

Volume 2, Annex B, Appendix 2

Statement of Work (Acquisition)
Data Item Descriptions

Underwater Warfare Suite Upgrade

14 February 2017

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UWSU-DID-PM-001 - Project Management Plan (PMP)

DATA ITEM DESCRIPTION		
1. TITLE Project Management Plan (PMP)		2. IDENTIFICATION NUMBER UWSU-DID-PM-001
3. DESCRIPTION The Project Management Plan (PMP) must describe the Contractor's processes and organization for integrating and carrying out all management activities necessary to complete the Work required by the Contract within the approved schedule and budgetary constraints, and meeting all contractual requirements. The PMP will be used to provide the DND Technical Authority (TA) insight into the Contractor's project management practices and procedures as they apply to the Contract.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted using Microsoft Word and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT The PMP must consolidate the management processes, administrative procedures and organizational structure that will be used to manage the Work required of the Contractor as part of the Contract. The PMP must further detail the practices and procedures for project scheduling, planning, organizing, directing, executing, monitoring, controlling, providing orderly resource management, communicating, reporting, managing risk, managing environmental health and safety issues and impacts, managing information, and closing of action items for all Work required by the Contract. The PMP must address in detail the above points through the following: 10.3.1 Overview a. Purpose, Background, Scope and Objectives; b. Assumptions, Constraints and Risks; c. Project Deliverables; d. Organization Summary; and e. Schedule Summary. 10.3.2 Organization The PMP must contain a chart showing the overall project organization and management structure. The organization chart must identify, by name, all key management personnel and must clearly indicate lines of responsibility, including the Project Manager, who must have overall responsibility for the entire project. A narrative description of the responsibilities of each individual identified must be provided. Personnel who interface directly with PSPC and the UWSU Project Management Team (PMT) must be identified. For each individual so identified, their scope of responsibility and authority must be identified.		

10.3.3 Project Management Procedures

A narrative description of the procedures to be employed in managing the project must be provided. This must include, but not be limited, to the following:

- a. Project monitoring, control and reporting methods;
- b. Lines of communication (internal and external);
- c. Resource allocation;
- d. Financial control mechanisms; and
- e. Methods of problem identification and corrective action related to the overall project schedule and milestones.

10.3.4 Contract Work Breakdown Structure (CWBS) and Work Breakdown Structure (WBS) Dictionary

This section must quantify and detail the work required on the project. A CWBS identifying specific work packages with detailed task descriptions (WBS Dictionary) must be provided along with resource requirements. The CWBS must be prepared in accordance with MIL-STD-881C procedures, down to at least level 3, and must integrate the Contractor's planning, and scheduling system.

10.3.5 Master Schedule and Milestones

See **UWSU-DID-PM-002**.

10.3.6 Risk Management

This section must describe how risks to the project will be predicted, identified, assessed and how risk control action will be developed and implemented. An initial risk assessment must be provided and this assessment must be updated as additional risks are foreseen and identified throughout the performance of the project. Obsolescence issues must be dealt with in this section.

10.3.7 Configuration Management

See **UWSU-DID-CM-001**.

10.3.8 Subcontract Management

This section must describe the processes that will be used to control performance, cost and schedule of work to be completed by the subcontractors. Reference may be made to existing Contractor internal procedures for subcontract management that will be followed provided that these procedures are clearly described and reported to PMT.

This section must also describe the mechanisms and processes that will be used to interact with other DND and industry stakeholders, namely the Major Surface Combatant (MSC) Class Manager (*Halifax*-class), the In-service Support contractor for the *Halifax*-class responsible for Combat Systems, the Fleet Maintenance Facilities and the shipyards who will be involved in installations and testing.

10.3.9 Data Management

This section must include the following information:

- a. Directory and file structure on the Contractors Information System;
- b. Archiving of soft copy data including e-mails;
- c. Receipt and conversion to soft copy of any hard copy data or communications received by the Contractor;
- d. Monitoring to ensure DM rules are being followed by project staff;
- e. Establishing and description of file naming protocol to be used on the project; and
- f. Description of Contractors existing processes and/or procedures that will be followed for the implementation of Data Management.

10.3.10 Quality Assurance

The QA Plan must describe how the Contractors intends to adhere to the quality standards called up in this SOW.

10.3.11 Preliminary Integrated Logistic Support (ILS) Management Plan

The Preliminary ILS Management Plan section must be prepared in Contractor format and must include the following information:

- a. A description of the overall ILS program;
- b. A description the Contractor's ILS program management and controls; and
- c. A summary of the ILS program elements and a description how all ILS items will be delivered.

