Victoria In-Service Support Contract (VISSC) Shipyard.

Canada will provide the Contractor thirty (30) days' notice of a scheduled requirement for FSR support. Given such notice, the Contractor must provide an FSR or as required FSRs to meet the scheduled requirement.

For planning purposes the Contractor is to assume that one (1) of these installations (a VCS SS) will take place in Halifax, Nova Scotia, and three (3) of these installations will take place in Esquimalt, British Columbia.

ISW. The Contractor must, for one (1) FOC shipset HPAD and three (3) FOS SS HPAD ISW, provide an FSR for one (1) week for each ISW, to advise and assist FMF or Shipyard personnel in the scheduled installation of each of the HPADs carried out in accordance with the approved ISW PRCED. The purpose of this support is to ensure that the ISW is being done in a manner that will allow the systems to be properly functionally tested on board the submarine during follow-on HATs and SATs.

ISW FSR RPT. The Contractor must, for each HPAD ISW supported by an FSR, produce and deliver ISW FSR RPTs in accordance with CDRL-ISW-04 and DID-ISW-00.

HAT. The Contractor must, for each SS HPAD HAT, provide an FSR for one (1) week to advise and assist RCN, FMF or shipyard personnel in the HAT of the HPAD carried out in accordance with the approved HAT PRCEDs. The purpose of this support is to ensure that the HAT is being done in a manner that will allow the systems to be properly functionally tested in follow-on SATs.

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~~HAT FSR RPT. The Contractor must, for each HPAD HAT supported by an FSR, produce and deliver an FSR HAT RPT in accordance with CDRL ISW 05 and DID ISW 00.~~

~~SAT. The Contractor must, for each SS HPAD SAT, provide an FSR for one (1) week to advise and assist RCN, FME or shipyard personnel in the SAT of the HPAD, carried out in accordance with approved SAT procedures. The purpose of this supervision is to ensure that the SAT is being done in a manner that will allow:~~

~~For the FOC SAT, the system's design to be finally accepted; and~~

~~For the FOS SATs, the system's installation design and installation to be finally accepted.~~

~~SAT FSR RPT. The Contractor must, for each HPAD SAT supported by an FSR, produce and deliver an FSR SAT RPT in accordance with CDRL ISW 06 and DID ISW 00.~~

~~Final Acceptance. On successful completion of the final FOS SAT of each HPAD shipset, Canada will provide the Contractor with a letter of acceptance of the HPAD.~~



## QUALITY ASSURANCE

### General

~~The Contractor must implement and maintain a Quality Management System (QMS) in accordance with the Contract Quality Assurance (QA) clauses.~~

~~The Contractor must develop a schedule of quality activities as part of the PS.~~

### Quality Management System

~~The Contractor must establish and maintain for the duration of the contract a QMS that complies with the process model for QMS requirements found at the reference Section 2 Applicable Documents Table 2 Item 1.~~

~~The Contractor must conduct quality activities in accordance with the Contractor's PS.~~

~~The Contractor must ensure that all approved subcontractors have a quality management system appropriate to the work required under the subcontract.~~

~~The Contractor must ensure that all work performed under a Subcontract meets the requirements of the QMS to be applied by the Contractor under Section 8.2.~~

### Quality Assurance and Audits

~~Government Quality Assurance. All work will be subject to Government Quality Assurance (GQA) at the Contractor's facility, at the Subcontractor(s), or at destination by the Quality Assurance Authority (QAA).~~

~~Quality Audits. Canada reserves the right to perform quality audits with a minimum of three (3) working days' notice. This requirement does not relieve the Contractor and/or Subcontractor(s) of QA responsibilities for the work carried out during the Contract. Canada reserves the right to use independent third parties to assist in these reviews.~~

### Design Change/Deviation and Waiver

#### Design Change/Deviation Requests/Authorization/Implementation

~~Requests for Design Change/Deviation. If the Contractor wishes to depart from the requirements of the technical data specified in the Contract, the Contractor must request either a design change or a deviation.~~

~~The Contractor may request this design change or deviation in Contractor format, or may, in accordance with the instructions found at the reference Section 2 Applicable Documents Table 1 Item 4, complete the reference's form DND 672.~~

~~The Contractor must submit requests for design change or deviation in accordance with CDRL-QA-01.~~

~~Authorization of Design Change/Deviation. Design Change or Design Deviation request will be authorized by Canada. Canada's TA has the sole right to deny authorization of a Design Change or Design Deviation. Should this right be exercised, all parties will be advised accordingly by an appropriately annotated copy of the Request for Design Change/Deviation Form.~~

~~Implementation of Design Change/Deviation. The Contractor must implement the design change or the design deviation on receipt of authorization.~~

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#### Waiver Requests/Authorization

~~Request for Waiver Authorization. When the Contractor wishes to request acceptance of items which are found during or after manufacture to depart from the technical data requirements of the contract, the Contractor must request a Waiver.~~

~~The Contractor may request this Waiver in Contractor format, or may, in accordance with the instructions found at the reference Section 2 Applicable Documents Table 1 Item 4, complete the reference's form DND-675.~~

~~Requests for Waiver must be submitted IAW CDRL QA-02.~~

~~Waiver Authorization. Waiver requests will be prepared by the Quality Assurance Representative (QAR) authorized by Canada's TA and Contracting Authority (CA). Canada's TA has the sole right to refuse the waiver request. Should this right be exercised, all parties will be advised accordingly by an appropriately annotated copy of the Request for Waiver Form.~~

#### Material Change Notice.

~~Where the design change/deviation/waiver results in new requirements for HPAD, spares or SPTATE, the Contractor must originate a Material Change Notice (MCN) in accordance with the instructions found at the reference Section 2 Applicable Documents Table 1 Item 5. MCNs will be submitted in accordance with CDRL QA-03 and must be reflected in the Contract by amendment.~~

## CONFIGURATION MANAGEMENT

### General

~~The Contractor must adhere to the CM principles identified at the reference Section 2 Applicable Documents Table 2 Items 2, 3 and 4.~~

~~The Contractor must develop and include a schedule of CM activities within the PS.~~

### Configuration Identification, Status, Baselines

~~The Contractor must develop, deliver and update a Configuration Status Account (CSA) IAW CDRL-CM-01 and DID-CM-01, for the HPAD, spares and SPTATE.~~

~~Configuration Identification. The Contractor must, for the HPAD, HPAD spares and SPTATE:~~

~~identify and recommend potential Configuration Items (CIs) to Canada; and~~

~~uniquely identify all documents that disclose the performance, functional and physical attributes of the HPAD, so that they may be accurately associated with the configuration baseline for the HPAD.~~

~~Configuration Baselines. The Contractor must, for the HPAD, develop and maintain at least the following configuration baselines during the Contract:~~

~~functional baseline;~~

~~allocated baseline; and~~

~~product baseline.~~

~~Once the functional, allocated and product baselines have been established and approved the Contractor must manage all design changes and deviations in accordance with Section 8.4 above.~~

~~The Contractor must, for any proposed change to a configuration baseline, ensure that all configuration baselines will be mutually consistent and compatible.~~

### Configuration Status Accounting

~~General. The Contractor must establish and maintain a CSA system that correlates, stores, and provides readily available views of all configuration information relating to the HPAD, spares and SPTATE and their configuration baselines.~~

~~Access to Contractor's CSA System. The Contractor must provide all facilities and assistance reasonably required by Canada in order for Canada to access the Contractor's CSA system for the duration of the Contract.~~

~~Configuration Status Accounting Reports (CSA RPT). The Contractor must develop CSA RPTs from the Contractor's CSA system and deliver these reports to Canada in accordance with CDRL-CM-02 and DID-CM-02.~~

~~Master Record Index (MRI). The Contractor must develop, deliver and update for the HPAD, and as required for associated spares and SPTATE, a MRI in accordance with CDRL-CM-03 and DID-CM-03.~~

## Configuration Audits

### ~~Functional Configuration Audit (FCA).~~

~~FCA Procedure (FCA PRCED). The Contractor must, for the HPAD and as required for associated spares and SPTATE, develop, in Contractor format a FCA PRCED and deliver and update FCA PRCEDs in accordance with CDRL-CM-04.~~

~~The Contractor must, for the HPAD, and as required for associated spares and SPTATE, conduct a FCA on the first delivered items.~~

~~FCA Report (FCA RPT). The Contractor must, for the HPAD and as required for associated spares and SPTATE, develop, deliver and as required update a FCA RPT IAW CDRL-CM-05 and DID-CM-04.~~

### ~~Physical Configuration Audit (PCA).~~

~~PCA Procedure (PCA PRCED). The Contractor must, for the HPAD and as required for associated spares and SPTATE, develop, in Contractor format a PCA PRCED and deliver and update a PCA PRCEDs in accordance with CDRL-CM-06.~~

~~The Contractor must, for the HPAD, and as required for associated spares and SPTATE, conduct a PCA on the first delivered items.~~

~~PCA Report (PCA RPT). The Contractor must, for the HPAD and as required for associated spares and SPTATE, develop, deliver and as required update a PCA RPT in accordance with CDRL-CM-07 and DID-CM-05.~~

## Audit Witnessing

~~At least 45 calendar days prior to each configuration audit, the Contractor must provide written notice to Canada of the time and location of the configuration audit such that Government representatives may witness and participate in the activities.~~

~~Unless otherwise notified in writing by Canada, a representative or appointed representative(s) must witness configuration audits that are conducted for the purpose of acceptance.~~

~~Unless Canada has notified that it will not witness a configuration audit the Contractor must not conduct that configuration audit in the absence of Canada or representative of Canada.~~

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INTEGRATED LOGISTICS SUPPORT

## General

~~The Contractor must carry out the ILS tasks identified in Section 10.2 below.~~

~~The Contractor must develop a schedule of ILS activities in support of these ILS tasks as part of the PS.~~

~~The Contractor must conduct ILS activities in accordance with the Contractor's PS.~~

## ILS Tasks

~~Naval Preventive Maintenance Schedules (NPMS). The Contractor must prepare a HPAD NPMS identifying 1<sup>st</sup> line (ship's staff) and 2<sup>nd</sup> line (repair facility) preventive maintenance tasks and deliver the HPAD NPMS in accordance with CDRL-ILS-01 and DID-ILS-01.~~

~~Standard Ship Maintenance and Repair Specifications (SSMRS). The Contractor must prepare a HPAD SSMRS meeting 3<sup>rd</sup> line (VISSC contractor through to repair and overhaul contractor) removal, repair and overhaul, and replacement maintenance tasks and deliver the HPAD SSMRS in accordance with CDRL-ILS-02 and DID-ILS-02.~~

~~Technical Data Package (TDP). The Contractor must, for the HPAD and any custom SPTATE, develop and deliver a TDP in accordance with CDRL-ILS-03 and DID-ILS-03.~~

## Delivery of the Supplies

### HPAD Delivery

~~The Contractor must deliver the HPADs as identified in Table 3 HPAD Shipsets and Depot Spare Shipsets.~~

### Spares

~~Recommended Spare Parts List (RSPL). The Contractor must develop and deliver an HPAD RSPL in accordance with CDRL-ILS-04 and DID-ILS-04.~~

~~RSPL Approval. The Contractor must, once Canada approves the HPAD RSPL, submit a Contract Change Proposal (CCP) to update Table 4 HPAD On-Board and Depot Level Spares in order to incorporate into the Contract the spares identified in the approved RSPLs.~~

~~Spares Production. The Contractor must procure or manufacture, test and deliver the approved HPAD spares as identified in the updated Table 4 HPAD On-Board and Depot Level Spares. On board spares must be delivered with each ship set. Depot level spares must be delivered in an agreed to time frame.~~

~~Provisioning Parts Breakdown (PPB). The Contractor must prepare and deliver a HPAD PPB in the electronic format required by the Canadian Forces Supply System (CFSS) in accordance with CDRL-ILS-05 and DID-ILS-05.~~

### Special Purpose Tools and Test Equipment (SPTATE)

~~Recommended SPTATE List. The Contractor must, in support of any required on-board or depot level maintenance, develop and deliver a HPAD SPTATE list IAW CDRL-ILS-06 and DID-ILS-06.~~

~~SPTATE Approval. The Contractor must, once Canada approves the SPTATE lists, submit a CCP to update Table 5-HPAD Special Purpose Tools and Test Equipment to incorporate into the Contract the SPTATE identified in the Approved SPTATE list.~~

~~SPTATE Production. The Contractor must procure or design, manufacture, test and deliver the approved SPTATE as identified in the updated Table 5-HPAD Special Purpose Tools and Test Equipment. All SPTATE must be delivered with the first shipset.~~

~~Provisioning SPTATE Breakdown. The Contractor must prepare and deliver a Provisioning SPTATE Breakdown (PSB) in the electronic format required by the CFSS in accordance with CDRL-ILS-07 and DID-ILS-07.~~

~~Packaging Handling Storage and Transportability (PHST)~~

~~Conduct of PHST. The Contractor must conduct PHST in accordance with the reference at Section 2, Table 1 and Item 6.~~

~~Packaging Methods and Level. The Contractor must ensure that packaging of the supplies will provide protection for a minimum of five (5) years, consistent with good economy, against damage, deterioration, and loss of identification during storage, handling and shipment.~~

~~Marking of Packages. The Contractor must mark all packages, shipping containers and consolidation containers in accordance with the reference at Section 2, Table 1, Item 7, as applicable.~~

~~Marking of Dangerous/Hazardous Items. The Contractor must make Dangerous/Hazardous Items as follows:~~

~~Shipping Container: "In accordance with the Canada's Transportation of Dangerous Goods Act"; and~~

~~Immediate Product Container: "In accordance with Canada's Hazardous Products Act, Controlled Products Regulation.~~

~~Shelf Life of Items. The Contractor must mark the individual package for Shelf Life Item with:~~

~~Date of manufacture;~~

~~The Shelf Life expiry date;~~

~~The storage environment restrictions (e.g. no freezing, no sunlight);~~

~~Any storage requirements (e.g. rotate every 20 weeks); and~~

~~Cure date.~~

~~Contract End Items List (CEIL). The Contractor must, for the delivered HPADs, spares and SPTATE, provide a CEIL for these items developed or acquired under this SOW in accordance with CDRL-ILS-08 and DID-ILS-08.~~

~~Technical Manuals (TM). The Contractor must develop and deliver TMs, in the English language IAW CDRL-ILS-09 and DID-ILS-09.~~

~~Training Documentation. The Contractor must, for the HPAD, develop and deliver operations and maintenance training documentation, in the English language, to be used for training in accordance with CDRL-ILS-10 and DID-ILS-10.~~

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## ACCEPTANCE

### ~~Acceptance of Deliverable Data Items~~

~~Contractor's Production and Delivery. The Contractor must produce, update and deliver to Canada all data items required by this SOW in accordance with the CDRL at Appendix 1 to this SOW. The Contractor must ensure that the document submitted consists of a complete document compliant with the requirements of the deliverable data item defined in that item's DID which can be found at Appendix 2 to this SOW.~~

~~Canada's Review and Acceptance. Data Items delivered to Canada in accordance with this SOW will be subject to review and comments or review and acceptance by Canada. Unless otherwise indicated, Canada's review will take no more than ten (10) working days from the receipt of the Data Item, at which time, Canada will either accept the document or provide comments requiring further clarification by the Contractor prior to document acceptance.~~

~~Contractor's Clarification. In the event that Canada has provided comments the Contractor must address Canada's comments, and provide, within ten (10) working days either a response, satisfactory to Canada with no data deliverable update required, or an agreed to updated data deliverable.~~

~~Canada's Review and Approval of Contractor's Clarification. Canada, on receipt of a satisfactory no update required response, or on receipt of an agreed to updated data deliverable, will take no more than ten (10) working days to review and accept the updated data deliverable.~~

### ~~Acceptance of the HPADs, Spares and SPTATE~~

~~The HPADs, spares and SPTATE will be inspected on receipt by Canada and provided they pass visual inspection and the accompanying paperwork (including any required test reports and certificates of conformance (C of C)) is complete, they will be accepted.~~

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**DELIVERY**

**HPADs, Spares and SPTATE**

The Contractor must deliver the HPADs, spares and SPTATE to both Halifax, Nova Scotia and Esquimalt, British Columbia as follows:

Item	Halifax	Esquimalt
HPAD Shipset	1	3
HPAD Depot Spare Shipsets	1	1
Ship HPAD LRU Spares Sets	1	3
2 <sup>nd</sup> Line HPAD LRU Spare Sets	1	1
Depot HPAD LRU Spares Sets	1	1
Ship HPAD SPTATE	1	3
2 <sup>nd</sup> Line HPAD SPTATE	1	1
Depot HPAD SPTATE	1	1

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~~ANNEXA APPENDIX 1~~

~~CONTRACT DATA REQUIREMENTS LIST~~

~~HP AIR DRYERS~~

~~NSN: 99-980-9742~~

~~FOR THE~~

~~VICTORIA CLASS SUBMARINES~~

~~CONTRACT NO. XXXXXXXX~~

~~DATE: DD MONTH YEAR~~



**NOTICE**

~~This documentation 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**

~~Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis de divulgation et les instructions de manutention reçues originalement doivent continuer de s'appliquer.~~

~~LIST OF EFFECTIVE PAGES~~

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~~Insert latest changed pages, dispose of superseded pages In Accordance With (IAW) applicable orders.~~

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**NOTE**

On a changed page, the portion of the text affected by the latest change is indicated by a vertical line in the margin of the page.