10.3.12 Preliminary In-service Support Transition Plan

The Preliminary In-service Support Transition Plan section must be prepared in Contractor format and must include a high-level description of the Contractor's proposed plan and processes to transition materials, services and information control into in-service support for the systems, capabilities, materials, information and knowledge established as a result of the UWSU Acquisition contract.

UWSU-DID-PM-002 - Project Master Schedule (PMS)

DATA ITEM DESCRIPTION		
1. TITLE Project Master Schedule (PMS)		2. IDENTIFICATION NUMBER UWSU-DID-PM-002
3. DESCRIPTION The Project Master Schedule (PMS) must detail the sequencing, activity duration, mandatory, discretionary and external dependencies, schedule of all events against a calendar time base, milestones and WBS activities that must occur for the objectives and requirements of the Contract to be achieved. The PMS must detail all activities covering the complete duration of the Contract. The PMS updates must further provide the DND TA with the visibility of accomplishments to date at a level of detail that is indicative of overall performance.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The Project Master Schedule (PMS) must be delivered using Microsoft Project, and consist of a Gantt Chart reflecting activity start and end dates, expected activity duration, activity dependencies, critical path(s) and activity WBS code of accounts all against a calendar time base. In addition to the schedule details, the Microsoft Project file for the PMS must also include the associated network diagram showing network logic, mandatory, discretionary and external activity dependencies, activity description and activity WBS code of accounts. The PMS may be part of the Project Management Plan deliverable. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The PMS must reflect the delivery and support schedule defined in the Contract and include all Work Breakdown Structure elements and tasks (those which define the level of reporting that the contractor will provide DND), all milestones and deliverable end items. The PMS must detail the sequencing, activity duration, mandatory, discretionary and external dependencies, schedule of all events against a calendar time base, milestones and WBS activities that must occur for the objectives and requirements of the Contract to be achieved. The PMS must detail all activities covering the complete duration of the Contract. The PMS updates must further provide the DND TA with the visibility of accomplishments to date at a level of detail that is indicative of overall performance. PMS performance must be compared to the approved contractual baseline. 10.3.2 The PMS must be a Gantt Chart reflecting activity start and end dates, expected activity duration, activity dependencies, critical path(s) and activity WBS code of accounts all against a calendar time base. Updates to the PMS must clearly indicate actual progress to a specific date against the schedule baseline, and changes in activity start and end dates. The PMS baseline, as set at contract award, must be the measurement baseline for project performance and actual versus planned progress. All baseline activity start and finish dates, i.e. the originally scheduled start and finish dates, as reflected in the PMS baseline schedule, must be maintained and provided using the same WBS code of accounts entry on the Gantt chart incorporating any approved changes to activity start and finish dates. The baseline activity start and finish dates and updated start and finish dates must be uniquely identifiable at the activity level, i.e. different colour, different icon, and etc. Rebaselining of the schedule		

must not occur without prior written authorization by the PSPC CA and DND TA. The PMS, and updates, must include a detailed legend depicting the meaning of all symbols, abbreviations and colours utilized.

10.3.3 The PMS Gantt Chart detailed in paragraph 10.3.2 and its associated WBS code of accounts must permit filtering on activities, through a one-step filter, in order to provide the following independent schedules:

- a. Project Management schedule of activities;
- b. Systems Engineering schedule of activities;
- c. Test & Evaluation (T&E) schedule of activities;
- d. Integrated Logistics Support (ILS) schedule of activities; and
- e. Financial milestone schedule.

10.3.4 The PMS must show a time-phased sequence of upper level activities and events, and their relationship to the CWBS elements and activities, to include:

- a. The sequence, duration and completion dates of deliverable items;
- b. Project tasks down to the work package level;
- c. Project milestones;
- d. Proposed payment milestones;
- e. Delivery of documentation for review and final delivery;
- f. Projected dates for Training; and
- g. Projected dates for Qualification Testing and Acceptance Testing.

10.3.5 Each PMS activity must include all details associated with each WBS elements and tasks, to include as a minimum the following:

- a. WBS Code of Accounts;
- b. Contract line item number(s) associated with the element/activity;
- c. Element/activity predecessors;
- d. Element/task completion criteria;
- e. Element/task description;
- f. Element/task early start and finish dates;
- g. Element/task late start and finish dates; and
- h. Element/task free float.

UWSU-DID-PM-003 - Meeting/Review Agendas

DATA ITEM DESCRIPTION		
1. TITLE Meeting/Review Agendas		2. IDENTIFICATION NUMBER UWSU-DID-PM-003
3. DESCRIPTION Meeting/Review Agendas must set forth the venue and identify the discussion items to be covered at meetings.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
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10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted using Microsoft Word and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The Meeting Agenda must set forth the venue, identify any requirements and list the discussion items to be covered at the meeting. 10.3.1.1 Venue. The Meeting Agenda must address the venue as follows: <ul style="list-style-type: none"> a. Meeting Identification Number; b. Purpose; c. Date, time and location; and d. Attendees. 10.3.1.2 Discussion items. The Meeting Agenda must address the discussion items through the following sections: <ul style="list-style-type: none"> a. Opening Remarks; b. Agenda Review; c. Review of previous Minutes; d. Opened Discussion Items; e. New Discussion Items; f. Review of Action Items; g. Next Venue; and h. Closing Remarks. 		

UWSU-DID-PM-004 - Monthly Progress Report

DATA ITEM DESCRIPTION		
1. TITLE Monthly Progress Report		2. IDENTIFICATION NUMBER UWSU-DID-PM-004
3. DESCRIPTION Monthly Progress Reports must summarize the Contractor's progress and any problems in relation to the approved UWSU Project scope, schedule, budget and plans.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
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UWSU-DID-PM-005 - Meeting Minutes

DATA ITEM DESCRIPTION		
1. TITLE Meeting Minutes	2. IDENTIFICATION NUMBER UWSU-DID-PM-005	
3. DESCRIPTION Meeting Minutes must consist of the detailed records of proceedings, discussions, decisions and action items from meetings.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
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UWSU-DID-PM-006 - Request for Deviation or Waiver

DATA ITEM DESCRIPTION		
1. TITLE Request for Deviation or Waiver (RFD or RFW)	2. IDENTIFICATION NUMBER UWSU-DID-PM-006	
3. DESCRIPTION <p>Requests for Deviation (RFD) must provide the required details in order to seek authorization to deliver materials not meeting specified requirements. The RFD must fully enable the DND TA to evaluate for authorization the item not conforming to contractual requirements with respect to the impact on performance, availability, logistics support and any other affected areas.</p> <p>Requests for Waiver (RFW) must provide the required details in order to seek authorization to deliver a one-time lot of manufactured materials not meeting specified requirements. The RFW must fully enable the DND TA to evaluate for authorization the item not conforming to contractual requirements with respect to the impact on performance, availability, logistics support, interfaces and any other affected areas.</p>		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
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UWSU-DID-PM-007 - Request for Government Furnished Resources

DATA ITEM DESCRIPTION		
1. TITLE Request for Government Furnished Resources		2. IDENTIFICATION NUMBER UWSU-DID-PM-007
3. DESCRIPTION The Request for Government Furnished Resources (GFR) provides the list of proposed Government Furnished Resources, and justification as to why these resources are required, and how they will be employed.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
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UWSU-DID-SE-001 - Systems Engineering Management Plan

DATA ITEM DESCRIPTION		
1. TITLE Systems Engineering Management Plan		2. IDENTIFICATION NUMBER UWSU-DID-SE-001
3. DESCRIPTION The Systems Engineering Management Plan (SEMP) must set forth the Contractor's Systems Engineering Program, as it relates to the activities required for this Contract.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
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UWSU-DID-SE-002 - System Specifications Document (SSD)

DATA ITEM DESCRIPTION		
1. TITLE System Specifications Document (SSD)		2. IDENTIFICATION NUMBER UWSU-DID-SE-002
3. DESCRIPTION The System Specifications Document (SSD) must document the requirements for the UWSU solution, as it relates to the activities required for this Contract. The SSD must document and organize the Contractor's interpretation of the requirements defined in the DND System Requirements Document (SRD) during the subsequent design and Acceptance processes.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
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UWSU-DID-SE-003 - System Design Document (SDD)

DATA ITEM DESCRIPTION		
1. TITLE System Design Document (SDD)	2. IDENTIFICATION NUMBER UWSU-DID-SE-003	
3. DESCRIPTION The System Design Document (SDD) must describe the design of the UWSS as it relates to the activities required for this Contract.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted using Microsoft Word and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT The SDD must contain the following content as a minimum: a. Design Approach - A summary of the following as applicable to tailoring equipment and adapting software to meet the UWSS requirements and associated Deliverable requirements: i. Policies and Standards; ii. Design Strategy; iii. Design Requirements and their decomposition; iv. Design assumptions, constraints, and dependencies; and v. Design and development methods. b. Configuration Item Identification - A top down family tree that specifies overall UWSS architecture, specifically: i. all UWSS configuration variants; ii. their associated HWCI; and iii. CSCI resident in each HWCI; c. Configuration Item Definition - Definition of each UWSS configuration variant and their associated configuration items including: i. Item Identification Number; ii. Item Nomenclature; iii. Parent and sub-ordinate CIs; iv. Description of the design and function of each HWCI, and each UWSS configuration variant, including reference to the Technical Data Package of UWSU-DID-TD-001 where details may be found;		