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Date of issue for original and changed pages are:

~~Change ...1.0... DD Month 2020~~

A zero in Change No. column indicates an original page. The Total number of pages in this Appendix 1 CDRL is 20 consisting of the following:

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## SCOPE

### General

~~Purpose. The purpose of the High Pressure Air Dryer (HPAD) Contract Data Requirements List is to provide a list and schedule of all Contract data deliverables. Preparation instructions for the data deliverables are contained in Data Item Description (DID) found in Appendix 2 to this SOW.~~

~~Document Changes/Updates. All deliverable documents must be prepared and updated as required by the Contract Data Requirements Lists (CDRL). All changes to updated versions of documents must be identified as follows:~~

~~On a change page indicating page numbers, paragraphs numbers, date of change and reason for change;~~

~~Within the hard copy, by use of change bars in the side margins of the printed document; and~~

~~Within a soft copy, using a method appropriate to the authoring tools that clearly differentiates old contents from new or revised content.~~

~~Deliverable Format and Number of Copies. The deliverable format and number of copies required for the CDRL are defined within the CDRL. Soft copies of deliverable documentation must be delivered in both Portable Document Format (PDF) and in original editable source file format, e.g. Microsoft Word 2010.~~

~~Abbreviations. The abbreviations found in A2 Table 1 below are used in CDRL entries and their DIDs.~~

<del>A</del>	<del>Approval</del>	<del>PCA</del>	<del>Physical Configuration Audit</del>
<del>AT</del>	<del>Acceptance Test</del>	<del>PDR</del>	<del>Preliminary design Review</del>
<del>CAwd</del>	<del>Contract Award</del>	<del>R</del>	<del>Review</del>
<del>CDR</del>	<del>Critical Design Review</del>	<del>SRR</del>	<del>System Requirements Review</del>
<del>†</del>	<del>Information only</del>	<del>STW</del>	<del>Set To Work</del>
<del>M</del>	<del>Calendar month</del>	<del>wd</del>	<del>Working Day</del>

~~A2 Table 1 Abbreviations Found in SRA CDRLs and DIDs~~



**CONTRACT DATA REQUIREMENTS LIST SUMMARY**

**Project Management CDRL Summary**

Project Management CDRLs					
CDRL #	DID #	Deliverable	Review Level	Due	Section in SOW
CDRL-PM-01	DID-PM-02	Project Work Breakdown Structure (WBS)	R	Proposal	4.2.1
CDRL-PM-02	DID-PM-02	Project Schedule (PS)	A	Proposal With PRMs	4.3.1
CDRL-PM-03	DID-PM-03	Meeting Agenda	A	Meeting— 5 wd	4.5.2.1
CDRL-PM-04	DID-PM-04	Meeting Minutes	A	Meeting or Meeting + 5 wd	4.5.2.6
CDRL-PM-05	DID-PM-05	Action Item List	A	With Meeting Minutes	4.5.2.12

**Engineering CDRL Summary**

Engineering CDRLs					
CDRL #	DID #	Deliverable	Review Level	Due	Section in SOW
CDRL-ENG-01	DID-ENG-01	Engineering Drawings and Associated Lists	R	Proposal RR Meeting-10wd PRR-10wd with TDP	5.2.2
CDRL-ENG-02	DID-ENG-02	System/Sub-System Specifications	A	Proposal RR Meeting-10wd PRR-10wd With TDP	5.2.3
CDRL-ENG-03	DID-ENG-03	Material Lists	R	RR Meeting-10 wd PRR-10 wd With TDP	5.2.8
CDRL-ENG-04	DID-ENG-04	Safety Data Sheets	R	RR Meeting— 10 wd PRR-10 wd With TDP	5.2.9

**Test Plans, Procedures and Reports CDRL Summary**

Test CDRLs					
CDRL #	DID #	Deliverable	Review Level	Due	Section in SOW
CDRL-TST-01	DID-TST-01	Production Test Plan	A	RR—10 wd	5.2.10
CDRL-TST-02	DID-TST-02	Factory Acceptance Test Procedure	A	FAT—20 wd	5.2.11

**Production CDRL Summary**

Production CDRLs					
CDRL #	DID #	Deliverable	Review Level	Due	Section in SOW
CDRL-PRD-01	DID-TST-03	HPAD FAT Reports	A	Unit FATs + 10 wd	6.3.4
CDRL-PRD-02	DID-TST-03	HPAD Spares FAT Reports	A	Spares FATs + 10 wd	6.3.4
CDRL-PRD-03	DID-TST-03	HPAD SPTATE FAT Reports	A	SPTATE FATs +10 wd	6.3.4

**Installation, Set to Work and Acceptance CDRL Summary**

Installation, Set to Work and Acceptance CDRLs					
CDRL #	DID #	Deliverable	Review Level	Due	Section in SOW
CDRL-ISW-01	DID-ISW-01	Installation and Set to Work Procedures	A	PRR-10 wd	7.2.1
CDRL-ISW-02	DID-ISW-02	Harbour Acceptance Test Procedures	A	PRR-10 wd	7.2.2
CDRL-ISW-03	DID-ISW-03	Sea Acceptance Test Procedures	A	PRR-10 wd	7.2.3
CDRL-ISW-04	DID-ISW-00	Installation and Set to Work FSR Reports	A	ISW + 10 wd	7.3.3
CDRL-ISW-05	DID-ISW-00	Harbour Acceptance Test FSR Reports	A	HAT + 10 wd	7.3.5
CDRL-ISW-06	DID-ISW-00	Sea Acceptance Test FSR Reports	A	SAT + 10 wd	7.3.7

**Quality Assurance CDRL Summary**

Quality Assurance CDRLs					
CDRL #	DID #	Deliverable	Review Level	Due	Section in SOW
CDRL-QA-01	N/A	Request for Design Change or Deviation	A	Event + 5wd	8.4.1.3
CDRL-QA-02	N/A	Request for Waiver	A	Event + 5wd	8.4.2.3
CDRL-QA-03	N/A	Material Change Notice	A	Event + 5wd	8.4.3.1

**Configuration Management CDRL Summary**

Configuration Management CDRLs					
CDRL #	DID #	Deliverable	Review Level	Due	Section in SOW
CDRL-CM-01	DID-CM-01	Configuration Status Account	R	PRR-10-wd Production Complete +20-wd Production Complete + 20-wd	9.2.1
CDRL-CM-02	DID-CM-02	Configuration Status Account (CSA) System Report	A	PRR-10-wd Production Complete + 20-wd	9.3.3
CDRL-CM-03	DID-CM-03	Master Record Indices (MRI)	A	PRR-10-wd Production Complete + 20-wd	9.3.4
CDRL-CM-04	N/A	Functional Configuration Audit Procedures	A	FCA-20-wd	9.4.1.1
CDRL-CM-05	DID-CM-04	Functional Configuration Audit Reports	A	FCA+ 10-wd	9.4.1.3
CDRL-CM-06	N/A	Physical Configuration Audit Procedures	A	PCA-20-wd	9.4.2.1
CDRL-CM-07	DID-CM-05	Physical Configuration Audit Report	A	PCA + 10wd	9.4.2.3

Integrated Logistics Support CDRL Summary

Integrated Logistics Support CDRLs					
CDRL #	DID #	Deliverable	Review Level	Due	Section in SOW
CDRL-ILS-01	DID-ILS-01	Naval Preventive Maintenance Schedules (NPMS)	A	PRR — 10 wd	10.2.1
CDRL-ILS-02	DID-ILS-02	Standard Ship Maintenance and Repair Specifications (SSMRS)	A	PRR — 10 wd	10.2.2
CDRL-ILS-03	DID-ILS-03	Technical Data Packages	A	1 <sup>st</sup> Shipset Delivery +10 wd	10.2.3
CDRL-ILS-04	DID-ILS-04	Recommended Spare Parts Lists (RSPL)	A	Proposal	10.2.4.2.1
CDRL-ILS-05	DID-ILS-05	Provisioning Parts Breakdowns (PPB)	A	With Spares delivery	10.2.4.2.4
CDRL-ILS-06	DID-ILS-06	Recommended Special Purpose Tools and Test Equipment (SPTATE) Lists	A	Proposal	10.2.5.1.1
CDRL-ILS-07	DID-ILS-07	Provisioning SPTATE Breakdown (PSB)	A	With SPTATE delivery	10.2.5.1.4
CDRL-ILS-08	DID-ILS-08	Contract End Item List	A	With final Shipset delivery	10.2.6.6
CDRL-ILS-09	DID-ILS-09	Technical Manuals	A	PRR — 10 wd	10.2.7
CDRL-ILS-10	DID-ILS-10	Training Documentation	A	1 <sup>st</sup> Course — 20 wd 2 <sup>nd</sup> Course — 20 wd	10.2.8

**CDRL Details**

**Project Management CDRL Details**

1	Sequence Number	PM-01
2	Title or Description Number	Work Breakdown Structure
3	Data Item Description Number	DID-PM-01
4	Reference	SOW Section 4.2.1
5	First Submission	With Proposal
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	PM Review/Approval	Yes/No
8	Delivery Venue	Email
9	Review/Approval Lead Time	NA/NA
10	Subsequent Submission	PKO-10 wd if updates required
11	Remarks	N/A

1	Sequence Number	PM-02
2	Title or Description Number	Project Schedule
3	Data Item Description Number	DID-PM-02
4	Reference	SOW Section 4.3.1
5	First Submission	With Proposal
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	PM Review/Approval	Yes/Yes
8	Delivery Venue	Email
9	Review/Approval Lead Time	NA/NA
10	Subsequent Submission	With Project Review Meetings
11	Remarks	N/A

1	Sequence Number	PM-03
2	Title or Description Number	Meeting Agenda
3	Data Item Description Number	DID-PM-03
4	Reference	SOW Section 4.5.2.1
5	First Submission	At Meeting or meeting + 5 wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	PM Review/Approval	Yes/Yes
8	Delivery Venue	Email
9	PM Review/Approval Lead Time	5 wd / 5wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	PM-04
2	Title or Description Number	Meeting Minutes
3	Data Item Description Number	DID-PM-04
4	Reference	SOW Section 4.5.2.6
5	First Submission	Meeting—5 wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	PM Review/Approval	Yes/Yes
8	Delivery Venue	Email
9	PM Review/Approval Lead Time	5 wd / 5wd
10	Subsequent Submission	N/A
11	Remarks	If possible, minutes should be distributed at the end of the meeting and signed by responsible parties. Where not possible, Review and Approval run concurrently.

1	Sequence Number	PM-05
2	Title or Description Number	Action Item List
3	Data Item Description Number	DID-PM-05
4	Reference	SOW Section 4.5.2.12
5	First Submission	With Meeting Minutes
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	PM Review/Approval	Yes/Yes
8	Delivery Venue	Email
9	PM Review/Approval Lead Time	5 wd / 5wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

Engineering CDRL Details

1	Sequence Number	ENG-01
2	Title or Description Number	Engineering Drawings and Associated Lists
3	Data Item Description Number	DID-ENG-01
4	Reference	SOW Section 5.2.2
5	First Submission	RR Meeting—10 wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	PM Review/Approval	Yes/Yes
8	Delivery Venue	Email
9	PM Review/Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently.

1	Sequence Number	ENG-02
2	Title or Description Number	System/Subsystem Specifications
3	Data Item Description Number	DID-ENG-02
4	Reference	SOW Section 5.2.3
5	First Submission	RR Meeting—10 wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	PM Review/Approval	Yes/Yes
8	Delivery Venue	Email
9	PM Review/Approval Lead Time	10 wd / Review Event + 10 wd
10	Subsequent Submission	PRR—10 wd and with TDP
11	Remarks	N/A

1	Sequence Number	ENG-03
2	Title or Description Number	Material Lists
3	Data Item Description Number	DID-ENG-03
4	Reference	SOW Section 5.2.8
5	First Submission	RR Meeting—10 wd
6	Number of Copies/Format	1 / Soft Copy in MS Excel and PDF
7	PM Review/Approval	Yes/Yes
8	Delivery Venue	Email
9	PM Review/Approval Lead Time	10 wd / Review Event + 10 wd
10	Subsequent Submission	PRR Meeting—10 wd and with TDP
11	Remarks	Review and Approval run concurrently.

1	Sequence Number	ENG-04
2	Title or Description Number	Safety Data Sheets
3	Data Item Description Number	DID-ENG-04
4	Reference	SOW Section 5.2.9
5	First Submission	PDR Meeting—10 wd
6	Number of Copies/Format	1 / Soft Copy in PDF
7	PM Review/Approval	Yes/Yes
8	Delivery Venue	Email
9	PM Review/Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	CDR Meeting—10 wd and with TDP
11	Remarks	N/A

Test Plans, Procedures and Reports CDRL Details

1	Sequence Number	TST-01
2	Title or Description Number	Production Test Plan
3	Data Item Description Number	DID-TST-01
4	Reference	SOW Section 5.2.10
5	First Submission	RR—10wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	TST-02
2	Title or Description Number	Factory Acceptance Test Procedures
3	Data Item Description Number	DID-TST-02
4	Reference	SOW Section 5.2.11
5	First Submission	FAT—20wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

Production CDRL Details

Solicitation No. - N° de l'invitation  
W8482-218424/A  
Client Ref. No. - N° de réf. du client  
W8482-218424

Amd. No. - N° de la modif.  
001  
File No. - N° du dossier  
W8482-218424

Buyer ID - Id de l'acheteur  
M59  
CCC No./N° CCC - FMS No./N° VME

1	Sequence Number	PROD - 01
2	Title or Description Number	FAT Reports <del>one for each production unit</del>
3	Data Item Description Number	DID-TST-03
4	Reference	SOW Section 6.3.4
5	First Submission	FAT + 10wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	PROD - 02
2	Title or Description Number	FAT Reports <del>spares, one for each spare</del>
3	Data Item Description Number	DID-TST-03
4	Reference	SOW Section 6.3.4
5	First Submission	FAT + 10wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	PROD - 03
2	Title or Description Number	FAT Reports <del>SPTATE, one for each SPTATE</del>
3	Data Item Description Number	DID-TST-03
4	Reference	SOW Section 6.3.4
5	First Submission	FAT + 10wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

Installation, STW and Acceptance CDRL Details



1	Sequence Number	ISW - 01
2	Title or Description Number	Installation/Set to Work Procedures
3	Data Item Description Number	DID-ISW-01
4	Reference	SOW Section 7.2.1
5	First Submission	PRR - 10wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ISW - 02
2	Title or Description Number	Harbour Acceptance Test Procedures
3	Data Item Description Number	DID-ISW-02
4	Reference	SOW Section 7.2.2
5	First Submission	PRR - 10wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ISW - 03
2	Title or Description Number	Sea Acceptance Test Procedures
3	Data Item Description Number	DID-ISW-03
4	Reference	SOW Section 7.2.3
5	First Submission	PRR - 10wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ISW - 04
2	Title or Description Number	Installation and Set to Work FSR Reports
3	Data Item Description Number	DID-ISW-00
4	Reference	SOW Section 7.3.3
5	First Submission	PRR - FOC ISW +10wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ISW - 05
2	Title or Description Number	Harbour Acceptance Trial FSR Reports
3	Data Item Description Number	DID-ISW-00

4	Reference	SOW Section 7.3.5
5	First Submission	PRR – FOC HAT +10wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ISW – 06
2	Title or Description Number	Sea Acceptance Trial FSR Reports
3	Data Item Description Number	DID-ISW-00
4	Reference	SOW Section 7.3.7
5	First Submission	PRR – FOC HAT +10wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

Quality Assurance Deliverables Summary

1	Sequence Number	QA-01
2	Title or Description Number	Request for Design Change/Deviation
3	Data Item Description Number	N/A
4	Reference	SOW Section 8.4.1.3
5	First Submission	Event + 5wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	QA-02
2	Title or Description Number	Request for Waiver
3	Data Item Description Number	N/A
4	Reference	SOW Section 8.4.2.3
5	First Submission	Event + 5wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	QA-03
2	Title or Description Number	Material Change Notice
3	Data Item Description Number	N/A
4	Reference	SOW Section 8.4.3.1
5	First Submission	Event + 5wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF

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W8482-218424/A  
Client Ref. No. - N° de réf. du client  
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Amd. No. - N° de la modif.  
001  
File No. - N° du dossier  
W8482-218424

Buyer ID - Id de l'acheteur  
M59  
CCC No./N° CCC - FMS No./N° VME

7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

Configuration Management CDRL Details

1	Sequence Number	CM-01
2	Title or Description Number	Configuration Status Account
3	Data Item Description Number	DID-CM-01
4	Reference	SOW Section 9.2.1
5	First Submission	PRR-10 WD
6	Number of Copies/Format	1 / Soft Copy in MS Excel data and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	Production Complete + 20 wd
11	Remarks	Review and Approval run concurrently
1	Sequence Number	CM-02
2	Title or Description Number	Configuration Status Account Report
3	Data Item Description Number	DID-CM-02
4	Reference	SOW Section 9.3.3
5	First Submission	PRR-10 WD
6	Number of Copies/Format	1 / Soft Copy in MS Word data and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	Production Complete + 20 wd
11	Remarks	Review and Approval run concurrently

1	Sequence Number	CM - 03
2	Title or Description Number	Master Record Index
3	Data Item Description Number	DID-CM-03
4	Reference	SOW Section 9.3.4
5	First Submission	PRR - 10 WD
6	Number of Copies/Format	1 / Soft Copy in MS Excel data and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	Production Complete + 20 wd
11	Remarks	Review and Approval run concurrently

1	Sequence Number	CM - 04
2	Title or Description Number	Functional Configuration Audit Procedures
3	Data Item Description Number	N/A
4	Reference	SOW Section 9.4.1.1
5	First Submission	FCA - 20 wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	CM - 05
2	Title or Description Number	Functional Configuration Audit Report
3	Data Item Description Number	DID-CM-04
4	Reference	SOW Section 9.4.1.3
5	First Submission	FCA + 10 wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	CM - 06
2	Title or Description Number	Physical Configuration Audit Procedures
3	Data Item Description Number	N/A
4	Reference	SOW Section 9.4.2.1
5	First Submission	PCA - 20 wd
6	Number of Copies/Format	1 / Soft Copy in MS Excel data and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	CM - 07
2	Title or Description Number	Physical Configuration Audit Report
3	Data Item Description Number	DID-CM-05

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Client Ref. No. - N° de réf. du client  
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Amd. No. - N° de la modif.  
001  
File No. - N° du dossier  
W8482-218424

Buyer ID - Id de l'acheteur  
M59  
CCC No./N° CCC - FMS No./N° VME

4	Reference	SOW Section 9.4.2.3
5	First Submission	PCA + 10 wd
6	Number of Copies/Format	1 / Soft Copy in MS Excel data and PDF
7	Delivery Venue	Email
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	10 wd / 10 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

Integrated Logistics Support CDRL Summary

1	Sequence Number	ILS-01
2	Title or Description Number	Naval Preventive Maintenance Schedules
3	Data Item Description Number	DID-ILS-01
4	Reference	SOW Section 10.2.1
5	First Submission	PRR — 10 wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	60 wd /60 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ILS-02
2	Title or Description Number	Standard Ship Maintenance and Repair Specification
3	Data Item Description Number	DID-ILS-02
4	Reference	SOW Section 10.2.2
5	First Submission	PRR — 10 wd
6	Number of Copies/Format	1 / Soft Copy in MS Word and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	60 wd /60 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ILS-03
2	Title or Description Number	Technical Data Package
3	Data Item Description Number	DID-ILS-03
4	Reference	SOW Section 10.2.3
5	First Submission	1 <sup>st</sup> Deliveries + 10 wd
6	Number of Copies/Format	1 / Soft Copy in Source data and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	20 wd / 20 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ILS-04
2	Title or Description Number	Recommended Spare Parts List
3	Data Item Description Number	DID-ILS-04
4	Reference	SOW Section 10.2.4.2.1
5	First Submission	Proposal
6	Number of Copies/Format	1 / Soft Copy in Source data and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	20 wd / 20 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ILS-05
2	Title or Description Number	Provisioning Parts Breakdown
3	Data Item Description Number	DID-ILS-05
4	Reference	SOW Section 10.2.4.2.4
5	First Submission	With spares delivery
6	Number of Copies/Format	1 / Soft Copy in Source data and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	20 wd / 20 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ILS-06
2	Title or Description Number	Recommended SPTATE List
3	Data Item Description Number	DID-ILS-06
4	Reference	SOW Section 10.2.5.1.1
5	First Submission	Proposal
6	Number of Copies/Format	1 / Soft Copy in Source data and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	20 wd / 20 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ILS-07
2	Title or Description Number	Provisioning SPTATE Breakdown
3	Data Item Description Number	DID-ILS-07
4	Reference	SOW Section 10.2.5.1.4
5	First Submission	With SPTATE delivery
6	Number of Copies/Format	1 / Soft Copy in Source data and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	20 wd / 20 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ILS-08
2	Title or Description Number	Contract End Item List
3	Data Item Description Number	DID-ILS-08
4	Reference	SOW Section 10.2.6.6
5	First Submission	With final delivery
6	Number of Copies/Format	1 / Soft Copy in Source data and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	20 wd / 20 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ILS-09
2	Title or Description Number	Technical Manual
3	Data Item Description Number	DID-ILS-09
4	Reference	SOW Section 10.2.7
5	First Submission	PRR — 10 wd
6	Number of Copies/Format	1 / Soft Copy in MS Excel data and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	20 wd / 20 wd
10	Subsequent Submission	N/A
11	Remarks	Review and Approval run concurrently

1	Sequence Number	ILS-10
2	Title or Description Number	Training Documentation
3	Data Item Description Number	DID-ILS-10
4	Reference	SOW Section 10.2.9
5	First Submission	1 <sup>st</sup> course — 20 wd
6	Number of Copies/Format	1 / Soft Copy in MS Excel data and PDF
7	Delivery Venue	Email or FTP
8	PM Review/Approval Required	Yes/Yes
9	Approval Lead Time	20 wd / 20 wd
10	Subsequent Submission	2 <sup>nd</sup> Course - 20 wd
11	Remarks	Review and Approval run concurrently

Solicitation No. - N° de l'invitation  
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Client Ref. No. - N° de réf. du client  
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Amd. No. - N° de la modif.  
001  
File No. - N° du dossier  
W8482-218424

Buyer ID - Id de l'acheteur  
M59  
CCC No./N° CCC - FMS No./N° VME

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~~ANNEXA APPENDIX 2~~



~~DATA ITEM DESCRIPTIONS~~

~~HP AIR DRYER~~

~~NSN: 99-980-9742~~

~~FOR THE~~

~~VICTORIA CLASS SUBMARINES~~

~~CONTRACT NO. XXXXXXXX~~

~~DATE: DD MONTH YEAR~~



**NOTICE**

~~This documentation 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**

~~Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis de divulgation et les instructions de manutention reçues originalement doivent continuer de s'appliquer.~~

Solicitation No. - N° de l'invitation  
W8482-218424/A  
Client Ref. No. - N° de réf. du client  
W8482-218424

Amd. No. - N° de la modif.  
001  
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CCC No./N° CCC - FMS No./N° VME

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**LIST OF EFFECTIVE PAGES**

~~Insert latest changed pages, dispose of superseded pages In Accordance With (IAW) applicable orders.~~

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Date of issue for original and changed pages are:

~~Original ..... DD Month 2020~~

A zero in Change No. column indicates an original page. The Total number of pages in this Appendix 2 DIDs is 70 consisting of the following:

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W8482-218424/A  
Client Ref. No. - N° de réf. du client  
W8482-218424

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**SCOPE**

**Purpose**

The purpose of the High Pressure Air Dryer (HPAD) Data Item Descriptions (DID) is to provide descriptions and associated preparation instructions of the Contract data deliverables found in Appendix 1 to this SOW.