- v. Description of the design and function of each CSCI, and each UWSS configuration variant, including reference to the Technical Data Package of UWSU-DID-TD-001 where details may be found; and
- vi. Allocation of the Functional Baseline requirements to each HWCI, each CSCI, and the system level of each UWSS configuration variant;

d. States and Modes - This section describes the UWSS states and modes, explaining the functions of the various CIs and how they interact;

e. Data Architecture - This section describes how the UWSS information domain is organized into data structures, and how these data structures are stored, processed, and integrated with applicable external data structures;

f. System Processes - This section describes the processes that will be performed by the software to address the operational requirements, including inputs and outputs;

g. Hydrodynamic models for all towed sensors systems - This section describes the techniques, processes and results of hydrodynamic modelling of the towed sensor systems to respond to towing characteristics requirements;

h. System Interfaces - This section describes each interface with the UWSS CIs including software interface function and hardware;

i. Human Factors and User Interfaces - This section describes the user screen image that the UWSS operators and maintainers will see, with all objects and corresponding actions described;

j. Software Performance - This section describes the performance for the software, in terms of number of users, response times, reliability, and etc.;

k. Hardware Infrastructure - This section describes the hardware infrastructure that will be needed to operate the software at the specified performance levels;

l. Safety Features - This section describes the safety and fail safe functionality of the system;

m. Security and Privacy – This section describes the security and privacy features such as access control and encryption;

n. Support Features - This section describes all other features relating to hardware and software support, such as fault diagnosis, built-in test, embedded training, delivery media, and etc.; and

o. Traceability to Functional Baseline - All other design details required for Canada to verify, by documentation review, that the UWSS design is fully allocated to, and is fully compliant with the Functional Baseline.

UWSU-DID-SE-004 - Interface Design Document (IDD)

DATA ITEM DESCRIPTION		
1. TITLE Interface Design Document (IDD)		2. IDENTIFICATION NUMBER UWSU-DID-SE-004
3. DESCRIPTION The Interface Design Document (IDD) must define all hardware and software details required to implement an interface between each UWSS HWCI and CSCI and the external system with which it must connect, function, and communicate.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted using Microsoft Word and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The IDD must contain the following content as a minimum: a. IDD-Structural; b. IDD-Mechanical; c. IDD-Electrical; and d. IDD-Computer. 10.3.2 The IDD must include the following as applicable to each UWSS interface: a. Purpose - This section describes the UWSS HWCI and CSCIs that are interfacing with the external entity and the purpose of the interface; b. Standards and Specifications - This section describes all standards and specifications used to guide the design of the interface; c. Design Requirements - This section describes all System Specification requirements applicable to the interface; d. Design Constraints - This section describes all other constraining factors on the interface design; e. Hardware Design-This section describes the hardware design of the interface, including: i. Structure: a. location of the interface; b. the UWSS component requiring the structural interface; c. details of the seating arrangements (flange, bolt pattern, bolt hole, dimensions, materials, and etc.) incorporated into each UWSS component that must be interfaced; and d. all retention devices and fasteners associated with each structural interface as necessary to mount		

each UWSS component.

ii. Mechanical:

- a. location of the interface;
- b. the UWSS component requiring the mechanical interface;
- c. the specific mechanical service or function associated with the interface (such as cooling water, conditioned air, compressed air, condensate drains, and etc.) and how it relates to UWSS operations; and
- d. all connection details required to implement the interface.

iii. Electrical:

- a. location of the interface;
- b. the UWSS component requiring the electrical interface;
- c. the specific electrical properties required of the interface; and
- d. all connection details required to implement the interface.

iv. Computer:

- a. the communications processor hardware hosted in the computer system, including manufacturer, model number, and any special configuration options selected;
- b. the means of physically connecting to the communication medium of the external entity; and
- c. a description of any other data communications hardware elements connecting the CSCI to the external entity.

f. Software Design-This section describes the software design of the interface:

i. Interface Control:

- a. initialization of communications hardware and software;
- b. various interface operating modes, how to control them, and how to switch among them;
- c. service priorities for each interface; and
- d. application-level protocols or events, which trigger flows of information across the interface.

ii. Messages and Data Formats:

- a. information that will be transmitted across the interface (e.g. messages, data values, state indications, analogue signals, and etc.) and the direction of transmission;
- b. formats of all digital messages and data values, including the structure of data fields, their meaning, units of measure, valid ranges, precision, information representation, encoding, or compression; and
- c. meanings and signal characteristics of all state indications and analogue signals.

iii. Processing:

- a. detailed procedures for the transmission and reception of data via the communications interface; and
- b. special processing or data handling functions pertaining to security, safety, reliability, integrity, authentication, encryption/decryption, encoding, compression, buffering, burst transmission, and etc.

iv. Communication Protocols and Services:

- a. invocation of applicable data communication protocols, services and attributes.

v. Other:

- a. any mechanisms guaranteeing real-time response, timing or synchronization performance, and any other design features that do not fall into the above categories.

g. Performance-This section describes the full range of expected performance of the interface using the most suitable metrics for the interface type; and

h. Product Configuration Documentation-This section describes all other information, or references to other documentation, as required to supplement the TDP UWSU-DID-TD-001 in defining that part of the Product Baseline that is relevant to UWSS interfaces.

UWSU-DID-SE-005 - Verification Cross Reference Matrix

DATA ITEM DESCRIPTION		
1. TITLE Verification Cross Reference Matrix		2. IDENTIFICATION NUMBER UWSU-DID-SE-005
3. DESCRIPTION The Verification Cross Reference Matrix (VCRM) must document the requirements verification methods that the Contractor will use to prove to Canada that all requirements of the SRD have been met by the delivered UWSS.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The VCRM at a minimum must consist of a table structured such that each row contains only one SRD requirement and a unique and unambiguous reference to: <ul style="list-style-type: none"> a. each derived requirement; b. the specific point in the Contractor's deliverable documentation that specifies how each SRD requirement is addressed by the proposed functional baseline; c. the specific point in the Contractor's deliverable documentation that specifies how compliance of the UWSS Hardware Configuration Items (HWCI) and Computer Software Configuration Items (CSCI) will be demonstrated with respect to the SRD; and d. the Acceptance Status of each derived requirement. 		

UWSU-DID-SE-006 - Engineering Change Proposal

DATA ITEM DESCRIPTION		
1. TITLE Engineering Change Proposal		2. IDENTIFICATION NUMBER UWSU-DID-SE-006
3. DESCRIPTION The Engineering Change Proposal (ECP) must fully describe and substantiate the engineering change required for a proposed alteration in the configuration of a CI and/or its related documentation. The ECP must enable the Contractor and the DND TA to fully evaluate for authorization the engineering change proposed.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted using Microsoft Word and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The ECPs must meet the intent of the Allied Configuration Management Publication (ACMP), NATO Requirements for Configuration Control-Engineering Changes, Deviations and Waivers, ACMP-3 (Edition 1-1998). The following information must be included and detailed for each ECP: <ul style="list-style-type: none"> a. General information (i.e. originator, date, class, number, type, priority, revision, title, and etc.); b. Configuration Item Information (CI(s) to which ECP applies); c. Current CI production state (if applicable); d. Impact on baselines, specifications, interfaces, schedules, performance, availability, logistics, and etc.; e. Description of change; f. Substantiation (need) of change; g. Costs/Savings details; h. Trade-offs and/or alternative solutions; i. Implementation Plan, including implementation schedule and associated details; j. Date of Approval required; and k. Authorities (Submitting, Reviewing, Recommending and Approving). 		

UWSU-DID-SE-007 - Notice of Revision

DATA ITEM DESCRIPTION		
1. TITLE Notice of Revision (NOR)		2. IDENTIFICATION NUMBER UWSU-DID-SE-007
3. DESCRIPTION <p>Notices of Revision (NOR) must describe the required changes to drawings, associated lists and other non-specification type documents comprising the configuration identification of an item for which an Engineering Change Proposal (ECP) or Request for Deviation (RFD) is being submitted. Following approval of the associated ECP or RFD, each NOR will be used to direct the custodian of drawing, associated list or other non-specification type document to implement the required revisions.</p>		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP <p>7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.</p>		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS <p>10.1 SOURCE DOCUMENT</p> <p>10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract.</p> <p>10.2 FORMAT</p> <p>10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein.</p> <p>10.2.2 This DID must be submitted using Microsoft Word and as further described herein.</p> <p>10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein.</p> <p>10.3 CONTENT</p> <p>10.3.1 NORs must meet the intent of the Allied Configuration Management Publication (ACMP), NATO Requirements for Configuration Control-Engineering Changes, Deviations and Waivers, ACMP-3 (Edition 1-1998). NORs must describe the required changes to drawings, associated lists and other non-specification type documents comprising the configuration identification of an item for which an Engineering Change Proposal (ECP) or Request for Deviation (RFD) is being submitted. Each NOR must have sufficient details to permit the custodian of a drawing, associated list or other non-specification type document to implement the required revisions once the ECP or RFD is approved. The following information must be included and detailed for each NOR:</p> <ul style="list-style-type: none"> a. General information (i.e. originator, date, NOR number, and etc.); b. Related ECP or RFD number; c. Document identification (document to which revision applies); d. Configuration Item (CI to which ECP or RFD applies); e. Description of revision (detailed 'from' and 'to' depiction of the exact changes to be made); f. Disposition of NOR; and g. Authorities (Submitting, Reviewing, Recommending and Approving). 		