**PROJECT MANAGEMENT DIDS**

**DID-PM-01 Work Breakdown Structure**

<b>1. TITLE</b> Work Breakdown Structure		<b>2. IDENTIFICATION NUMBER</b> DID-PM-01	
<b>3. DESCRIPTION/PURPOSE</b> The projects project Work Breakdown Structure (WBS) defines the project in terms of hierarchically related, product-oriented elements. Each element provides logical summary levels for assessing technical accomplishments, supporting the required event-based technical reviews and measuring cost and schedule performance.			
<b>4. APPROVAL DATE</b>	<b>5. OFFICE OF PRIMARY INTEREST (OPI)</b> SM 4-6-2 Technical Authority SM 4-5		<b>6. SOW SECTION</b> 4.2.1
<b>7. APPLICATION/INTERRELATIONSHIP</b> THE WBS may be used in conjunction with the contract Statement of Work, DID-PM-01 and DID-PM-03, Project Schedule.			
<b>8. ORIGINATOR</b> SM 4-5		<b>9. APPLICABLE FORMS</b>	
<b>PREPARATION INSTRUCTIONS</b>			
10.1	References: A. MIL-STD-881A dated 30 Jul 2005 DoD Handbook Work Breakdown Structure for Defence Material Items B. MIL-STD-188C dated 3 Oct 2011 Work Breakdown Structure for Defence Material Items Format: The Project WBS shall be prepared in contractor's format in Microsoft (MS) Word.		
10.2	Content: The Contractor shall structure the WBS using the reference as guide. The goal is to develop a WBS that defines the logical relationship among all project elements to a specific level (typically 3) of indenture that does not constrain the Contractor's ability to define or manage the project or resources.		
10.3	Delivery Instructions, Review and Approval Requirements: 1. Number of Copies/Format: 1 soft copy in MS Word and PDF format. 2. Delivery Venue: email 3. First Submission: with proposal 4. PM review/Approval: yes/no 5. Review/Approval Lead time: na/na 6. Subsequent Submission: PKO-10 wd if updates required. 7. Remarks: na		

DID-PM-02 Project Schedule

1. TITLE Project Schedule		2. IDENTIFICATION NUMBER DID-PM-02	
3. DESCRIPTION/PURPOSE The projects Project Schedule (PS) is to describe Contractor's schedule to execute the tasks and activities described in the contract's Statement of Work (SOW) and Work Breakdown Structure (WBS).			
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-5	6. SOW SECTION 4.3.1	
7. APPLICATION/INTERRELATIONSHIP THE WBS may be used in conjunction with the contract Statement of Work, and DID-PM-01 Work Breakdown Structure.			
ORIGINATOR  SM 4-5		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
	Reference : MIL-STD-188C dated 3 Oct 2011		
10.1	Format: The Project Schedule shall be prepared in contractor's format in Microsoft (MS) Word.		
10.2	Content: The PS must contain the contract deliverables, milestones and accomplishments and discreet tasks/activities (including planning packages where applicable) from contract award to the completion of the contract. The schedule shall be integrated, logical network-based schedule that correlates the WBS and is vertically and horizontally traceable to the cost/schedule reporting instrument used to address variances (if applicable). The schedule shall have a numbering system that provides traceability to the SOW. It shall contain contractual deliverables, milestones and descriptions and display summary, intermediate, and detailed schedules and periodic analysis of progress to date. It shall include fields and data that enables the user to access the information by product, process or organizational lines.		
10.3	Delivery Instructions, Review and Approval Requirements: 1. Number of Copies/Format: _____ 1 soft copy in MS Word and PDF format. 2. Delivery Venue: _____ email 3. First Submission: _____ with proposal 4. PM review/Approval: _____ yes/no 5. Review/Approval Lead time: _____ na/na 6. Subsequent Submission: _____ meetings-10 wd if updates required. 7. Remarks: _____ na		

**DID-PM-03 Meeting Agenda**

1. TITLE Meeting Agenda		2. IDENTIFICATION NUMBER DID-PM-03	
3. DESCRIPTION/PURPOSE The purpose of the Meeting Agenda is to propose topics for discussions during the meeting			
4. APPROVAL DATE		5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-5	6. SOW SECTION 4.5.2.1 4.5.3, 4.5.4, 4.5.6 4.5.7, 4.5.8, 5.1.7
7. APPLICATION / INTERRELATIONSHIP The meeting Agenda may be used in support of all project meetings and reviews whether held physically or by teleconference or video conference. The meeting agenda may be used in conjunction with DID-PM-04 meeting minutes, or meeting or review supporting documentation reports.			
8. ORIGINATOR SM 4-5		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
10.1	Format: The Meeting Agenda shall be prepared in contractor's format using Microsoft (MS) Word		
10.2	<p>Contents: The content of the Meeting Agenda shall as a minimum include:</p> <ol style="list-style-type: none"> <li>1. Purpose of the meeting;</li> <li>2. Time, date, location, and expected duration of the meeting;</li> <li>3. List of expected attendees;</li> <li>4. Security Requirements of the meeting;</li> <li>5. Facilities and equipment to be provided for the attendees;</li> <li>6. List meeting supporting documentation, including Minutes of the previous meeting and associated Action item List, Documents to be reviewed during the meeting (e.g. Project Status Reports, Reviews or Other Reports).</li> </ol> <p><b>-NOTE:</b> The Contractor is to ensure that adequate copies of meetings supporting documentation are available for attendees at the meeting.</p>		
10.3	<p>Delivery Instructions, Review and Approval Requirements:</p> <ol style="list-style-type: none"> <li>1. Number of Copies/Format: 1 soft copy in MS Word and PDF format.</li> <li>2. Delivery Venue: email</li> <li>3. First Submission: meeting 5 wd</li> <li>4. PM review/Approval: yes/yes</li> <li>5. Review/ Approval Lead time: 5 wd / 5 wd</li> <li>6. Subsequent Submission: na</li> <li>7. Remarks: review and Approval Lead Time run concurrently.</li> </ol>		

**DID-PM-04 Meeting Minutes**

1. TITLE Meeting Minutes		2. IDENTIFICATION NUMBER DID-PM-04	
3. DESCRIPTION / PURPOSE			

The purpose of the Meeting Minutes is to formally record the discussions, agreements, and actions resolved and assigned (with responsible parties and closure dates) during the meeting.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-5	6. SOW SECTION 4.5.2.6 4.5.3, 4.5.4, 4.5.6 4.5.7, 4.5.8, 5.1.7
7. APPLICATION / INTERRELATIONSHIP The Meeting Minutes may be used in support of all project meetings and reviews whether held physically or by teleconference or video conference. The Meeting Minutes may be used in conjunction with DID-PM-03 Meeting Agenda, or meeting or review supporting documentation reports.		
8. ORIGINATOR SM 4-5		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS		
10.1	Format: The Meeting Minutes shall be prepared in contractor's format using Microsoft (MS) Word.	
10.2	Contents: The content of the Meeting Minutes shall as a minimum include:  <ol style="list-style-type: none"> <li>1. Time, date and location, of the meeting;</li> <li>2. List of attendees and their contact information (Organization, Position, Telephone, email);</li> <li>3. Purpose of the meeting;</li> <li>4. Summary of Action Items;</li> <li>5. Meeting Agenda/Changes to agenda;</li> <li>6. For each item discussed: <ol style="list-style-type: none"> <li>a. A brief summary of the item;</li> <li>b. Any agreed to course of action with respect to the item (and associated recommended changes to Action Item List)</li> </ol> </li> </ol>	
10.3	Delivery Instructions, Review and Approval Requirements:  <ol style="list-style-type: none"> <li>1. Number of Copies/Format: 1 soft copy in MS Word and PDF format.</li> <li>2. Delivery Venue: email</li> <li>3. First Submission: Meeting - 5 wd</li> <li>4. PM review/Approval: Yes/Yes</li> <li>5. Review/ Approval Lead time: 5 wd / 5 wd</li> <li>6. Subsequent Submission: NA</li> <li>7. Remarks: Review and Approval Lead Time run concurrently.</li> </ol>	

1. TITLE Action Item List		2. IDENTIFICATION NUMBER DID-PM-03
3. DESCRIPTION/PURPOSE The purpose of the Action Item List (AIL) is to project issues and the associated actions to resolve them.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-5	6. SOW SECTION 4.5.2.12 4.5.3, 4.5.4, 4.5.6 4.5.7, 4.5.8, 5.1.7
7. APPLICATION / INTERRELATIONSHIP		



<p>The meeting AIL may be used in support of all project meetings and reviews whether held physically or by teleconference or video conference. The AIL may be used in conjunction with DID-PM-04 Meeting Minutes, or meeting or review supporting documentation Reports</p>	
<p><b>8. ORIGINATOR</b></p> <p>SM 4-5</p>	<p><b>9. APPLICABLE FORMS</b></p>
<p><b>10. PREPARATION INSTRUCTIONS</b></p>	
<p>10.1</p>	<p>Format: The AIL must be prepared in contractor's format using Microsoft (MS) Excel.</p>
<p>10.2</p>	<p>Contents: The content of the AIL shall include in each row as a minimum:</p> <ol style="list-style-type: none"> <li>1. Identification Number;</li> <li>2. Title or Description;</li> <li>3. Date Opened;</li> <li>4. Issue causing action item to be raised;</li> <li>5. Action required;</li> <li>6. Priority;</li> <li>7. Organization and person responsible for taking action;</li> <li>8. Brief statement of action taken to date and associated results;</li> <li>9. Status (open/closed); and</li> <li>10. Date Closed.</li> </ol> <p>The Contractor must ensure that once entered into the AIL, no entry is deleted.</p> <p>The Contractor must include a subset of the AIL containing all open action items as an attachment to the Meeting Agenda.</p>
<p>10.3</p>	<p>Delivery Instructions, Review and Approval Requirements:</p> <ol style="list-style-type: none"> <li>1. Number of Copies/Format: 1 soft copy in MS Excel and PDF format.</li> <li>2. Delivery Venue: email</li> <li>3. First Submission: With Meeting Minutes</li> <li>4. PM review/Approval: Yes/Yes</li> <li>5. Review/ Approval Lead time: 5 wd // 5 wd</li> <li>6. Subsequent Submission: With Meeting Minutes and if and as requested by Canada</li> <li>7. Remarks: Review and Approval Lead Time run concurrently.</li> </ol>

~~ENGINEERING DIDS~~

~~DID-ENG-01 Engineering Drawings, Associated Lists and CAD Models~~

1. TITLE <del>Engineering Drawings, Associated Lists and CAD Models</del>		2. IDENTIFICATION NUMBER <del>DID-ENG-01</del>	
3. DESCRIPTION / PURPOSE			
<p><del>Level 1 Drawings. Level 1, conceptual and Developmental Design. Engineering Drawings, Associated Lists and CAD Models prepared to this level shall, as a minimum, disclose engineering design information sufficient to evaluate an engineering concept as meeting stated military requirements, and may provide information sufficient to fabricate developmental hardware. These types of drawings generally consist of simple sketches, models, artist's renderings, and/or basic textual data.</del></p> <p><del>Level 2 Drawings. Level 2, Production Prototype and Limited production. Engineering Drawings, Associated Lists and CAD Models prepared to this level shall disclose directly or by reference a design approach suitable to support the manufacture of a production prototype and limited production models. Engineering drawings shall include, as applicable, manufacturing limits, and details of new materials and processes.</del></p> <p><del>Level 3 Drawings. Level 3, Production Engineering Drawings, Associated Lists and CAD Models prepared to this level shall provide engineering definition sufficiently complete to enable a competent manufacturer to produce and maintain quality control of the item. These Engineering Drawings reflect the end product. They reflect approved, tested, and accepted configuration of the defined delivered item and provide the necessary data to permit competitive procurement or re-procurement.</del></p>			
4. APPROVAL DATE		5. OFFICE OF PRIMARY INTEREST (OPI) <del>SM 4-6-2</del> Technical Authority SM 4-5	6. SOW SECTION <del>5.2.2</del>
7. APPLICATION / INTERRELATIONSHIP			
<del>The Engineering Drawings, Associated Lists and CAD Models may be used in conjunction with the Proposal, Requirements Review Meeting, Production Readiness Review and Technical Data Package.</del>			
8. ORIGINATOR <del>SM 4-5</del>		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
10.1	<p><del>Format:</del></p> <p><del>1. Commercial Off the Shelf Equipment/Systems-Contractor format in its native Model or Drawing format.</del></p> <p><del>2. Contractor Developed Equipment/Systems-3D Models (see order of preference below) and/or ASME-Y14 Drawing Standards in the Contractor's sheet format.</del></p> <p><del>Order of preference for 3D Models:</del></p> <p><del>a. Solid Works part and assembly and/or drawing files; and</del></p> <p><del>b. STEP format or IGES format.</del></p> <p><del>2D drawings of flat items produced in software other than Solid Works (i.e. wiring diagrams) should be prepared in DWG or DXF format.</del></p>		

10.2	<p><b>Content:</b></p> <ol style="list-style-type: none"><li><del>1. COTS equipment— Level 1 Drawings comprised of available Manufacturers Data Sheet and Outline and Installation Drawings and 3D Models.</del></li><li><del>2. Contractor Developed Equipment— Level 2 Drawings and 3D Models</del></li><li><del>3. For all drawings items on the drawing parts list considered to be First Level in accordance with C-23-VIC-000/AM-001 shall be annotated as First Level.</del></li></ol>
10.3	<p><b>Delivery Instructions, Review and Approval Requirements:</b></p> <ol style="list-style-type: none"><li><del>1. Number of Copies/Format: 1 soft copy in MS Model or drawing format and PDF format.</del></li><li><del>2. Delivery Venue: email</del></li><li><del>3. First Submission: With Proposal</del></li><li><del>4. PM review/Approval: Yes/Yes</del></li><li><del>5. Review/ Approval Lead time: 10 wd / 10 wd</del></li><li><del>6. Subsequent Submission: With RR Meeting, PRR and with TDP</del></li><li><del>7. Remarks: Review and Approval run concurrently</del></li></ol>

**DID-ENG-02 System/Sub-System Specifications**

<b>1. TITLE</b> System/Sub-System Specification		<b>2. IDENTIFICATION NUMBER</b> DID-ENG-02	
<b>3. DESCRIPTION / PURPOSE</b>  The System/Sub-System Specification (S/SSSPEC) provides a comprehensive description of the technical requirements for material, equipment and services.			
<b>4. APPROVAL DATE</b>		<b>5. OFFICE OF PRIMARY INTEREST (OPI)</b> SM 4-6-2 Technical Authority SM 4-5	
<b>6. SOW SECTION</b> 5.2.3			
<b>7. APPLICATION / INTERRELATIONSHIP</b>  The S/SSSPEC may be used in conjunction with the Proposal, Requirements Review Meeting, Production Readiness Review and Technical Data Package.			
<b>8. ORIGINATOR</b> SM 4-5		<b>9. APPLICABLE FORMS</b>	
<b>10. PREPARATION INSTRUCTIONS</b>			
10.1		Reference: MIL-STD-961E Defense and Program Unique Specifications Format and Content  Format: the S/SSSPEC shall be using the reference as a guide, prepared in Contractor's format in Microsoft Word.	
10.2		Content: The S/SSSPEC must be prepared using reference recommended content, as outlined below as a guide. Where the S/SSSPEC is describing a COTS item, the COTS item's Data Sheet may be added as an Appendix and referenced in the main body of the specifications.  <ol style="list-style-type: none"> <li>1. Section 1 — Scope</li> <li>2. Section 2 — Applicable Documents</li> <li>3. Section 3 — Requirements: <ol style="list-style-type: none"> <li>a. General</li> <li>b. Material;</li> <li>c. Performance;</li> <li>d. Design;</li> <li>e. Physical Characteristics;</li> <li>f. Interface, Interoperability and Compatibility;</li> <li>g. Process;</li> <li>h. Parts;</li> <li>i. Construction, Fabrication and Assembly</li> <li>j. Operating Characteristics;</li> <li>k. Workmanship;</li> <li>l. Reliability;</li> <li>m. Maintainability;</li> <li>n. Environment Operating Requirements.</li> </ol> </li> <li>4. Section 4 — Verification: <ol style="list-style-type: none"> <li>a. General;</li> <li>b. First article;</li> <li>c. Inspection Conditions; and</li> <li>d. Qualification.</li> </ol> </li> <li>5. Section 5 — Packaging</li> </ol>	

10.3	<p><del>6. Section 6 Notes</del></p> <p><del>Delivery Instructions, Review and Approval Requirements:</del></p> <ol style="list-style-type: none"><li><del>1. Number of Copies/Format: 1 soft copy in MS Word and PDF format</del></li><li><del>2. Delivery Venue: email</del></li><li><del>3. First Submission: Proposal</del></li><li><del>4. TAA Review/Approval: Yes/Yes</del></li><li><del>5. Review/Approval: 10wd/Review Event + 10 wd</del></li><li><del>6. Subsequent Submission: RR- 10 wd, PRR-10 wd, and with TDP</del></li><li><del>7. Remarks: N/A</del></li></ol>
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**DID-ENG-03 Material List**

1. TITLE Material List		2. IDENTIFICATION NUMBER DID-ENG-03	
3. DESCRIPTION / PURPOSE  The purpose of the Material List (ML) is to identify the materials incorporated into supplies being delivered, so that they may be assessed from suitability for use in submarines perspective.			
4. APPROVAL DATE		5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-5	6. SOW SECTION 5.2.8
7. APPLICATION / INTERRELATIONSHIP  The ML may be used in conjunction with the System/Subsystem Specification, Engineering Drawings and Associated List, and Material Safety data Sheets.			
8. ORIGINATOR  SM - 4-5		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
10.1	Format: The ML shall be prepared in Contractor format in Microsoft Excel Spreadsheet.		
10.2	<p>Contents: As a minimum, the ML shall include the following content:</p> <ol style="list-style-type: none"> <li>1. The spreadsheet shall have rows and comprised of an indented list of parts and parts associated components;</li> <li>2. The spreadsheet shall have as a minimum columns comprised of: <ol style="list-style-type: none"> <li>a. Parts/Component Identification;</li> <li>b. Part/Component Number</li> <li>c. Part/Component Material Type;</li> <li>d. Part/Component Material Type Specification;</li> <li>e. Part/Component Material Type Specification Safety data Sheet Reference (as applicable);</li> <li>f. Notes.</li> </ol> </li> <li>3. The ML shall provide disposal instructions for any component that are: <ol style="list-style-type: none"> <li>a. Repair by replacement</li> <li>b. Require special handling instructions;</li> <li>c. Cannot be disposed of by conventional means.</li> </ol> </li> </ol>		
10.3	<p>Delivery Instructions, Review and Approval Requirements:</p> <ol style="list-style-type: none"> <li>1. Number of Copies/Format: 1 soft copy in MS Excel and PDF format</li> <li>2. Delivery Venue: email</li> <li>3. First Submission: RR - 10wd</li> <li>4. TAA Review/Approval: Yes/Yes</li> <li>5. Review/Approval: 10wd / 10 wd</li> <li>6. Subsequent Submission: PRR - 10 wd, and with TDP</li> <li>7. Remarks: N/A</li> </ol>		

**DID-ENG-04 Safety Data Sheet**

1. TITLE Safety Data Sheet		2. IDENTIFICATION NUMBER DID-ENG-04	
3. DESCRIPTION / PURPOSE			

<p>The Safety Data Sheet (SDS) is an important component of product stewardship and Occupational Safety and Health. It is intended to provide workers and emergency personnel with the procedures for handling or working with that substance or material in a safe manner, and includes information such as physical data (melting point, boiling point, flash point, etc.), toxicity, health effects, first aid, reactivity, storage, disposal, protective equipment, and spill handling procedures.</p>		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-5	6. SOW SECTION 5.2.9
7. APPLICATION / INTERRELATIONSHIP		
<p>The SDS may be used in conjunction with the Material List, System/Subsystem Specification, Engineering Drawings and Associated List, and Submarine's Hazardous Material Portfolio (SHMP).</p>		
8. ORIGINATOR  SM 4-5	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS		
10.1	Format: the SDS shall be in the Material Supplier format as a PDF	
10.2	Contents: Canadian Hazardous Product Regulations specifies the sections and content for the SDS, as follows in table below:	
MSDS Section and Heading		Specific Information Elements
1	Identification	<ul style="list-style-type: none"> <li>● Product Identifier</li> <li>● Other means of identification (e.g. product family, synonyms, etc.)</li> <li>● Recommended Use</li> <li>● Restriction on use</li> <li>● Canadian supplier identifier+ <ul style="list-style-type: none"> <li>○ Name, full address and phone number and any restrictions on the use of that number, if applicable</li> </ul> </li> </ul>
2	Hazard Identification	<ul style="list-style-type: none"> <li>● Hazard classification (class, category) of substance or mixture or a description of the identified hazard for Physical or Health hazards Not Otherwise Classified:</li> <li>● Label Elements: <ul style="list-style-type: none"> <li>○ Symbol (image) or the name of the symbol (e.g. flame, skull and crossbones)</li> <li>○ Signal Word</li> <li>○ Hazard statement(s)</li> <li>○ Precautionary Statement</li> </ul> </li> <li>● Other hazards which do not result in classification (e.g. molten metal hazard)</li> </ul>
3	Composition/Information on ingredients	<ul style="list-style-type: none"> <li>● When a hazardous product is a material or substance: <ul style="list-style-type: none"> <li>○ Chemical Name</li> <li>○ Common name and synonyms</li> <li>○ Chemical Abstract service (CAS) registry number and any unique identifiers</li> <li>○ Chemical names of impurities, stabilizing solvents and/or additives *</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>● <del>For each material or substance in a mixture that is classified in a health hazard class</del> <ul style="list-style-type: none"> <li>○ <del>Chemical name</del></li> <li>○ <del>Common name and synonyms</del></li> <li>○ <del>CAS registry number and any unique identifiers</del></li> <li>○ <del>Concentration</del></li> </ul> </li> </ul> <p><del>NOTE: confidential business information rules can apply.</del></p>
4	First-aid measures	<ul style="list-style-type: none"> <li>● <del>First-aid measures by route of exposure:</del> <ul style="list-style-type: none"> <li>○ <del>Inhalation</del></li> <li>○ <del>Skin contact</del></li> <li>○ <del>Eye contact</del></li> <li>○ <del>Ingestion</del></li> </ul> </li> <li>● <del>Most important symptoms and effects (acute or delayed)</del></li> <li>● <del>Immediate medical attention and special treatment, if necessary</del></li> </ul>
5	Fire Fighting measures	<ul style="list-style-type: none"> <li>● <del>Suitable extinguishing media</del></li> <li>● <del>Unsuitable extinguishing media</del></li> <li>● <del>Specific hazards arising from the hazardous product (e.g., hazardous combustion products)</del></li> <li>● <del>Special protective equipment and precautions for fire-fighters</del></li> </ul>
6	Accident release measures	<ul style="list-style-type: none"> <li>● <del>Personal precautions, protective equipment and emergency procedures</del></li> <li>● <del>Methods and materials for containment and cleaning up</del></li> </ul>
7	Handling and storage	<ul style="list-style-type: none"> <li>● <del>Precautions for safe handling</del></li> <li>● <del>Conditions for safe storage (including incompatible materials)</del></li> </ul>
8	Exposure controls/personal protection	<ul style="list-style-type: none"> <li>● <del>Control parameters, including occupational exposure guidelines or biological exposure limits and source of those values</del></li> <li>● <del>Appropriate engineering controls</del></li> <li>● <del>Individual protection measures (e.g. personal protective equipment)</del></li> </ul>
9	Physical and chemical properties	<ul style="list-style-type: none"> <li>● <del>Appropriate (physical state, color, etc.)</del></li> <li>● <del>Odour</del></li> <li>● <del>Odour threshold</del></li> <li>● <del>pH</del></li> <li>● <del>melting point / freezing point</del></li> <li>● <del>Initial boiling point/boiling range</del></li> <li>● <del>Flash point</del></li> <li>● <del>Evaporation rate</del></li> <li>● <del>Flammability (solid, gas)</del></li> <li>● <del>Lower flammable/explosive limit</del></li> <li>● <del>Upper flammable/explosive limit</del></li> <li>● <del>Vapour pressure</del></li> <li>● <del>Vapour density</del></li> <li>● <del>Relative density</del></li> <li>● <del>Solubility</del></li> <li>● <del>Partition coefficient -- n-octanol/water</del></li> <li>● <del>Auto-ignition temperature</del></li> <li>● <del>Decomposition temperature</del></li> </ul>



		<ul style="list-style-type: none"> <li>• <del>Viscosity</del></li> </ul>
10	Stability and reactivity	<ul style="list-style-type: none"> <li>• <del>Reactivity</del></li> <li>• <del>Chemical stability</del></li> <li>• <del>Possibility of hazardous reactions</del></li> <li>• <del>Conditions to avoid (e.g. static discharge, shock, or vibration)</del></li> <li>• <del>Incompatible materials</del></li> <li>• <del>Hazardous decomposition products</del></li> </ul>
11	Toxicological information	<p>Concise but complete description of the various toxic health effects and the data used to identify those effects, including;</p> <ul style="list-style-type: none"> <li>• <del>Information on likely routes of exposure (inhalation, ingestion, skin, and eye contact)</del></li> <li>• <del>Symptoms related to the physical, chemical and toxicological characteristics</del></li> <li>• <del>Delayed and immediate effects, and chronic effects from short-term and long-term exposure</del></li> <li>• <del>Numerical measures of toxicity</del></li> </ul>
12	Ecological Information	<ul style="list-style-type: none"> <li>• <del>Eco-toxicity</del></li> <li>• <del>Persistence and degradability</del></li> <li>• <del>Bio-accumulative potential</del></li> <li>• <del>Mobility in soil</del></li> <li>• <del>Other adverse effects</del></li> </ul>
13	Disposal consideration	Information on safe handling for disposal and methods of disposal, including any contaminated packaging.
14	Transport information	<ul style="list-style-type: none"> <li>• <del>UN number</del></li> <li>• <del>UN proper shipping name</del></li> <li>• <del>Transport hazard class</del></li> <li>• <del>Packaging group</del></li> <li>• <del>Environment hazards</del></li> <li>• <del>Transport in bulk, if applicable</del></li> <li>• <del>Special precautions</del></li> </ul>
15	Regulatory Information	<ul style="list-style-type: none"> <li>• <del>Safety, health and environment regulations specific to the product</del></li> </ul>
16	Other information	Date of the latest revisions of the SDS
10.3		<p>Delivery Instructions, Review and Approval Requirements:</p> <ol style="list-style-type: none"> <li>1. Number of Copies/Format: _____ 1 soft copy PDF  _____ format</li> <li>2. Delivery Venue: _____ email</li> <li>3. First Submission: _____ RR — 10wd</li> <li>4. TAA Review/Approval: _____ Yes/Yes</li> <li>5. Review/Approval: _____ 10wd/ 10 wd</li> <li>6. Subsequent Submission: _____ PRR — 10 wd, and  _____ with TDP</li> <li>7. Remarks: _____ N/A</li> </ol>

Test Plans, Procedures and Reports DIDs

DID-TST-01 Test Plan

1. TITLE Test Plan		2. IDENTIFICATION NUMBER DID-TST-01	
3. DESCRIPTION/PURPOSE The purpose of the test Plan (TP) is to document the Plan for the types of testing to be done.			
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-3	6. SOW SECTION 5.2.10	
7. APPLICATION / INTERRELATIONSHIP The TP may be used in conjunction with the Production Test Plan.			
8. ORIGINATOR SM 4-5		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
10.1	Format: A TP shall be prepared in Contractor format in Microsoft Word.		
10.2	Content: As a minimum, the TP Report shall contain sections (as applicable to the project) under the following headings.  <ol style="list-style-type: none"> <li>1. Section 1 - Plan Overview. This section of the TP typically describes the Contractor's strategy, methodology, processes and sequence of activities for the types of testing involved. The TP typically provides Inspection and Test Points.</li> <li>2. Section 2 - Organization and Management. This section of the TP typically describes the Contractor's organization and management for the types of testing.</li> <li>3. Section 3 - Flow Diagrams. The TP typically includes a type of test Flow Diagrams for the Test Program.</li> <li>4. Section 4 - Objectives. The TP typically outlines the Test Program Objectives.</li> <li>5. Section 5 - support Requirements. The TP typically identifies the significant technical and logistics support required to the types of tests.</li> <li>6. Section 6 - Special Testing. The TP typically identifies any Special Testing which forms part of the Test Program.</li> <li>7. Section 7 - Documentation. The TP typically identifies the documentation requirements for each type of test in the Test Program.</li> <li>8. Section 8 - Configuration. The TP typically provides the System/Equipment Configuration (s) that will be tested and show how this configuration is the same configuration that will be tested and shows how this configuration is the same configuration that will be offered for acceptance.</li> <li>9. Section 9 - Failure and Corrective Action Management. The TP typically describes the Problem Resolution System used for the collection of failure data, track corrective action, and how follow up testing will be managed following a test failure.</li> </ol>		
10.3	Delivery Instructions, Review and Approval Requirements: <ol style="list-style-type: none"> <li>1. Number of Copies/Format: 1 soft copy in MS Word and PDF format.</li> <li>2. Delivery Venue: email</li> <li>3. First Submission: RR 10wd</li> <li>4. TAA Review/Approval: Yes/Yes</li> <li>5. Review/Approval Lead Time: 10wd/10wd</li> <li>6. Subsequent submission: N/A</li> </ol>		

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	<p>7. <del>Remarks:</del> <del>Review and Approval run concurrently.</del></p>
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DID-TST-02 Test Procedure

1. TITLE  Test Procedure		2. IDENTIFICATION NUMBER  DID-TST-02	
3. DESCRIPTION/PURPOSE The purpose of the Test Procedure (TP) is to document the step by step operations to be performed on items undergoing development, qualification and acceptance testing. The TP identifies the items to be tested, the test equipment, support required, the test conditions to be imposed, the parameters to be measured, and the pass/fail criteria against which the test results will be measured. The document is a compilation of individual test procedures related to a system, subsystem or equipment.			
4. APPROVAL DATE		5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-3	6. SOW SECTION 5.2.11
7. APPLICATION / INTERRELATIONSHIP The TP may be used in conjunction with the Production Test Plan and Factory Acceptance Test Procedure.			
8. ORIGINATOR  SM 4-5		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
10.1	Format: A TP shall be prepared in Contractor format in Microsoft Word.		
10.2	<p>Content: As a minimum, the TP shall contain the following information (as applicable).</p> <p>1. <del>Front Matter</del>  <u>Cover and Title Page</u>: the following information shall appear on the outside front cover and title page:  a. <del>Date of Issue</del>;  b. <del>Revision date</del>;  c. <del>Procedure document identification number</del>;  d. <del>Contract Number</del>;  e. <del>Contractor's name and address</del>;  f. <del>Type of procedure. Including purpose (e.g. first article test, developmental evaluation, qualification, environmental (specify), acceptance, or other</del>;  g. <del>Identification of the system, subsystem, or equipment to be tested</del>; and  h. <del>Security Classification (if applicable)</del></p> <p><u>Record of Changes</u>. A record of change pages shall be included to provide for the tracking of changes to the test procedures.</p> <p><u>Table of Contents</u>. A table of content is required when more than one test procedure is included in the test procedure document. It shall identify the page location of each procedure number, procedure title, and related equipment nomenclature.</p> <p>2. <del>Body of Document</del>. For each test procedure, the following information is required.  <u>Procedure number</u>. Each procedure shall have a unique number assigned to it.  <u>Title of Procedure</u>. The title should relate to the purpose of the test.  <u>Introduction</u>. The following shall be addressed in the introduction:  a. <del>Purpose of test. (As specified in the contract tasking document)</del>  b. <del>System, sub-system or equipment to be tested. The following shall be provided:</del>  1. <del>Nomenclature</del>;  2. <del>Model or part number</del>;  3. <del>Type of test item (prototype, production item, laboratory model, etc); and</del></p>		

10.3	<p><del>4. Application specification</del></p> <p><del>c. Test requirements. Included the following, each related to the prescribing contract requirement paragraph (specification, standard, plan, or work statement)</del></p> <p><del>d. Required tests, and parameters to be measured.</del></p> <p><del>e. Performance requirements, acceptance of compliance limits, and Environmental criteria.</del></p> <p><del>f. Referenced documents. A list by title, number, date, and source of those documents cited in the test procedure.</del></p> <p><del>Required Test Equipment. Includes the following for each piece of test equipment required to perform the procedure:</del></p> <p><del>a. Nomenclature;</del></p> <p><del>b. Model number (if applicable)</del></p> <p><del>c. Use of test equipment;</del></p> <p><del>d. Manufacturer (if mandatory);</del></p> <p><del>e. Accuracy and calibration requirements; and</del></p> <p><del>f. Range or spectrum of measurements required.</del></p> <p><del>Table of tests. This table lists each test performed under the procedure in the sequence it is to be performed, identified to the procedure paragraph, and the related specifications/contract requirement.</del></p> <p><del>Step by Step procedure. The following shall be included for each step of the test procedure:</del></p> <p><del>a. Test set-up diagrams, including test equipment connections.</del></p> <p><del>b. Input and output instrumentation points.</del></p> <p><del>c. Test item operating limits and test conditions to be imposed.</del></p> <p><del>d. Performance parameters to be measured.</del></p> <p><del>e. Step-by-step operations to obtain the required data.</del></p> <p><del>f. Caution and safety warnings as appropriate.</del></p> <p><del>Data Sheets. Data sheets shall be included with the procedure, or be separately attached at the end of all procedures. They shall provide for:</del></p> <p><del>a. Identification of item tested, including model and serial numbers.</del></p> <p><del>b. Recording of test measurements.</del></p> <p><del>c. Identification of required or objective performance values, with tolerances.</del></p> <p><del>d. Identification of applicable procedure paragraphs.</del></p> <p><del>e. Date of test.</del></p> <p><del>f. Signature of technician or inspector performing the tests.</del></p> <p><del>Support requirements. Any special support requirement would be included in this section such as:</del></p> <p><del>a. Use of special facilities or test ranges.</del></p> <p><del>b. Personnel requirements (numbers, types, qualifications).</del></p> <p><del>c. Unusual electrical, hydraulic, pneumatic, etc., requirements.</del></p> <p><del>d. Support equipment requirements.</del></p> <p><del>Delivery Instructions, Review, and Approval Requirements:</del></p> <p><del>1. Number of Copies/Format: _____ 1 soft copy in MS word and PDF  _____ format</del></p> <p><del>2. Delivery Venue: _____ email</del></p> <p><del>3. First Submission: _____ Requirement Date — 10 wd</del></p> <p><del>4. TAA Review/Approval: _____ Yes/Yes</del></p> <p><del>5. Review/ Approval Lead time: _____ 10wd/10wd</del></p> <p><del>6. Subsequent Submission: _____ N/A</del></p> <p><del>7. Remarks: _____ Review and Approval run  _____ concurrently</del></p>
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DID-TST-03 Test Report

1. TITLE Test Report		2. IDENTIFICATION NUMBER DID-TST-03	
3. DESCRIPTION/PURPOSE The purpose of the Test (TST) report is to document the test/inspection results, findings and analyses that will enable Canada to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.			
4. APPROVAL DATE		5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-5	6. SOW SECTION 6.3.4
7. APPLICATION / INTERRELATIONSHIP The TST Report may be used to report the tests conducted in accordance with Factory Acceptance Test Procedure, Noise and Vibration Test Procedure, EMC/EMI Test procedure, Shock Test Procedure, Environment Test Procedure, Endurance Test Procedure.			
8. ORIGINATOR SM 4-5		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
10.1	Format: A TST report shall be prepared in Contractor format in Microsoft Word.		
10.2	Content: The TST Report shall contain the following information (as applicable).  <b>1. Front Matter</b> <u>Cover and Title Page.</u> The following information shall appear on the outside front cover and title page: a. Date of issue; b. Revision date (if applicable); c. Contractor's name, address, and commercial and government entity code; d. Contract number; e. Contractor's name and address; f. Type of test/inspection (e.g. EMC/EMI test, Deliverable Unit, 1 FAT Test, etc.); g. Including purpose (e.g. first article test, development evaluation, qualification, environmental (specify), acceptance, or other); h. Identification of the item tested/inspected; i. Date or period of test/inspection; j. Name and address of requiring government activity; and k. Security classification (if applicable). <u>Record of Changes.</u> A record of change pages shall be included to provide for the tracking of changes to the test report. <u>Table of Contents.</u> A table of contents is required identifying the following: a. The title and starting page of each major section, paragraph, and appendix of the report; and b. The page, identifying number and title of each illustration (for example figure, table, photograph, chart, and drawing).  <b>2. Introduction.</b> The introduction shall include the following information. <u>Test/inspection objective(s).</u> The specific test/inspection objective(s) as specified in the contract tasking document. <u>Item(s) tested/inspected.</u> Completed identification of the items tested/inspected including the following:		