UWSU-DID-SE-008 - Equipment Drawings

DATA ITEM DESCRIPTION		
1. TITLE Equipment Drawings		2. IDENTIFICATION NUMBER UWSU-DID-SE-008
3. DESCRIPTION To define the Product Baseline for in-service configuration management and to provide a source of information to support maintenance and engineering analysis activities. Refer to C-01-000-100/AG-004.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT & CONTENT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein 10.2.2 The Equipment Drawings, including Reference Documents, must be submitted in DXF or DWG format. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein.		

UWSU-DID-SE-009 - Test and Evaluation Master Plan

DATA ITEM DESCRIPTION		
1. TITLE Test and Evaluation Master Plan (TEMP)		2. IDENTIFICATION NUMBER UWSU-DID-SE-009
3. DESCRIPTION The Test and Evaluation Master Plan (TEMP) must describe in detail the Test & Evaluation (T&E) Program to be conducted to ensure that the design complies with the System Specification Document.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The Test and Evaluation Master Plan must address the overall test philosophy, concept and methodology to be followed in the course of the test effort of the UWSU Contract. It must describe, for example, special tests, first article qualification, and recurring acceptance tests. In addition, the TEMP must describe all test events and processes to be conducted by the contractor and subcontractors. 10.3.2 The TEMP must include a test Schedule developed using Microsoft Project, and must be integrated into the Project Master Schedule, UWSU-DID-PM-002. The Tests Schedule must also reflect dates, duration, dependencies, critical path and WBS code of accounts all against a calendar time base; 10.3.3 The TEMP must define all the test, evaluation and collection of Objective Evidence (OE) processes that will be required to demonstrate compliance of UWSS and associated Deliverables with the Statement of Work (SOW) and System Requirements Document (SRD). 10.3.4 The TEMP must include the following as a minimum: <ul style="list-style-type: none"> a. Introduction - This section describes the scope and purpose of the plan, together with applicable definitions, references and related documents; b. Set-To-Work Activities – Activities to verify the state of the UWSU material and equipment that has been installed, to verify that each UWSU System has been installed and connected correctly, is functioning correctly, is groomed, is configured, and is at an acceptable state of technical readiness for testing; c. Acceptance Program - This section itemizes and describes all test and evaluation that the Contractor proposes for demonstrating compliance of the UWSS and associated Deliverables with the SOW, and gaining acceptance from Canada in accordance with the SOW and SRD. This section must include but not be limited to: 		

- i. Developmental Testing - Documentation review, analysis, inspection, demonstration, and testing that the Contractor may wish to propose for authorization by Canada to conclusively qualify the function and integration of all developmental UWSS elements;
- ii. Documentation and Analysis Review - Documentation and analysis review that the Contractor may wish to propose for Authorization by Canada to conclusively demonstrate UWSS compliance with selected SOW requirements that may not be suited for inspections, demonstrations, and tests;
- iii. Environmental Testing - Documentation review, analysis, inspection, demonstrations, and testing as Authorized by Canada to conclusively qualify the UWSS design in accordance with the environmental conditions of the SRD, Section 5;
- iv. First Article Factory Acceptance Testing (FAT) - Inspections and testing to qualify the design and the production process of each First Article UWSS configuration variant with respect to the SOW requirements, to the extent possible at the contractor's facilities;
- v. Functional Audit - Verification and Acceptance by Canada, that all acceptance test and evaluation results, up to and including the accepted FAT Test Report, demonstrate compliance of each First Article UWSS configuration variant with the Functional Baseline;
- vi. Physical Configuration Audit - Verification by Canada, that each First Article UWSS configuration variant is compliant with its corresponding Product Configuration Documentation, and Acceptance of proposed CIs and their corresponding Product Baselines;
- vii. UWSS/CMS 330 Integration Testing at CSSC(E) – UWSS/CMS 330 integration testing to qualify the qualify the function and integration of each implemented First Article UWSS configuration variant with respect to the SOW requirements, to the extent possible when fitted at CSSC(E);
- viii. UWSS/NavDDS Integration Testing at CSSC(E) – UWSS/NavDDS integration testing to qualify the qualify the function and integration of each implemented First Article UWSS configuration variant with respect to the SOW requirements, to the extent possible when fitted at CSSC(E);
- ix. UWSS/Underwater Telephone Integration Testing at CSSC(E) – UWSS/Underwater Telephone integration testing to qualify the function and integration of each implemented First Article UWSS configuration variant with respect to the SOW requirements, to the extent possible when fitted at CSSC(E); and
- x. Shore-based UWSS System Integration Testing – For each Shore-based site, Shore-based UWSS System integration testing to qualify the design, production, installation, and Set-To-Work (STW) processes of each implemented First Article UWSS configuration variant with respect to the SOW requirements, to the extent possible when fitted in the Shore-based site;
- xi. First Article Harbour Acceptance Testing (HAT) - Testing to qualify the design, production, installation, and STW processes of each implemented *Halifax*-class First Article UWSS configuration variant with respect to the SOW requirements, to the extent possible when fitted in *Halifax*-class vessels;
- xii. First Article Sea Acceptance Testing (SAT) - Testing for final Qualification of the design, production, installation, and STW processes of each implemented First Article UWSS configuration variant with respect to the SOW requirements;
- xiii. Qualification Review - Verification and Acceptance by Canada, that all acceptance test and evaluation results up to and including the accepted SAT Test Report for each First Article UWSS configuration variant, demonstrate compliance with the SOW. Verification and acceptance by Canada of First Article UWSS resulting from the First Article Qualification Review will be the final acceptance for First Article UWSS configuration variants;
- xiv. Recurring Article FAT - Testing to demonstrate that key physical and functional characteristics of each Recurring Article UWSS are compliant with the SOW, in order to verify the UWSS manufacturing and Configuration Management processes, to the extent possible at the Contractor's facilities;
- xv. Recurring Article HAT - Testing to demonstrate that key physical and functional characteristics of each Recurring Article UWSS are compliant with the SOW, in order to verify correct UWSS installation, integration, and STW in vessels;