	<p><del>a. Nomenclature.</del> <del>b. NATO Stock Number.</del> <del>c. Model number, part number, and serial number.</del> <del>d. Type of item (for example, prototype, production item, laboratory model)</del> <del>e. Serial or lot number.</del> <del>f. Applicable engineering changes.</del> <del>g. Production item specification, if applicable.</del> <del>h. Date of manufacture.</del></p> <p><del>Test/inspection requirements. Complete identification of the test/inspection requirements correlated to contractual requirements including the following:</del></p> <p><del>a. Required test/inspection parameters</del> <del>b. Performance requirements, acceptance or compliance limits, and environmental criteria.</del></p> <p><del>3. Summary. Complete test/inspection report summary including the following:</del></p> <p><del>a. A brief description of the significant test/inspection results, observations, conclusions, and recommendations covered in greater detail elsewhere in reports.</del> <del>b. Proposed corrective actions and schedules for failure or problems encountered.</del> <del>c. Identification of deviation, departures, or limitations.</del> <del>d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data.</del></p> <p><del>4. Reference Documents. Complete identification of all documents referenced in the test/inspection report including the following as applicable:</del></p> <p><del>a. Prior test/inspection reports on the same item.</del> <del>b. Test/inspection plans and procedure documents.</del> <del>c. Prior certification of compliance.</del> <del>d. Contractor's file designation where test/inspection records are maintained</del> <del>e. Input parameters used.</del></p> <p><del>The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be specified in the contract.</del></p> <p><del>5. Body of Document. For each test procedure, the following information is required:</del></p> <p><del>Test Equipment Identification. Complete identification of each item of test equipment used in the test/inspection including the following:</del></p> <p><del>a. Nomenclature.</del> <del>b. Model number.</del> <del>c. Serial number.</del> <del>d. Manufacturer.</del> <del>e. Calibration Status.</del> <del>f. Accuracy data.</del> <del>g. Comments, if applicable.</del></p> <p><del>Title/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:</del></p> <p><del>a. Location or orientation of the item;</del> <del>b. Location, orientation, or settings of the test equipment and instrumentation;</del> <del>c. Location, orientation, or setting of sensors and probes.</del> <del>d. Location, orientation of interconnections, cables, and hook ups.</del> <del>e. Electrical power, pneumatic, fluidic, and hydraulics requirements.</del></p> <p><del>Drawings, illustrations, and photographs may be used for clarification.</del></p> <p><del>Test/inspection procedures. Complete description of the procedures used in conducting</del></p>
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	<p><del>the test/inspection to include the following:</del></p> <ul style="list-style-type: none"><li><del>a. Item selection and inspection that verified suitability for test/inspection.</del></li><li><del>b. Summarized sequence of testing/inspection steps, including description of how the item was operated during the test/inspection steps, and any control conditions imposed.</del></li></ul> <p><del>Test/inspection results and analysis. A copy of all test/inspection results and analysis to include the following:</del></p> <p><del>Recorded Data. The actual recorded data. If the recorded data is extensive provide it as an appendix.</del></p> <p><del>Test/inspection results. Identification of all test/inspection results to include the following:</del></p> <ul style="list-style-type: none"><li><del>a. Matrices comparing results achieved against test/inspection objectives or requirements.</del></li><li><del>b. A discussion of these matrices as to their significance, and how they compare to any prior test/inspections.</del></li><li><del>c. Calculation examples</del></li><li><del>d. Discussion of anomalies, deviation, discrepancies, or failures, including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.</del></li></ul> <p><del>Conclusion: test/inspection conclusions are distinguished between objective and subjective to include the following:</del></p> <ul style="list-style-type: none"><li><del>a. The effectiveness of the test/inspection procedures in measuring item performance</del></li><li><del>b. The success or failure of the item to meet required test/inspection objectives.</del></li><li><del>c. The need for repeat, additional, or alternative tests/inspections.</del></li><li><del>d. The need for item redesign or further development.</del></li><li><del>e. The need for improved test/inspection procedures, techniques, or facilities.</del></li><li><del>f. The adequacy and completeness of the test/inspection requirements.</del></li></ul> <p><del>Recommendations: Recommendations appropriate to the test/inspection results and conclusions including the following:</del></p> <ul style="list-style-type: none"><li><del>a. Acceptability of the item tested/inspected (pass or fail)</del></li><li><del>b. Additional testing/inspection required.</del></li><li><del>c. Redesign required.</del></li><li><del>d. Problem resolution.</del></li><li><del>e. Test/inspection procedure or facility improvements.</del></li><li><del>f. Disposition of items tested/inspected.</del></li><li><del>g. Documentation changes required.</del></li><li><del>h. Testing/inspection improvements.</del></li></ul> <p><del>Authentication: The following certifications shall be included, as applicable:</del></p> <p><del>Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with the applicable test/inspection plans and procedures, and that the results are accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorised to make such certification, and any government witness.</del></p> <p><del>Authentication of prior validation. A statement identifying those requirements not tested/inspected or measured that were previously validated. Include identification of the data and method employed for such validation (for example, prior test/inspection, analytical verification, equivalent item, and so on). The authentication shall include the signature of a contractor representative authorised to make such authentication and any government witness.</del></p> <p><del>Authentication of acceptability. A statement that the item tested/inspected either passed or failed item acceptability requirements. This authentication shall include the signature of a contractor representative authorised to make such authentication and any government witness.</del></p>
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	<p><del>6. Appendices. Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the government, and test/inspection reports from any associated test/inspection activity that may have performed some of the testing/inspection requirements.</del></p>
10.3	<p>Delivery Instructions, Review and Approval requirements:</p> <ol style="list-style-type: none"><li>1. <del>Number of Copies/format:</del> 1 soft copy in MS word and PDF format.</li><li>2. <del>Delivery venue:</del> email</li><li>3. <del>First submission:</del> Test + 10 wd</li><li>4. <del>TAA Review/approval:</del> Yes/Yes</li><li>5. <del>Review/Approval lead time:</del> 10wd/10wd</li><li>6. <del>Subsequent Submission:</del> N/A</li><li>7. <del>Remarks:</del> Review and Approval run concurrently.</li></ol>

Production DIDs

There are no production DIDS

~~Installation and Set to Work DIDs~~

~~DID-ISW-00 Field Service Representative Report~~

1. TITLE		2. IDENTIFICATION NUMBER	
Field Service Representative Report		DID-ISW-00	
3. DESCRIPTION/PURPOSE The purpose of the Field Service Representative (FSR) Report is for the FSR supporting the executing agency (Ship's Staff, Fleet Maintenance Facility (FMF) Facility Personnel, and Shipyard) to report on the FSRs activities, observations and recommendations during a site visit. Canada will use FSR Reports in conjunction with execution agency task completion reports to accept the particular phase of the work, and once all tasks are complete, to accept the work overall.			
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-5	6. SOW SECTION 7.3.3, 7.3.5, 7.3.7	
7. APPLICATION / INTERRELATIONSHIP The FSR Report may be used in conjunction with the shipset Installation and Set to Work Procedures, Harbour Acceptance Procedures and Sea Acceptance Test Procedures.			
8. ORIGINATOR SM 4-5		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
10.1	Format: The FSR Report shall be prepared in Contractor's format in Microsoft Word.		
10.2	Content: The FSR report shall include as a minimum, the following content:  1. <del>Contract (Purchase Order) Number;</del> 2. <del>Call Up Number;</del> 3. <del>Date(s) of Service;</del> 4. <del>Name of the FSR;</del> 5. <del>Unit Visited, Location of Unit; (e.g. HMCS Chicoutimi, Victoria, Victoria, British Columbia)</del> 6. <del>Reason for Call Up;</del> 7. <del>Location of Work Within Unit;</del> 8. <del>Work Performed;</del> 9. <del>Additional Recommendations (if any); and</del> 10. <del>FSR Signature and Date.</del>		
10.3	Delivery Instructions, review and Approval Requirements 1. <del>Number of Copies/format: _____ 1 soft copy in MS word and PDF _____ format.</del> 2. <del>Delivery venue: _____ email</del> 3. <del>First submission: _____ FSR Visit + 10 wd</del>		

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	<p>4. TAA Review/approval: Yes/Yes</p> <p>5. Review/Approval lead time: 10wd/10wd</p> <p>6. Subsequent Submission: N/A</p> <p>7. Remarks: Review and Approval run concurrently</p>
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DID-ISW-01 Installation and Set to Work Procedure

1. TITLE		2. IDENTIFICATION NUMBER	
Installation and Set to Work Procedure		DID-ISW-01	
3. DESCRIPTION / PURPOSE The purpose of the Installation and Set to Work Procedure (ISWP) to provide guidance to the executing personnel (Ship's Staff, Fleet Maintenance Facility Personnel, Shipyard, Contractor Field Service Representatives) on how to install and set to work the Equipment/System.			
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI) 4-6-2 Technical Authority, SM 4-5	6. SOW SECTION 7.2.1	
7. APPLICATION / INTERRELATIONSHIP The ISWP may be used in conjunction with the ISW Field Service Representative Report.			
8. ORIGINATOR SM 4-5		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
Reference: DID-TST-03			
10.1	Format: The ISWP must be prepared, following the guidance at the reference, in Contractor's format in Microsoft Word.		
10.2	Content: The ISWP must include as a minimum, as required:		
	1. Procedures for making safe the interfaces to the Equipment/System to be replaced (see 2 below);		
	2. Procedures for disconnecting all Equipment/System to be replaced interfaces including:		
	— a. Electrical/Control;		
	— b. Hydraulic;		
	— c. Cooling;		
	— d. Mechanical to Other System components;		
	— e. Mechanical Mounting; and		
	— f. Any Other Interfaces.		
	3. Procedures for physical removal of Equipment/System to be replaced.		
	4. Procedures for any special preparation of replacement Equipment/System prior to physical placement.		
	5. Procedures for physical placement of replacement Equipment/System.		
	6. Procedures for physical alignment of replacement Equipment/System (if required) within the higher level system.		
	7. Procedures for connecting all replacement Equipment/System interfaces (see 2. Above).		
	8. Procedures for testing all replacement Equipment/System interfaces.		
	9. Procedures for setting to work the replacement Equipment/System.		
10.3	Delivery Instructions, Review and Approval Requirements:		
	1. Number of Copies/Format: 1 soft copy in MS Word and .PDF format.		
	2. Delivery Venue: email or FTP		
	3. First Submission: PRR Meeting -20wd		
	4. TAA Review/Approval: Yes/Yes		
	5. Review/Approval Lead Time: 20wd/20wd		
	6. Subsequent Submission: N/A		

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Buyer ID - Id de l'acheteur  
M59  
CCC No./N° CCC - FMS No./N° VME

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7. ~~Remarks:~~ ~~Review and Approval run concurrently~~

**DID-ISW-02 Harbour Acceptance Test Procedure**

<b>1. TITLE</b>		<b>2. IDENTIFICATION NUMBER</b>	
Harbor Acceptance Test Procedure		DID-ISW-02	
<b>3. DESCRIPTION / PURPOSE</b>			
The purpose of the Harbor Acceptance Test (HAT) Procedure is to provide guidance to the executing personnel (Ship's Staff, Fleet Maintenance Facility Personnel, Shipyard, Contractor Field Service Representatives) on how to perform First of Class (FOC) and Follow-On (FO) Class HAT tests on the installed, set-to-work and functionally tested Equipment/System. Note: FOC HATs are those tests associated with the verification of the design that have to be performed on board. They will only be performed once during the project and will not be repeated with each type of FO Class. There may be an alongside and an at sea portion of FOC HATs.			
<b>4. APPROVAL DATE</b>	<b>5. OFFICE OF PRIMARY INTEREST (OPI)</b>		<b>6. SOW SECTION</b>
	4-6-2 Technical Authority, SM 4-5		7.2.2
<b>7. APPLICATION / INTERRELATIONSHIP</b>			
The HAT Procedure may be used in conjunction with the ISW Procedures and HAT Field Service Representative Reports.			
<b>8. ORIGINATOR</b>		<b>9. APPLICABLE FORMS</b>	
SM 4-5			
<b>10. PREPARATION INSTRUCTIONS</b>			
Reference: DID-TST-02 Test Procedure			
10.1	Format: The HAT Procedure must be prepared, following the guidance at the reference, in Contractor's format in Microsoft Word.		
10.2	Content: The HAT Procedure must include as a minimum, as required: 1. FOC HAT tests required to prove the design. 2. FO Class HAT tests. Note: these may be a subset of the FOC FTs.		
10.3	Delivery Instructions, Review and Approval Requirements: 1. Number of Copies/Format: 1 soft copy in MS Word and .PDF format. 2. Delivery Venue: email or FTP 3. First Submission: PRR Meeting -20wd 4. TAA Review/Approval: Yes/Yes 5. Review/Approval Lead Time: 20wd/20wd 6. Subsequent Submission: N/A 7. Remarks: Review and Approval run concurrently		

**DID-ISW-03 Sea Acceptance Test Procedure**

<b>1. TITLE</b>		<b>2. IDENTIFICATION NUMBER</b>	
Sea Acceptance Test Procedure		DID-ISW-03	
<b>3. DESCRIPTION / PURPOSE</b>			
The purpose of the Sea Acceptance Test (SAT) Procedure is to provide guidance to the executing personnel (Ship's Staff, Fleet Maintenance Facility Personnel, Shipyard, Contractor Field Service Representatives) on how to perform First of Class (FOC) and Follow-On (FO) Class SAT tests on the installed, set-to-work, functionally and harbor acceptance tested Equipment/System. Note: FOC SATs are those tests associated with the verification of the design that have to be performed on board. They will only be performed once during the project and will not be repeated with each type of FO Class. There may be an alongside and an at sea portion of FOC SATs.			
<b>4. APPROVAL DATE</b>		<b>5. OFFICE OF PRIMARY INTEREST (OPI)</b>	
		Technical Authority, SM 4-5	
<b>6. SOW SECTION</b>			
7.2.3			
<b>7. APPLICATION / INTERRELATIONSHIP</b>			
The SAT Procedure may be used in conjunction with the Harbor Acceptance Test Procedures, and SAT Field Service Representative Reports.			
<b>8. ORIGINATOR</b>		<b>9. APPLICABLE FORMS</b>	
SM 4-5			
<b>10. PREPARATION INSTRUCTIONS</b>			
Reference: DID-TST-02 Test Procedure			
10.1	Format: The SAT Procedure must be prepared, following the guidance at the reference, in Contractor's format in Microsoft Word.		
10.2	Content: The SAT Procedure must include as a minimum, as required: 1. FOC SAT tests required to prove the design. 2. FO Class SAT tests. Note: these may be a subset of the FOC SAT tests.		
10.3	Delivery Instructions, Review and Approval Requirements: 1. Number of Copies/Format: 1 soft copy in MS Word and PDF format. 2. Delivery Venue: email or FTP 3. First Submission: PRR Meeting -20wd 4. TAA Review/Approval: Yes/Yes 5. Review/Approval Lead Time: 20wd/20wd 6. Subsequent Submission: N/A 7. Remarks: Review and Approval run concurrently		



Quality Assurance DIDs

There are no QA DIDs

Configuration Management DIDs

DID-CM-01 Configuration Status Account

1. TITLE		2. IDENTIFICATION NUMBER	
Configuration Status Accounting		DID-CM-01	
3. DESCRIPTION/PURPOSE			
The Configuration Status Account (CSA) is a database that collects, records, stores, handles, verifies and validates and present Configuration Status Accounting Information for each Configuration Item identified with the Configuration Management Plan that is under configuration management and control.			
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI)	6. SOW SECTION	
	SM 4-6-2 Technical Authority SM 4-5	9.2.1	
7. APPLICATION / INTERRELATIONSHIP			
The CSA may be used in conjunction with the deliverables documents and items of supply.			
8. ORIGINATOR		9. APPLICABLE FORMS	
SM 4-5			
10. PREPARATION INSTRUCTIONS			
10.1	Format: The CSA shall be prepared in Contractor format in Microsoft Excel.		
10.2	Content: A Configuration Items Record in CSA shall as a minimum include:		
	<ol style="list-style-type: none"> <li>1. An indentured list of the item and its sub-components.</li> <li>2. For each indentured item (or sub-component): <ol style="list-style-type: none"> <li>a. The current approved configuration identifier;</li> <li>b. Reference to its associated documentation;</li> <li>c. Proposed changes from initiation, review, approval, disapproval, and implementation;</li> <li>d. Configuration audit results and disposition of identified discrepancies;</li> <li>e. Installation status of approved configuration changes to all CIs at all locations;</li> <li>f. Next higher assembly using the part number, except for assembly into standard parts;</li> <li>g. Composition of any CI or part number with respect to other CIs or part numbers;</li> <li>h. Series number associated with part numbers;</li> <li>i. Critical components by both part number and serial number;</li> <li>j. Reference to specification control numbers associated with any contractor, subcontractor, vendor, or supplier part number;</li> <li>k. Reference to all changes to superseded configuration formally accepted by Canada; and</li> <li>l. All Engineering Changes released for production incorporation.</li> </ol> </li> </ol>		
10.3	Delivery Instructions, review and Approval Requirements		
	<ol style="list-style-type: none"> <li>1. Number of Copies/format: _____ 1 soft copy in MS excel and PDF _____ format.</li> <li>3. Delivery venue: _____ email</li> <li>4. First submission: _____ PRR — 10 wd</li> </ol>		

Solicitation No. - N° de l'invitation

W8482-218424/A

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

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Amd. No. - N° de la modif.

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File No. - N° du dossier

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Buyer ID - Id de l'acheteur

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	5. TAA Review/approval: Yes/NA
	6. Review/Approval lead time: 10/NA
	7. Subsequent Submission: Production Complete +20wd
	Remarks: NA

**DID-CM-02 Configuration Status Account Reports**

<b>1. TITLE</b> Configuration Status Account Report		<b>2. IDENTIFICATION NUMBER</b> DID-CM-02	
<b>3. DESCRIPTION/PURPOSE</b> The Configuration Status Account (CSA) Report provides details about the Configuration Items (CI) being developed under the contract; documentation and identification numbers relating to those CIs and changes to items and their configuration documentation.			
<b>4. APPROVAL DATE</b>	<b>5. OFFICE OF PRIMARY INTEREST (OPI)</b> SM 4-6-2 Technical Authority SM 4-5	<b>6. SOW SECTION</b> 9.3.3	
<b>7. APPLICATION / INTERRELATIONSHIP</b> The CSA Report may be used in conjunction with the Configuration Status Account.			
<b>8. ORIGINATOR</b> SM 4-5		<b>9. APPLICABLE FORMS</b>	
<b>10. PREPARATION INSTRUCTIONS</b>			
Reference: ANSI/EIA 649-B Configuration Management Standard.			
10.1	Format: The CSA Report shall be prepared in Contractor format in Microsoft Word.		
10.2	<p>Contents: The CSA Report shall include:</p> <ol style="list-style-type: none"> <li>1. Data from the CSA database including: <ol style="list-style-type: none"> <li>a. The identification of the currently approved configuration documentation and configuration identifiers associated with each CI;</li> <li>b. The status of proposed engineering changes from initiation to implementation;</li> <li>c. The status and disposition of discrepancies from configuration audits;</li> <li>d. The status of requests for deviation and waivers;</li> <li>e. The ability to trace changes from the baseline documentation of each CI; and</li> <li>f. The effectiveness and installation status of configuration changes to all CIs at all locations.</li> </ol> </li> <li>2. The CSA Report shall identify design information using descriptive documentation and identification numbers meeting the requirements of ANSI/EIA 649: <ol style="list-style-type: none"> <li>a. Specification revision excepting that reference to Source Control Numbers does not apply;</li> <li>b. Specification revision history excepting that reference to SCNs does not apply;</li> <li>c. Drawing revision level;</li> <li>d. Drawing revision history;</li> <li>e. Software version level;</li> <li>f. Software version history; and</li> <li>g. CI component indented listing.</li> </ol> </li> <li>3. The CSA Report shall include current information about active change processing meeting the requirements of ANSI/EIA 649: <ol style="list-style-type: none"> <li>a. Change being processed status;</li> <li>b. Change being processed history;</li> <li>c. Event Date Entries; and</li> <li>d. Change processing history.</li> </ol> </li> <li>4. The CSA Report shall include current information about approved changes to CIs.</li> <li>5. The CSA Report shall include current information about implementation of approved changes meeting the requirements of ANSI/EIA 649;</li> </ol>		

10.3	<p><del>a. Approved change implementation activities;</del> <del>b. Drawing revision activity;</del> <del>c. Software revision activity;</del> <del>d. Technical manual and other related document preparation/revision;</del> <del>e. Spare purchases and distribution;</del> <del>f. Support equipment design, purchase or modification; and</del> <del>g. Retrofit/modification kit development</del></p> <p><del>6. The CSA Report shall include current information about configuration items meeting the requirements of ANSI/EIA 649-B.</del></p> <p><b>Delivery Instructions, review and Approval Requirements</b></p> <p>1. <del>Number of Copies/format:</del> _____ 1 soft copy in MS WORD or PPT and _____ PDF format.</p> <p>2. <del>Delivery venue:</del> _____ email</p> <p>3. <del>First submission:</del> _____ PRR 10 wd</p> <p>4. <del>TAA Review/approval:</del> _____ Yes/NA</p> <p>5. <del>Review/Approval lead time:</del> _____ 10/10</p> <p>6. <del>Subsequent Submission:</del> _____ Production Complete +20 wd</p> <p>7. <del>Remarks:</del> _____ NA</p>
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**DID-CM-03 Master Record Index**

<b>1. TITLE</b> Master Record Index		<b>2. IDENTIFICATION NUMBER</b> DID-CM-03	
<b>3. DESCRIPTION/PURPOSE</b> The Master Record Index (MRI) defines the standard of build of the Equipment/System. The index comprises a key to the approved drawings and associated records and list all design changes introduced by amendment and modification.			
<b>4. APPROVAL DATE</b>	<b>5. OFFICE OF PRIMARY INTEREST (OPI)</b> SM 4-6-2 Technical Authority SM 4-5	<b>6. SOW SECTION</b> 9.3.4	
<b>7. APPLICATION / INTERRELATIONSHIP</b> The MRI may be used in conjunction with the Configuration Status Account and TDP Drawings.			
<b>8. ORIGINATOR</b> SM 4-5		<b>9. APPLICABLE FORMS</b>	
<b>10. PREPARATION INSTRUCTIONS</b>			
10.1	Format: The MRI shall be prepared in Contractor format in Microsoft Word.		
10.2	Content: As a minimum the MRI shall consist of the following: <ol style="list-style-type: none"> <li>1. Cover Letter</li> <li>2. Index of amendments and Modifications;</li> <li>3. Index of Subsidiary Master Record Indexes;</li> <li>4. Index of Configuration Items (CIs);</li> <li>5. Indentured Drawing List;</li> <li>6. Index of Configuration Documentation;</li> <li>7. Index of Technical Documents;</li> <li>8. Index of Engineering Change Proposals;</li> <li>9. Index of Request for Deviation and Waivers; and</li> <li>10. Index of Ancillary Equipment.</li> </ol> Sections shall have contents as defined in the attached section.		
10.3	Delivery Instructions, review and Approval Requirements <ol style="list-style-type: none"> <li>1. Number of Copies/format: 1 soft copy in MS Word or PPT and _____ PDF format.</li> <li>2. Delivery venue: email</li> <li>3. First submission: PRR - 10wd</li> <li>4. TAA Review/approval: Yes/NA</li> <li>5. Review/Approval lead time: 10/NA</li> <li>6. Subsequent Submission: Production Complete +10wd</li> <li>7. Remarks: NA</li> </ol>		

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## DID-CM-03 ATTACHMENT MASTER RECORD INDEX CONTENTS

### ~~1. INDEX OF CONFIGURATION ITEMS~~

~~1.1 The Index of Configuration Items shall list, in hierarchical form, all the CIs constituting the Equipment/System. The Index of Configuration Items shall be developed from data from the Configuration Item List.~~

~~1.2 For each CI, the Index of Configuration Items shall detail the following information:~~

- ~~a. CI Reference Number. This field shall detail the reference number allocated to the CI by the Contractor. This number is to relate the CI to higher level assembly to which it belongs in a hierarchical manner to system level;~~
- ~~b. CI Nomenclature. This field shall detail the name allocated to the CI;~~
- ~~c. CI Type. This field shall detail whether the CI is a Hardware Configuration Item (HWCI) or a Computer Software Configuration Item (CSCI);~~
- ~~d. HWCI. This field is applicable to CSCIs only and shall detail the HWCI the CSCI is resident in;~~
- ~~e. Subsystem. This field shall detail the CI's parent Subsystem.~~
- ~~f. System. This field shall detail the CI's parent Subsystem;~~
- ~~g. Design Organization. This field shall detail the organization responsible for design of the intent.~~

~~1.3 The Index of Configuration Items shall be sorted in System and then Subsystem order.~~

~~1.4 Headings shall be positioned in the Index of Configuration Items to identify where each System and Subsystem begin.~~

### ~~2. INDEX OF COMPONENTS~~

~~2.1 The Index of Components (IOC) shall be detailed in hierarchal form, the physical build structure of the System shall go down to and include piece parts. The Index of Components shall developed from the data contained in the Specifications and Drawings.~~

~~2.2 For each Item, in the IOC, the IOC shall detail the following information:~~

- ~~a. Indenture Level. This field shall document the indenture level of the item. The System is indenture level 1;~~
- ~~b. Part Number. This field shall document the Item's part Number;~~
- ~~c. Variant Number. When more than one variant of an item has been used in the construction of the System, the Part Number of each variant is to be given a variant number (e.g. 1, 2, and 3). This field shall default one (1) when only one variant of an Item has been used.~~
- ~~d. Part Number Status. This field shall contain the status of the part Number (e.g. PROPOSED, CURRENT, OBSOLETE, and HISTORICAL);~~

- e. ~~Quantity Fitted. This field shall contain document the quantity of the Item fitted to the Item's next higher assembly;~~
- f. ~~Drawing Number. This field shall document the Drawing Number of the Item; and~~
- g. ~~Nomenclature. This field shall document the Item's nomenclature. The IOC shall be sorted in System then Subsystem then CI order.~~

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### 3. ~~INDENTURED DRAWING LIST~~

- 3.1 ~~The Indentured Drawing List (IDL) shall list, in hierarchical form all the drawings constituting the System design, including Subcontractor drawings.~~
- 3.2 ~~For each drawing, the IDL shall detail following information:~~
  - a. ~~Indenture Level. This field shall document the indenture level of the drawing;~~
  - b. ~~Drawing Number. This field shall document the drawing number;~~
  - c. ~~Revision letter. This field shall contain document the latest revision letter of the drawing applicable to the System.~~
  - d. ~~Drawing Title. This field shall document the title of the drawing;~~
  - e. ~~Drawing type. This field shall document the drawing type which the drawing belongs to e.g. detail assembly Drawing, Specification Control drawing, Wiring List, etc.;~~
  - f. ~~Drawing Size. This field shall document the sheet size of the drawing e.g. A2, A3, etc; and~~
  - g. ~~Number of Sheets. This field shall document the number of sheets making up the drawing.~~

### 4. ~~INDEX OF CONFIGURATION DOCUMENTATION~~

- 4.1 ~~The Index of Configuration Documentation (IOCD) shall list the Configuration Documentation describing the functional, allocated and product baselines for the System (drawings are to be excluded form IOCD as they have been listed elsewhere).~~
- 4.2 ~~For each document, the IOCD shall detail the following information:~~
  - a. ~~CI reference Number. This field shall detail the CI Reference Number the Document is applicable to;~~
  - b. ~~CI Nomenclature. This field shall detail the CI's nomenclature;~~
  - c. ~~Document Reference Number. This field shall detail the Document's Reference Number;~~

- d. ~~Document Revision Number. This field shall detail the Revision Number of the Document; and~~
  - e. ~~Document Type. This field shall detail the type of document the Document belongs to (e.g. development Specifications, Test Requirement Document, Software Requirement Specification etc.).~~
- 4.3 ~~The following types of Configuration Documentation, as a minimum where produced, shall be included in the list:—~~
- a. ~~System Specifications,~~
  - b. ~~Development Specifications,~~
  - c. ~~Product Specifications,~~
  - d. ~~Interface Control documents,~~
  - e. ~~Software Requirements Specifications,~~
  - f. ~~Interface Requirements Specifications,~~
  - g. ~~Software Product Specifications,~~
  - h. ~~Software Version Descriptions,~~
  - i. ~~Software Design descriptions,~~
  - j. ~~Interface Design description,~~
  - k. ~~Database design descriptions,~~
  - l. ~~Material Specifications, and~~
  - m. ~~Process Specifications.~~
- 4.4 ~~The IOCD shall be divided into two (2) sections. Section 1 shall be sorted in System then Subsystem then CI order. Section 2 shall be sorted Document Type then Document Reference Number order.~~
- 
- 4.5 ~~Headings shall be positioned in section1 to indicate where each System, Subsystem and CI begins.~~
- 4.6 ~~Headings shall be positioned in Section 2 to indicate where each Document Type begins.~~
5. ~~INDEX OF TECHNICAL MANUALS~~
- 5.1 ~~The Index of Technical Manuals (IOTM) shall list the technical manuals developed under the Contract.~~



~~5.2 — For each Technical Manual, the IOTM shall detail the following information:~~

- ~~a. — CFTO Number or equivalent. This field shall detail the DND CFTO Number or equivalent allocated to the Technical Manual. Where there is no need to allocate a DND CFTO Number to a Technical Manual this field is to contain the following entry:~~
- ~~b. — Contract Reference Number. This field shall detail the Contractor' Reference Number for the Technical manual;~~
- ~~c. — Title. This field shall detail the title of the Technical manual; and~~
- ~~d. — Related CIs. This field shall detail the Configuration Items the Technical Manual is applicable to.~~

~~5.3 — The IOTM shall be divided into two (2) sections. Section 1 shall be sorted in System then Subsystem then CI order. Section 2 shall be sorted in CFTO Number then Contractor Reference Number order. ———~~

~~5.4 — Headings shall be positioned in Section 1 to indicate where each System, Subsystem and CI begins.~~

~~5.5 — No headings need to be positioned in Section 2.~~

## ~~6. INDEX OF MAJOR ENGINEERING CHANGES PROPOSALS~~

~~6.1 — The Index of Major Engineering Change Proposals (ECPs) shall document all Major ECPs raised against the System and its constituents Items during the Contract, including those raised by the Subcontractors.~~

~~6.2 — For each ECP, the Index of Major ECPs shall detail the following information:~~

- ~~a. — ECP Number. This field shall document the unique ECP identification number;~~
- ~~b. — ECP Revision Letter. This field shall document the revision level of the ECP;~~
- ~~c. — ECP Justification Code. This field is as defined in MIL-HDBK-61A;~~
- ~~d. — ECP Title. This field shall document the title of ECP;~~
- ~~e. — Date Raised. This field shall document the date the ECP was raised;~~
- ~~f. — ECP Status. This field shall document the status of ECP.~~
- ~~g. — Status Date. This field shall document the status of ECP of the ECP changed;~~
- ~~h. — CCB Decision. This field shall document the decision made by the Configuration Management Board (CCB);~~

- ~~i. Decision Date. This field shall contain the document the date of the CCB decisions;~~
- ~~j. Impacted CIs. This field shall document the CIs impacted by ECP;~~
- ~~k. Affected Part Numbers. This field shall document the CI Part No variants impacted by the ECP.~~
- ~~l. New Part Numbers. This field shall document the new CI Part No variants introduced as a result of the ECP. Where the new CI Part No is simply a re-identification of an existing Part No this relationship shall be clearly shown.~~
- ~~m. Production Effectivity. This field shall document the production effectivity of the ECP; and~~
- ~~n. Retrofit Effectivity. This field shall document the retrofit effectivity of the ECP.~~

#### ~~7. INDEX OF MINOR ENGINEERING CHANGE PROPOSAL~~

~~7.1 The Index of Minor Engineering Change Proposals (ECPs) shall document all Minor ECPs raised against the System and its constituent Items during the Contract, including those raised by the Subcontractors.~~

~~7.2 For each ECP, the Index of Minor ECPs shall detail the following information:~~

- ~~a. ECP Number. This field shall document the unique ECP identification number;~~
- ~~b. ECP Revision Letter. This field shall document the revision level of the ECP;~~
- ~~c. ECP Title. This field shall document the title or brief description of the ECP;~~
- ~~d. Date Raised. This field shall document the date the ECP was raised;~~
- ~~e. ECP Status. This field shall document the status of ECP.~~
- ~~f. Approval Authority. This field shall document who approved or rejected the ECP;~~
- ~~g. Decision Date. This field shall contain the document the date of the CCB decisions;~~
- ~~h. Impacted CIs. This field shall document the CIs impacted by ECP;~~
- ~~i. CI Part Numbers. This field shall document the CI Part No variants impacted by the ECP;~~
- ~~j. Production Effectivity. This field shall document the production effectivity of the ECP;~~

#### ~~8. INDEX OF REQUESTS FOR DEVIATION~~

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- ~~8.1 — The Index of Requests for Deviation (RFDs) shall document all RFDs raised against the System and its constituents Items during the Contract, including those raised by the Subcontractor.~~
- ~~8.2 — For each RFD, the Index of RFDs shall detail the following information:~~
- ~~a. RFD reference Number. This field shall document the unique RFD identification number;~~
  - ~~b. RFD Title/Description. This field shall document the title or provide a brief description of the RFD;~~
  - ~~c. RFD Class. This field shall document the class of the RFD i.e. Critical, Major or Minor;~~
  - ~~d. Date Raised. This document shall document the date the RFD was raised;~~
  - ~~e. RFD Status. This field shall document the status of the RFD;~~
  - ~~f. Approval Authority. This field shall document who approved or rejected the RFD;~~
  - ~~g. Decision Date. This field shall document the date the approval authority approved or rejected the RFD;~~
  - ~~h. Impacted CI. This field shall document the CI impacted by the RFD;~~
  - ~~i. CI Part Number. This field shall document the CI Part Number variant impacted by the RFD;~~
  - ~~j. Affected Part Number. This field shall document the Serial Number(s) of the Item subject to RFD;~~
  - ~~k. Affected Serial Numbers. This field shall document the Serial Number(s) of the Item subject to RFD;~~
  - ~~l. MMI Part Number. If the affected Item is not a Maintenance Managed Item (MMI) and does not build directly to the CI then this field shall document the Part Number of the higher level MMI; and~~
  - ~~m. MMI Serial Number(s). This field shall document the Serial Number(s) of the MMI specified at subparagraph (1).~~
- ~~8.3 — The Index of RFDs shall be divided into three (3) sections. Section 1 shall list RFDs classified as Critical, Section 2 shall list RFDs classified as Major and Section 3 shall list RFDs classified as Minor.~~
- ~~8.4 — Each section shall be further subdivided into two (2) Subsections. Section 1 shall be sorted in RFD Reference Number order. Subsection 2 shall be sorted in System then Subsystem then CI order.~~

~~8.5 — Headings shall be positioned in Subsection 2 to indicate where each System, Subsystem and CI begins.~~

~~8.6 — No headings need to be positioned in Subsection 1.~~

## ~~9. INDEX OF ANCILLARY EQUIPMENT~~

~~9.1 — The Index of Ancillary Equipment (IAE) shall list the Support and Test Equipment (S&TE) and Training Equipment (hereinafter known as Ancillary Equipment) required to support the maintenance/operation of the System and its constituent Items.~~

~~9.2 — For each piece of Ancillary Equipment, the IAE shall detail the following information:~~

~~a. — Ancillary Equipment Designation. This field shall document the designation of the Ancillary Equipment;~~

~~b. — Nomenclature. This field shall document the nomenclature of the Ancillary Equipment;~~

~~c. — Ancillary Equipment Type. This field shall document the support equipment type the Ancillary Equipment belongs to (for example Ground Support Equipment, Automatic Test Equipment, Special to Type tooling, etc.);~~

~~d. — Supported CI(s). this field shall document the CI(s) supported by the Ancillary Equipment~~

~~e. — CI part Number Variants. This field shall document the CI part Number variant(s) supported by the Ancillary Equipment; and~~

~~f. — Affected Part Numbers. If the Item(s) supported by the Ancillary Equipment is (are) below the CI level then this field shall document the Part Number(s) of the Item(s) supported by the Ancillary Equipment.~~

~~9.3 — The IAE shall be divided into two (2) Sections. Section 1 shall be sorted by Ancillary Equipment Type then by Ancillary Equipment Designation. Section 2 shall be sorted by Supported CI then Ancillary Equipment Type then Ancillary Equipment designation order.~~

~~9.4 — Headings shall be positioned in Section 1 to indicate where each Ancillary Equipment Type begins.~~

~~9.5 — Headings shall be positioned in Section 2 to indicate where each CI begins.~~

**Functional Configuration Audit Procedures**

No DID, in Contractor Format.