xvi. Recurring Article SAT - Testing to demonstrate that key physical and functional characteristics of each Recurring Article UWSS are compliant with the SOW, in order to verify correct UWSS installation, integration, and STW in vessels. Acceptance by Canada of each Recurring Article UWSS SAT Report will be the final acceptance for the corresponding Recurring Article UWSS; and

xvii. TDP and Manuals Data Acceptance - Verification by Canada that the final UWSS TDP and Manuals provides Canada with all of the information necessary to install, set-to-work, operate, maintain, and manage all aspects of the in-service UWSS and associated deliverables.

d. Software Testing - This section itemizes and describe all test and evaluation that the Contractor proposes for:

i. Development and adaption of software to meet the UWSS requirements and other Deliverable requirements;

ii. Verification that UWSS software provides the required connectivity and communications with all required external interfaces; and

iii. Demonstrating compliance of the UWSS software and associated deliverables with the SOW, and gaining acceptance from Canada.

e. Deliverable Test and Evaluation Documentation - This section must describe, or refer to other DIDs that describe, each document and its contents to be prepared and delivered by the Contractor in accordance with the SOW to define Acceptance test and evaluation processes and the results of these processes;

f. Test Resources - This section must identify all:

i. Contractor's test authorities, organization and skills conducting and witnessing Acceptance Testing ;

ii. Information, materials, equipment, services, prerequisites, and Government Furnished Resources for Acceptance Testing; and

iii. The coordination of these resources required to complete the Acceptance Program.

g. Subsequent sections will be used to describe how all Acceptance Program activities will be coordinated with the following:

i. Project Management (specifically organizational interfaces, communications, schedule, and their management related to the Acceptance Program);

ii. Quality Management;

iii. Risk Management;

iv. Requirements Management;

v. System Engineering;

vi. Design Reviews;

vii. Configuration Management;

viii. ILS Management; and

ix. Objective Evidence.

10.3.5 The TEMP must include an Acceptance Test Index (ATI) that will list each UWSS test and evaluation activity that the Contractor will use to demonstrate compliance of the UWSS with the SOW. The ATI must be presented in tabular form, and must include the following as a minimum for each test:

a. A unique identifying number that correlates with the corresponding Acceptance Test Procedure (ATP);

b. A unique title that correlates with the testing specified in the TEMP;

- c. A brief description of the test;
- d. The preceding and following tests;
- e. Prerequisites for the test;
- f. Approximate date for the test;
- g. Location for the test; and
- h. The UWSS Configuration Item or Configuration Variant being tested.