**DID-CM-04 Functional Configuration Audit Report**

<b>1. TITLE</b>		<b>2. IDENTIFICATION NUMBER</b>	
Functional Configuration Audit Report		DID-CM-04	
<b>3. DESCRIPTION/PURPOSE</b>			
The Functional Configuration Audit (FCA) Report provides the results of the FCA. The purpose of the FCA is to verify that the Configuration item's (CI) actual performance complies with its Design and Interface Requirements Specifications. Test data shall be reviewed to verify that the CI performs as required by its functional allocated configuration identification. The FCA is a prerequisite to design acceptance.			
<b>4. APPROVAL DATE</b>	<b>5. OFFICE OF PRIMARY INTEREST (OPI)</b>	<b>6. SOW SECTION</b>	
	SM 4-6-2 Technical Authority SM 4-5	9.4.1.3	
<b>7. APPLICATION / INTERRELATIONSHIP</b>			
The FCA Report may be used in conjunction with the System/Subsystem Specifications and Factory Acceptance Test procedures.			
<b>8. Originator</b>		<b>9. APPLICABLE FORMS</b>	
SM 4-5			
<b>10. PREPARATION INSTRUCTIONS</b>			
10.1	Format: The FCA Report shall be prepared in Contractor format in Microsoft Word.		
10.2	<p>Content: As a minimum the FCA Report shall include the following:</p> <ol style="list-style-type: none"> <li>1. FCA Pre-requisite Information: <ol style="list-style-type: none"> <li>a. Identify Canada and Contractor Representation;</li> <li>b. Identify item(s) that were audited: <ol style="list-style-type: none"> <li>i) Nomenclature</li> <li>ii) Specification Identification Number;</li> <li>iii) Configuration Number;</li> <li>iv) Current listing of all deviation/waivers against the configuration item either requested of, or approved by Canada</li> </ol> </li> </ol> </li> <li>2. Procedure and Requirements <ol style="list-style-type: none"> <li>a. Report on FCA Checklist used to identify documentation and CIs to be available and tasks to be accomplished at the FCA for the CI.</li> <li>b. Report on Test Procedures against Specification Requirements; <ol style="list-style-type: none"> <li>i) Test Plans, Specifications, descriptions, procedures, and reports for the CI;</li> <li>ii) List of successfully accomplished functional tests during with pre-acceptance data was recorded;</li> <li>iii) A complete list of successful functional tests if detailed test data are not recorded; and</li> <li>iv) A complete list of functional tests required by the specification but not yet performed (and where in the test and acceptance process they will be performed).</li> </ol> </li> </ol> </li> <li>3. Report Results <p>Report on sufficiency of testing accomplished with the approved test procedures and validated data (witnessed) to ensure CI functional performance as set forth in the specification meets the quality assurance provisions/qualification requirements</p> </li> </ol>		

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	<del>contained in the specification.</del>
10.3	<p><del>Delivery Instructions, review and Approval Requirements</del></p> <p>1. <del>Number of copies/format:</del> _____ 1 soft copy in MS Word or PPT and _____ PDF format.</p> <p>2. <del>Delivery venue:</del> _____ email</p> <p>3. <del>First submission:</del> _____ FCA + 10wd</p> <p>4. <del>TAA Review/approval:</del> _____ Yes/NA</p> <p>5. <del>Review/Approval lead time:</del> _____ 10/NA</p> <p>6. <del>Subsequent Submission:</del> _____ NA</p> <p>7. <del>Remarks:</del> _____ NA</p>

**Physical Configuration Audit Procedures**

No DID, in Contractor format.

**DID-CM-05 Physical Configuration Audit Report**

1. TITLE  Physical Configuration Audit Report		2. IDENTIFICATION NUMBER  DID-CM-05	
3. DESCRIPTION/PURPOSE The Physical Configuration Audit (PCA) Report provides the results of the PCA. The PCA is the formal examination of the as-built version of the Configuration Item (CI) against its design documentation in order to establish the product baseline. After successful completion of the PCA, all subsequent configuration changes are processed by engineering change action.			
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-5	6. SOW SECTION 9.4.2.3	
7. APPLICATION / INTERRELATIONSHIP The PCA Report may be used in conjunction with the System/Subsystem Specifications, Requirement Verification Cross Reference Matrix, First Article Test Plan, Factory Acceptance Test procedures, First of Class Functional Test Procedures, Functional Configuration Audit Report, and Requirement Verification Cross Reference Matrix.			
8. Originator SM 4-5		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
10.1	Format: The FCA Report shall be prepared in Contractor format in Microsoft Word.		
10.2	Content: As a minimum the PCA Report shall include the following: <ol style="list-style-type: none"> <li>1. PCA Pre-requisite Information: <ol style="list-style-type: none"> <li>a. Identify Canada and Contractor Representation;</li> <li>b. Identify item(s) that were audited: <ol style="list-style-type: none"> <li>i) Nomenclature</li> <li>ii) Specification Identification Number;</li> <li>iii) Configuration Number;</li> <li>iv) Current listing of all deviation/waivers against the configuration item either requested of, or approved by Canada</li> </ol> </li> </ol> </li> <li>2. Procedure and Requirements <ol style="list-style-type: none"> <li>c. Report on FCA Checklist used to identify documentation and CIs to be available and tasks to be accomplished at the FCA for the CI.</li> <li>d. Report on Test Procedures against Specification Requirements; <ol style="list-style-type: none"> <li>v) Test Plans, Specifications, descriptions, procedures, and reports for the CI;</li> <li>vi) List of successfully accomplished functional tests during with pre-acceptance data was recorded;</li> <li>vii) A complete list of successful functional tests if detailed test data are not recorded; and</li> <li>viii) A complete list of functional tests required by the specification but not yet performed (and where in the test and acceptance process they will be performed).</li> </ol> </li> </ol> </li> <li>3. Report results Report on sufficiency of testing accomplished with the approved test procedures and validated data (witnessed) to ensure CI functional performance as set forth in</li> </ol>		

10.3	<p><del>the specification meets the quality assurance provisions/qualification requirements contained in the specification.</del></p> <p><del>Delivery Instructions, review and Approval Requirements</del></p> <p>1. <del>Number of Copies/format:</del> 1 soft copy in MS Word or PPT and _____ PDF format.</p> <p>2. <del>Delivery venue:</del> email</p> <p>3. <del>First submission:</del> At meeting or meeting 10wd</p> <p>4. <del>TAA Review/approval:</del> Yes/NA</p> <p>5. <del>Review/Approval lead time:</del> 10/NA</p> <p>6. <del>Subsequent Submission:</del> NA</p> <p>7. <del>Remarks:</del> NA</p>
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**Integrated Logistics Support DIDs**

**DID-ILS-01 Naval Preventive Maintenance Plans and Schedules**

1. TITLE Naval Preventive Maintenance Plans and Schedules		2. IDENTIFICATION NUMBER DID-ILS-01	
3. DESCRIPTION/PURPOSE The purpose of the Naval Preventive Maintenance Plans and Schedule (NPMS) is to set out the maintenance routines that are carried out on the Equipment/System by Ship's Staff or by Fleet Maintenance Facility (FMF) Staff.			
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI) SM 4-6-2 Technical Authority SM 4-5	6. SOW SECTION 10.2.1	
7. APPLICATION / INTERRELATIONSHIP The NPMS may be used in conjunction with the Technical Manual, Recommended Spare Parts List, and Special Purpose Tools and Equipment List, As Delivered Drawings and Specifications.			
8. ORIGINATOR SM 4-5		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
	References: A. CFTO D-01-100-204/SF-008 — Preparation of Naval Preventive Maintenance Instructions, dated 28 February 2001. B. CFTO D-01-100/204/SF-009 — Specification of Naval Preventive Maintenance Schedules or Preventive Maintenance Schedule (Repair Facility), dated 25 September 2003		
10.1	Format: The NPMS contents shall be prepared, following the guidance at the references in Microsoft Word.		
10.2	Content: The NPMS contents shall be in accordance with the reference.		
10.3	Maintenance Schedules are to be built to support 2, 64 month operation periods between extended docking refits. Routines are to be scheduled, as required, as daily, weekly, monthly, 4 monthly, 8 monthly, 16 monthly, 32 monthly, and 64 monthly.  Delivery Instructions, review and Approval Requirements 1. Number of copies/format: 1 soft copy in MS word and PDF format. 2. Delivery venue: email 3. First submission: PRR Meeting 10 wd 4. TAA Review/approval: Yes/Yes 5. Review/Approval lead time: 60wd/60wd 6. Subsequent Submission: N/A 7. Remarks: Review and Approval run concurrently		

**DID-ILS-02 Standard Ship Maintenance and Repair Specifications**

1. TITLE Standard Ship Maintenance and Repair		2. IDENTIFICATION NUMBER DID-ILS-02	
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<b>Specifications</b>	
<b>3.DESCRPTION/PURPOSE</b> The purpose of the Standard Ship Maintenance and Repair Specifications (SSMRS) is to set out the Maintenance and Repair specifications to be undertaken during extended Docking Period (EDWP).	
<b>4.APPROVAL DATE</b>	<b>5. OFFICE OF PRIMARY INTEREST (OPI)</b> SM 4-6-2 Technical Authority SM 4-3
<b>6.SOW SECTION</b> 10.2.2	
<b>7.APPLICATION / INTERRELATIONSHIP</b> The SSMRS may be used in conjunction with the Technical Manual, As-Delivered Drawings and Specifications.	
<b>8.ORIGINATOR</b> SM 4-5	<b>9.APPLICABLE FORMS</b>
<b>10. PREPARATION INSTRUCTIONS</b>	
	References: CFTO D-01-100-231/SF-001 — Specification Preparation of Standard Ship Maintenance and Repair Specifications, dated 27 Nov 2011.
10.1	Format: The SSMRS contents be prepared, following the guidance at the references, in Microsoft Word.
10.2	Content: The SSMRS contents shall be in accordance with the reference
10.3	Delivery Instructions, review and Approval Requirements 1. Number of Copies/format: 1 soft copy in MS word and PDF format. 2. Delivery venue: email 3. First submission: PRR Meeting- 10 wd 4. TAA Review/approval: Yes/Yes 5. Review/Approval lead time: 60wd/60wd 6. Subsequent Submission: N/A 7. Remarks: Review and Approval run concurrently

**DID-ILS-03 Technical Data Package**

<b>1. TITLE</b>		<b>2. IDENTIFICATION NUMBER</b>	
Technical Data Package		DID-ILS-03	
<b>3. DESCRIPTION/PURPOSE</b> The purpose of the Technical Data Package (TDP) is to provide a final consolidated delivery of project developed Engineering and Integrated Logistics Support documentation required to support the equipment/system In-Service.			
<b>4. APPROVAL DATE</b>	<b>5. OFFICE OF PRIMARY INTEREST (OPI):</b> SM 4-6-2 Technical Authority SM 4-5	<b>6. SOW SECTION</b> 10.2.3	
<b>7. APPLICATION / INTERRELATIONSHIP</b> The TDP may be used in conjunction with the Technical Manual, As Delivered Drawings and Specifications.			
<b>8. ORIGINATOR</b> SM 4-5		<b>9. APPLICABLE FORMS</b>	
<b>10. PREPARATION INSTRUCTIONS</b>			
10.1	Format: The TDP elements shall be prepared, following the guidance of their associated DIDs, in their respective format.		
10.2	Contents: The TDP shall include: <ol style="list-style-type: none"> <li>1. <del>Technical Statement of Requirements (TSOR) (Proposal/Contracted). Contracted if different from Proposal.</del></li> <li>2. <del>System/subsystem Specifications (Final Version), including Procurement Specifications for OTS components.</del></li> <li>3. <del>Engineering Drawings and associated Lists (as Built Versions).</del></li> <li>4. <del>Material List (Final Version).</del></li> <li>5. <del>Safety Data Sheet.</del></li> <li>6. <del>Technical manuals (final Version).</del></li> <li>7. <del>Training Material.</del></li> <li>8. <del>Approved Spare parts List (Parts Provisioning Breakdown (PPB)).</del></li> <li>9. <del>Approved SPTATE List.</del></li> <li>10. <del>Installation/Set to Work procedure (Final Version).</del></li> <li>11. <del>Functional Test Procedure (Final Version).</del></li> <li>12. <del>Harbour Acceptance Test Procedure (Final Version).</del></li> <li>13. <del>Sea Acceptance Test Procedure (final version).</del></li> <li>14. <del>Naval Preventive Maintenance Schedules.</del></li> <li>15. <del>Standard Ship Maintenance and Repair Specifications.</del></li> </ol>		
10.3	Delivery Instructions, review and Approval Requirements <ol style="list-style-type: none"> <li>1. <del>Number of Copies/format: _____ 1 soft copy in MS word or PPT and _____ PDF format.</del></li> <li>2. <del>Delivery venue: _____ email</del></li> <li>3. <del>First submission: _____ 1<sup>ST</sup> Delivery + 10 wd</del></li> <li>4. <del>TAA Review/approval: _____ Yes/Yes</del></li> <li>5. <del>Review/Approval lead time: _____ 20wd/20wd</del></li> <li>6. <del>Subsequent Submission: _____ N/A</del></li> <li>7. <del>Remarks: _____ Review and Approval run _____ concurrently</del></li> </ol>		

**DID-ILS-04 Recommended Spare Parts List**

1. TITLE		2. IDENTIFICATION NUMBER	
Recommended Spare Parts List		DID-ILS-04	
3. DESCRIPTION / PURPOSE The purpose of the Recommended Spare Parts List (RSPL) is to propose a list of recommended Installation, On-board, and Depot level Spares required to support the Equipment/System.			
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI)4-6-2 Technical Authority, SM 4-5	6. SOW SECTION 10.2.4.2.1	
7. APPLICATION / INTERRELATIONSHIP The RSPL may be used in conjunction with the Contract, Technical Manual, Recommended Special Purpose Tools and Test Equipment List, As Delivered Specifications and Drawings.			
8. ORIGINATOR SM 4-5		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS			
References: CFTO D-01-100-214/SF-000 — Preparation of Provisioning Documentation for CF Equipment, dated 1 May 2002			
10.1	Format: The RSPL must be prepared, following the guidance at the references, in Microsoft Excel.		
10.2	Content: 1. The RSPL for each type of listed item must, have the following completed data fields: a. Item Number (unique sequence number for the list); b. Indenture Code; c. Item Name; d. Reference (Manufacturer's Part) Number; e. NSCM/CAGE Code; f. OEM Part Number; g. NATO Stock Number (if available); h. Quantity Per Assembly; i. Standard Unit Price; j. Unit of Issue (UOI); k. Unit of Measure; l. Reparability Indicator (REP); m. Government Supplied Material (GSM); n. Procurement Lead Time (PLT); o. Reference Designation; p. Shelf Life; q. Usage Rate; r. Mean Time Between Failure; s. Recommended Buy Quantity Total summing up: 1) Recommended Buy Installation Spares/Shipset; 2) Recommended Buy On-Board Spares/Shipset; 3) Recommended Buy Depot Spares t. SMR Code; u. Logistics Control Number (LCN); v. Used On Code;		

	<p><del>w. Extended Price Per Item (Standard Unit Price times Recommended Buy Quantity).</del> <del>The RSPL must have a recommended Total RSPL price summing up the Extended Price Per Items.</del></p> <p><del>2. Sparing Assumptions:</del></p> <ul style="list-style-type: none"><li><del>a. Installation Assume quantity four (4) submarine installs.</del></li><li><del>b. On-Board Maintenance Assume quantity four (4) submarines.</del></li><li><del>c. Depot Assume quantity 1 supply depot.</del></li><li><del>d. Two (2) years worth of On-Board Spares</del></li><li><del>e. Two (2) years worth of Depot Spares.</del></li></ul> <p><del>Delivery Instructions, Review and Approval Requirements:</del></p> <ul style="list-style-type: none"><li><del>1. Number of Copies/Format: 1 soft copy in MS Excel and PDF format.</del></li><li><del>2. Delivery Venue: email or FTP</del></li><li><del>3. First Submission: Proposal</del></li><li><del>4. TAA Review/Approval: Yes/Yes</del></li><li><del>5. Review/Approval Lead Time: 20/20</del></li><li><del>6. Subsequent Submission: Once DND has reviewed, requested changes.</del></li><li><del>7. Remarks: Review and approval run concurrently</del></li></ul>
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10.3

**DID-ILS-05 Provisioning Parts Breakdown**

<b>1. TITLE</b> Provisioning Parts Breakdown		<b>2. IDENTIFICATION NUMBER</b> DID-ILS-05	
<b>3. DESCRIPTION / PURPOSE</b> The purpose of Provisioning Parts Breakdown (PPB) is to provide the approved list of Installation, On-Board and Depot Level Spares required to support the equipment/system.			
<b>4. APPROVAL DATE</b>	<b>5. OFFICE OF PRIMARY INTEREST (OPI) 4-6-2</b> Technical Authority, SM 4-5	<b>6. SOW SECTION</b> 10.2.4.2.4	
<b>7. APPLICATION / INTERRELATIONSHIP</b> The PPB may be used in conjunction with the Contract, Technical Manual, Recommended Spare Parts List, As Delivered Specifications and Drawings.			
<b>8. ORIGINATOR</b> SM 4-5		<b>9. APPLICABLE FORMS</b>	
<b>10. PREPARATION INSTRUCTIONS</b>			
References: CFTO D-01-100-214/SF-000 — Preparation of Provisioning Documentation for CF Equipment, dated 1 May 2002			
10.1	Format: The PPB must be prepared, following the guidance at the references, in Microsoft Excel.		
10.2	Content: The PPB, as a minimum, must have the following content for each type of line:		
	1. The RSPL for each type of listed item must have the following completed data fields:		
	a. Item Number (unique sequence number for the list);		
	b. Indenture Code;		
	c. Item Name;		
	d. Reference (Manufacturer's Part) Number;		
	e. NSCM/CAGE Code;		
	f. OEM Part Number;		
	g. NATO Stock Number (if available);		
	h. Quantity Per Assembly;		
	i. Standard Unit Price;		
	j. Unit of Issue (UOI);		
	k. Unit of Measure;		
	l. Reparability Indicator (REP);		
	m. Government Supplied Material (GSM);		
	n. Procurement Lead Time (PLT);		
	o. Reference Designation;		
	p. Shelf Life;		
	q. Usage Rate;		
	r. Mean Time Between Failure;		
	s. Recommended Buy Quantity Total summing up:		
	1) Approved Buy Installation Spares/Shipset;		
	2) Approved Buy On-Board Spares/Shipset;		
	3) Approved Buy Depot Spares		
	t. SMR Code;		

- ~~u. Logistics Control Number (LCN);~~
- ~~v. Used On Code;~~
- ~~w. Extended Price Per Item (Standard Unit Price times Recommended Buy Quantity).~~

~~2. Supplementary Provisioning Technical Documentation (SPTD). For each type of item that has not already been assigned a NATO Stock Number (NSN), the following Supplementary Provisioning Technical Documentation is required to assist in the NSN cataloguing process:~~

- ~~a. Item Name,~~
- ~~b. Manufacturer's Part Number,~~
- ~~c. CAGE Code, and~~
- ~~d. As applicable:~~
  - ~~i. Configuration drawing of item, assembly, wiring or schematic drawing, illustrated parts list;~~
  - ~~ii. Technical Specification, including relevant standard;~~
  - ~~iii. Physical Characteristics, such as dimensions, tolerances, materials, mandatory processes, surface finish, protective coating;~~
  - ~~iv. Electrical Characteristics;~~
  - ~~v. Performance data, including the environmental and operating conditions under which the item must perform;~~
  - ~~vi. Mounting Requirements;~~
  - ~~vii. Special features which contribute to the uniqueness of the item; and~~
  - ~~viii. Commercial Catalogue Data.~~

~~3. The SPTD must be sequenced in the same order as the provisioning list that it supplements;~~

~~4. The SPTD must include identification of any limitations on the use or publication of any data provided.~~

~~Delivery Instructions, Review and Approval Requirements:~~

- ~~1. Number of Copies/Format: 1 soft copy in MS Excel and PDF format.~~
- ~~2. Delivery Venue: email or FTP~~
- ~~3. First Submission: With spares delivery~~
- ~~4. TAA Review/Approval: Yes/Yes~~
- ~~5. Review/Approval Lead Time: 20/20~~
- ~~6. Subsequent Submission: N/A~~
- ~~7. Remarks: Review and Approval run concurrently~~

10.3

**DID-ILS-06 SPTATE List**

<b>1. TITLE</b>		<b>2. IDENTIFICATION NUMBER</b>	
<del>Special Purpose Tools and Test Equipment List</del>		DID-ILS-06	
<b>3. DESCRIPTION / PURPOSE</b>			
The purpose of the Special Purpose Tools and Test Equipment (SPTATE) List is to provide a list of recommended Installation, On-board, and Repair Facility SPTATE required to support the Equipment/System.			
<b>4. APPROVAL DATE</b>		<b>5. OFFICE OF PRIMARY INTEREST (OPI) 4-6-2</b>	<b>6. SOW SECTION</b>
		Technical Authority, SM 4-5	10.2.5.1.4
<b>7. APPLICATION / INTERRELATIONSHIP</b>			
The SPTATE List may be used in conjunction with the Contract, Technical Manual, Recommended Spare Parts List, As Delivered Specifications and Drawings.			
<b>8. ORIGINATOR</b>		<b>9. APPLICABLE FORMS</b>	
SM 4-5			
<b>10. PREPARATION INSTRUCTIONS</b>			
References: <del>CFTO D-01-100-214/SF-000</del> — Preparation of Provisioning Documentation for CF Equipment, dated 1 May 2002			
10.1 <del>Format:</del> The SPTATE List must be prepared, following the guidance at the references, in Microsoft Excel.			
10.2 <del>Content:</del> The SPTATE List, as a minimum must have the following content for each type of line:			
1. For each type of proposed SPTATE item include:			
— a. Part Description;			
— b. Manufacturer's Part Number;			
— c. Original Equipment Manufacturer (OEM);			
— d. OEM NSCM/CAGE Code;			
— e. OEM Part Number;			
— f. NATO Stock Number (if available);			
— g. Procurement Lead Time (PLT);			
— h. Recommended Quantity Buy to Support Installation;			
— i. Recommended Quantity Buy Per On-Board Maintenance;			
— j. Recommended Quantity Per Repair Facility Maintenance;			
— k. Total Quantity (Installation, On-Board, Repair Facility);			
— l. Price Per item; and			
— m. Extended Price Per Item.			
2. For custom SPTATE, including automatic test equipment (ATE) include:			
— a. description and function of SPTATE; and			
— b. SPTATE development cost.			
3. SPTATE Assumptions:			
— a. Installation Assume quantity four (4) submarine installations.			
— b. On-Board Maintenance Assume quantity four (4) submarines.			
— c. Repair Facility Assume quantity two (2) Fleet Maintenance Facilities.			



10.3	<p><del>Delivery Instructions, Review and Approval Requirements:</del></p> <ol style="list-style-type: none"><li><del>1. Number of Copies/Format: 1 soft copy MS Excel and PDF format.</del></li><li><del>2. Delivery Venue: email or FTP</del></li><li><del>3. First Submission: Proposal</del></li><li><del>4. TAA Review/Approval: Yes/Yes</del></li><li><del>5. Review/Approval Lead Time: 20/20</del></li><li><del>6. Subsequent Submission: Once DND has reviewed, requested changes.</del></li><li><del>7. Remarks: Review and Approval run concurrently</del></li></ol>
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**DID-ILS-07 Provisioning SPTATE Breakdown**

<b>1. TITLE</b>		<b>2. IDENTIFICATION NUMBER</b>	
Provisioning Special Purpose Tools and Test Equipment Breakdown		DID-ILS-07	
<b>3. DESCRIPTION / PURPOSE</b>			
The purpose of Provisioning Special Purpose Tools and Test Equipment Breakdown (PSB) is to provide the approved list of Installation, On-Board and Depot Level Spares required to support the equipment/system.			
<b>4. APPROVAL DATE</b>		<b>5. OFFICE OF PRIMARY INTEREST (OPI) 4-6-2</b>	<b>6. SOW SECTION</b>
		Technical Authority, SM 4-5	10.2.5.1.4
<b>7. APPLICATION / INTERRELATIONSHIP</b>			
The Provisioning SPTATE Breakdown may be used in conjunction with the Contract, Technical Manual, Provisioning Parts Breakdown, As Delivered Specifications and Drawings.			
<b>8. ORIGINATOR</b>		<b>9. APPLICABLE FORMS</b>	
SM 4-5			
<b>10. PREPARATION INSTRUCTIONS</b>			
References: <del>CF TO D-01-100-214/SF-000</del> Preparation of Provisioning Documentation for CF Equipment, dated 1 May 2002			
10.1 Format: The PSB must be prepared, following the guidance at the references, in Microsoft Excel.			
Content: The PSB, as a minimum must have the following content for each type of line:			
10.2 1. For each type of approved SPTATE item include:			
a. Part Description;			
b. Manufacturer's Part Number;			
c. Original Equipment Manufacturer (OEM);			
d. OEM NSCM/CAGE Code;			
e. OEM Part Number;			
f. NATO Stock Number (if available);			
g. Procurement Lead Time (PLT);			
h. Approved Quantity Buy to Support Installation;			
i. Approved Quantity Buy Per On-Board Maintenance;			
j. Approved Quantity Per Repair Facility Maintenance;			
k. Total Quantity (Installation, On-Board, Repair Facility);			
l. Price Per item; and			
m. Extended Price Per Item.			
SPTATE Assumptions:			
1. Installation — Assume quantity four (4) submarines.			
2. On-Board Maintenance Assume quantity four (4) submarines.			
3. Repair Facility Assume quantity two (2) Fleet Maintenance Facilities.			
Delivery Instructions, Review and Approval Requirements:			

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File No. - N° du dossier  
W8482-218424

Buyer ID - Id de l'acheteur  
M59  
CCC No./N° CCC - FMS No./N° VME

10.3	<p>1. <del>Number of Copies/Format:</del> 1 soft copy MS Excel and PDF format.</p> <p>2. <del>Delivery Venue:</del> email or FTP</p> <p>3. <del>First Submission:</del> With SPTATE delivery</p> <p>4. <del>TAA Review/Approval:</del> Yes/Yes</p> <p>5. <del>Review/Approval Lead Time:</del> 20/20</p> <p>6. <del>Subsequent Submission:</del> N/A</p> <p>7. <del>Remarks:</del> Review and Approval run concurrently</p>
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**DID-ILS-08 Contractor End Item List**

<b>1. TITLE</b>		<b>2. IDENTIFICATION NUMBER</b>	
<del>Contractor End Items List (CEIL)</del>		DID-ILS-08	
<b>3. DESCRIPTION / PURPOSE</b>			
The purpose of the Contractor End Items List (CEIL) is to provide a list of all delivered items (excluding CDRL items) and where they were shipped to.			
<b>4. APPROVAL DATE</b>	<b>5. OFFICE OF PRIMARY INTEREST (OPI) 4-</b>	<b>6. SOW SECTION</b>	
	6-2  Technical Authority, SM 4-5	10.2.6.6	
<b>7. APPLICATION / INTERRELATIONSHIP</b>			
The CEIL may be used in conjunction with the Contract and its associated non-CDRL deliverables.			
<b>8. ORIGINATOR</b>		<b>9. APPLICABLE FORMS</b>	
SM 4-5			
<b>10. PREPARATION INSTRUCTIONS</b>			
10.1	Format: The SPTATE List must be prepared, in Contractor format in Microsoft Word.		
10.2	Content: As a minimum the CEIL should include for each delivered item:		
	1. Item #,		
	2. Description,		
	3. Quantity, and		
	4. Shipped to.		
10.3	Delivery Instructions, Review and Approval Requirements:		
	1. Number of Copies/Format: 1 soft copy in source format and .PDF format.		
	2. Delivery Venue: email or FTP		
	3. First Submission: Final Shipset Delivery		
	4. TAA Review/Approval: Yes/N/A		
	5. Review/Approval Lead Time: 20//20		
	6. Subsequent Submission: N/A		
	7. Remarks: N/A		

DID-ILS-09 Technical Manual

1. TITLE Technical Manual		2. IDENTIFICATION NUMBER DID-ILS-09	
3. DESCRIPTION/PURPOSE: The purpose of the Technical Manual (TM) is to provide instructions for the Operation and Maintenance of the Equipment or System.			
4. APPROVAL DATE:		5. OFFICE OF PRIMARY INTEREST (OPI): SM 4-6-2 Technical Authority SM 4-5	6. SOW SECTION 10.2.7
7. APPLICATION / INTERRELATIONSHIP: The TM may be used in conjunction with the Recommended Spare Parts List, Special Purpose Tools and Test Equipment List, As Delivered Specifications, As Delivered Drawings, Naval Preventive Schedules, Standard Ship Maintenance and Repair Specifications, and Training Documentation.			
8. ORIGINATOR: SM 4-5		9. APPLICABLE FORMS:	
10. PREPARATION INSTRUCTIONS			
10.1		Reference: CFTO C-01-100-100/AG-006 – Writing Format and Production Technical Publications, dated 1 March 1996.	
10.2		The TM shall be prepared, following the guidance at the references, in Microsoft Word.	
		Content: The TM, as a minimum, shall have the following content as applicable.	
		<ol style="list-style-type: none"> <li>1. Purpose</li> <li>2. Identify <ol style="list-style-type: none"> <li>a. Manufacturer/Supplier, and</li> <li>b. Equipment location x Quantity, Type/stock Code NSN&gt;</li> </ol> </li> <li>3. Design and performance Data <ol style="list-style-type: none"> <li>a. May reference associated publications.</li> <li>4. Service Required <ol style="list-style-type: none"> <li>a. Identify Power and other services.</li> </ol> </li> <li>5. Logistics Requirements <ol style="list-style-type: none"> <li>a. Identify any special logistics requirements.</li> </ol> </li> <li>6. Safety Precautions.</li> <li>7. Associated Documentation <ol style="list-style-type: none"> <li>a. Maintenance Schedules;</li> <li>b. Drawings;</li> <li>c. Ship's Operating Procedures (SOP); and</li> <li>d. Emergency Operating procedures (EOPs).</li> </ol> </li> <li>8. Functional Diagrams</li> <li>9. Operating Information <ol style="list-style-type: none"> <li>a. Cautions <ol style="list-style-type: none"> <li>i) "Category 2 operating information defines the design performance intentions based on operational design intent. The equipment operation given in this category is based on manufacturer's recommendations, the procedures and sequences described do not override Ship's Operation Procedures (SOP) or Emergency Operating Procedures (EOP), local orders or statutory requirements concerning operating procedures or safety precautions any adequate or incorrect procedures should be reported to the appropriate administrative authority."</li> </ol> </li> <li>b. Operating Limitations</li> </ol> </li> </ol> </li></ol>	

10.3	<ul style="list-style-type: none"> <li>i) <del>Normal Mode</del></li> <li>ii) <del>Alternative Mode</del></li> <li>iii) <del>Arctic and Tropical Climates;</del></li> <li>iv) <del>Shore Supplies;</del></li> <li>v) <del>Radiation Hazard;</del></li> <li>vi) <del>Ships Listed; and</del></li> <li>vii) <del>Defects</del></li> <li>e. <del>Pre-start checks and Setting up prior to starting</del> <ul style="list-style-type: none"> <li>i) <del>Services required</del></li> <li>ii) <del>Equipment/system — general</del></li> <li>iii) <del>Equipment/System Sub- Elements Specific</del></li> </ul> </li> <li>d. <del>Starting Procedures</del> <ul style="list-style-type: none"> <li>i) <del>Normal Mode</del></li> <li>ii) <del>Alternative Mode</del></li> </ul> </li> <li>e. <del>Running Procedures</del> <ul style="list-style-type: none"> <li>i) <del>Normal Mode</del></li> <li>ii) <del>Equipment/System Sub-Systems elements; and</del></li> <li>iii) <del>Additional elements</del></li> </ul> </li> <li>f. <del>Control change-over procedures</del></li> <li>g. <del>Stopping Instructions</del> <ul style="list-style-type: none"> <li>i) <del>Normal Mode; and</del></li> <li>ii) <del>Alternative Mode.</del></li> </ul> </li> <li>h. <del>Maintenance Procedures</del> <ul style="list-style-type: none"> <li>i) <del>Shipboard refer to Ship's Staff NPMS; and</del></li> <li>ii) <del>Repair Facility refer to RF NPMS</del></li> </ul> </li> <li>i. <del>Emergency Procedures</del> <ul style="list-style-type: none"> <li>i) <del>Emergency Procedure 1;</del></li> <li>ii) <del>Emergency Procedure 2; and</del></li> <li>iii) <del>Emergency Procedures etc.</del></li> </ul> </li> <li>j. <del>Diagnostic and Repair Information 1;</del> <ul style="list-style-type: none"> <li>i) <del>Fault Diagnostic and Repair Information 1;</del></li> <li>ii) <del>Fault Diagnostic and Repair Information 2; and</del></li> <li>iii) <del>Fault Diagnostic and Repair information.</del></li> </ul> </li> <li>k. <del>Illustrated Parts Catalogue</del></li> </ul> <p>Insufficient detail to aid the identification of component parts or assemblies of parts to provide the information necessary for the demanding of spares.  Delivery Instructions, review and Approval Requirements</p> <ol style="list-style-type: none"> <li>1. <del>Number of Copies/format: _____ 1 soft copy in MS word or PPT and _____ PDF format.</del></li> <li>2. <del>Delivery venue: _____ email</del></li> <li>3. <del>First submission: _____ PRR — 10 wd</del></li> <li>4. <del>TAA Review/approval: _____ yes/yes</del></li> <li>5. <del>Review/Approval lead time: _____ 20/20</del></li> <li>6. <del>Subsequent Submission: _____ na</del></li> <li>7. <del>Remarks _____ n/a</del></li> </ol>
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DID-ILS-10 Training Documentation

1. TITLE	2. IDENTIFICATION NUMBER
Training Documentation	DID-ILS-10
3. DESCRIPTION / PURPOSE	
The purpose of the Training Documentation (TD) is to provide Training Course Material to support Operations and Maintenance Training for the Equipment/System.	

4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST (OPI) 4-6-2 Technical Authority, SM 4-5	6. SOW SECTION 10.2.9
7. APPLICATION / INTERRELATIONSHIP The TD may be used in conjunction with the Technical Manual, Recommended Spare Parts List, Special Purpose Tools and Test Equipment List, and Naval Preventive Maintenance Schedules.		
8. ORIGINATOR SM 4-5	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS		
10.1	Format: The TD must be prepared in Contractor format in Microsoft Word and/or Power Point.	
10.2	Content: The TD, as a minimum must cover, as a minimum: 1. Safety, 2. Theory of Operation, 3. Equipment/System Operation, 4. Equipment/System Preventive and Corrective Maintenance (including Removal and Replacement), and 5. Equipment/System Testing, Tuning, Aligning, or Balancing activities required for set-to-work after maintenance.  TD Deliverables: 1. Training Needs Analysis to be based on 1 <sup>st</sup> and 2 <sup>nd</sup> line preventive and corrective maintenance activities; 2. Course Curriculum Outline; 3. Instructor Notes and any associated Presentations; 4. Student Handouts; 5. Quizzes and Tests  Delivery Instructions, Review and Approval Requirements:	
10.3	1. Number of Copies/Format: 1 soft copy in source format (e.g. MS or PPT) and PDF format. 2. Delivery Venue: email or FTP 3. First Submission: 1 <sup>st</sup> Training Course - 20 wd 4. TAA Review/Approval: Yes/Yes 5. Review/Approval Lead Time: 20/20 6. Subsequent Submission: 2 <sup>nd</sup> Training Course - 20 wd 7. Remarks: Approval will be 2 <sup>nd</sup> Training Course + 20 wd.	

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~~ANNEX A APPENDIX 3~~  
~~BENTLEY PRODUCT SPECIFICATION~~  
~~HP AIR DRYER~~



~~FOR THE~~  
~~VICTORIA CLASS SUBMARINES~~  
~~CONTRACT NO. XXXXXXXX~~  
~~DATE: DD MONTH YEAR~~



**NOTICE**

~~This documentation 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**

~~Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis de divulgation et les instructions de manutention reçues originalement doivent continuer de s'appliquer.~~

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**LIST OF EFFECTIVE PAGES**

~~Insert latest changed pages, dispose of superseded pages In Accordance With (IAW) applicable orders.~~

**NOTE**

~~On a changed page, the portion of the text affected by the latest change is indicated by a vertical line in the margin of the page.~~

~~Date of issue for original and changed pages are:~~

~~Change ...1.0... DD Month 2020~~

~~A zero in Change No. column indicates an original page. The Total number of pages in this Appendix is 4 consisting of the following:~~

~~**Page No.** \_\_\_\_\_ **Change No.**  
**All** \_\_\_\_\_ **Original**~~

**~~NSN: 99-980-9742~~**

**~~Air Dryer/filtration Pack suitable for 204m<sup>3</sup>/Hr @ 280 Bar working Pressure~~**

- ~~1. Air purity to Def Stan 68-284 (Breathing Air) assuming levels of CO<sub>2</sub> and CO is within limits of normal atmospheric air.~~
- ~~2. Flow Rate 204m<sup>3</sup>/Hr @ 280 Bar to a dew point of -55 degrees Celsius @ 760mm Hg.~~
- ~~3. Fully automatic heatless dual absorber compressed air dryer under the control of a step controller and pneumatically operated stainless steel inlet and purge valves, complete with Pre-Filter MSHP-13-PF737.~~
- ~~4. Oil Adsorption filter MSHA-804-A860-B5, fitted with both a stainless steel Auto drain and Stainless Steel manual drain valve.~~
- ~~5. Pre-filters manufactured from stainless steel.~~
- ~~6. Fitted with a back pressure maintaining valve.~~
- ~~7. Dust particle retention to 1 micron.~~
- ~~8. Oil removal to .005 parts per million.~~
- ~~9. -70 degrees Celsius atmospheric dew point subject to a maximum inlet temperature of +45 degrees Celsius.~~
- ~~10. Instrumentation includes:
  - ~~a. Power On/Off Lights;~~
  - ~~b. Absorber Pressure Gauges, full safety pattern;~~
  - ~~c. Hours run counter;~~
  - ~~d. LED status for each pneumatic valve;~~
  - ~~e. On line digital dew point analyzer with a 4-20 milliAmpere output;~~
  - ~~f. Mimic display showing status of dryer and valves; and~~
  - ~~g. Monitoring and function failure alarms.~~~~
- ~~11. Fully assembled on a mild steel stand with the required modifications in Figure 1 below to fit within the existing envelope without modifying adjacent Victoria Class Submarine (VCS) equipment. All pipe work must be interconnected with 12mm outside diameter stainless steel tube (suitably clipped) and stainless steel compression couplings. Paint finish in powder coat.~~

1. Replace 6A J-mount with 3A J-mount.
2. Extend plating and provide additional bolting (2 on each side, 4 total).
3. Replace channel at bottom with 102x52 x 8mm HSS.

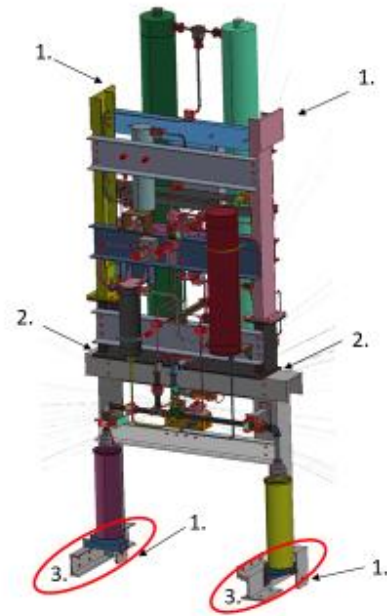


Figure 1— Required VCS Modifications

- ~~12. Shock to MIL-S-901D (Navy), Shock Test, HI (High Impact).~~
- ~~13. Test certificates, drawings, and operating instructions.~~
- ~~14. Electrics: 110V single phase 50/60 Hertz.~~

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**ANNEX "B" – BIDDER'S PROPOSED SUBMISSION**

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## **~~ANNEX "C" – 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);~~