UWSU-DID-SE-010 - Acceptance Test Procedures

DATA ITEM DESCRIPTION		
1. TITLE Acceptance Test Procedures	2. IDENTIFICATION NUMBER UWSU-DID-SE-010	
3. DESCRIPTION The Acceptance Test Procedures must identify and describe each of the test details and information for Qualification Test or Acceptance Test to be conducted as part of the T&E Program.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM/DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The Acceptance Test Procedures must identify and describe each of the test details and information applicable to the scheduling, planning, organizing, conduct, controlling and coordination for each particular Qualification Test or Acceptance Test to be conducted as part of the T&E Program, as listed in the Acceptance Test Index contained in the Test and Evaluation Master Plan. The Acceptance Test Procedures must address the above points and include the details described below. 10.3.1.1 The Acceptance Test Procedures must identify and describe the general test information to include: <ul style="list-style-type: none"> a. Applicable Test; b. List of applicable definitions, references, documents and standards; c. Purpose of Test; d. Test schedule; e. Items to be tested; f. Planned tests, test cases, and test sequence and progression; g. Documentation of all modelling performed of physical or performance aspects of the item under test which will support applicable Test Readiness Reviews; g. Test facilities; h. Quality Assurance procedures; i. Participants; and j. Canada requirements including personnel and GFE where applicable. 10.3.1.2 The Acceptance Test Procedures must also include as a minimum the following details: <ul style="list-style-type: none"> a. Actual test procedures, instructions and methods; b. Physical layout of the equipment under test; c. Prerequisite conditions; d. Test Conditions and environments; e. Modes of operation; 		

- f. Schedule of events;
- g. Test and Measurement equipment and tools, including hardware, software and associated operating conditions;
- h. Parameters to be measured;
- i. Design parameters and tolerances;
- j. Pass/Fail criteria;
- k. Expected Test results and data;
- l. Procedures, methods and formats for Data Collection; and
- m. Data Reduction and Results Analysis Techniques.

10.3.1.3 The associated portion of the Verification Cross Reference Matrix identifying the requirements detailed in the System Specification Document being tested against must be annexed to the Test Procedures.

UWSU-DID-SE-011 - Test Notification

DATA ITEM DESCRIPTION		
1. TITLE Test Notification		2. IDENTIFICATION NUMBER UWSU-DID-SE-011
3. DESCRIPTION The Test Notification must provide the test schedule and participation information prior to each test or group of tests conducted as part of the T&E Program.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted using Microsoft Word and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 Test Notifications must include and detail the following: <ul style="list-style-type: none"> a. Applicable Test or Group of Tests; b. Applicable Test Procedures; c. Participating organizations and personnel; d. Names and positions of DND and other government attendees and witnesses, including QAR; and e. Any additional information as required. 		

UWSU-DID-SE-012 - Acceptance Test Report

DATA ITEM DESCRIPTION		
1. TITLE Acceptance Test Report		2. IDENTIFICATION NUMBER UWSU-DID-SE-012
3. DESCRIPTION The Acceptance Test Reports must document the proceedings, results, recommendations and action items of the Tests conducted as part of the Test and Evaluation Program.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted using Microsoft Word and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 Each Test Report must include and describe the following: <ul style="list-style-type: none"> a. Organizations and personnel which conducted the applicable test; b. Organizations and personnel witnessing, participating and present; c. Associated Test Procedures; d. Details of corrections to any information originally contained in the associated Test Procedures; e. Results of tests, including test logs and digital pictures and/or video recordings of tests and set-up; f. Explanations, recommendations, decisions and follow-on actions for partially met requirements; g. Explanations, recommendations, decisions and follow-on actions for failed tests; and h. Authority accepting responsibility for the testing. 10.3.2 Certified copies of the completed tests procedures, analysis and any other supporting documentation must be appended to the Test Reports. 10.3.3 The associated VCRM data must also form part of the Test Report, indicating the requirements tested against, whether they were met, partially met or failed, as well as all supporting explanations, recommendations, decisions and follow-on actions.		

UWSU-DID-SE-013 - Engineering Analysis Report

DATA ITEM DESCRIPTION		
1. TITLE Engineering Analysis Report		2. IDENTIFICATION NUMBER UWSU-DID-SE-013
3. DESCRIPTION The purpose of the Engineering Analysis Report is to document any such analysis conducted on an as-and-when required basis in the fulfillment of the contract.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
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UWSU-DID-SE-014 - Safety Control Plan

DATA ITEM DESCRIPTION		
1. TITLE Safety Control Plan		2. IDENTIFICATION NUMBER UWSU-DID-SE-014
3. DESCRIPTION The Safety Control Plan (SCP) must specify the processes to be followed by the Contractor to meet all UWSS safety requirements, and to ensure that all Contractor staff has received the required safety training prior to any work activities in Canadian Shipyards, DND dockyards, and shore facilities.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The SCP must include the following as a minimum, to meet the requirements of the A-GG-040-004/AG-001, General Safety Program-Hazardous Material Safety and Management Manual: <ul style="list-style-type: none"> a. The Contractor's point of contact for the SCP; b. The organizational structure and processes that will be used to assess safety compliance of the UWSS and associated deliverables, including (i) identification of UWSS safety requirements in accordance with the SRD; (ii) identification of derived UWSS safety requirements, based upon safety hazards associated with configuration, function, installation, maintenance and failure conditions contributing to safety hazards; (iii) identification of safety requirements and derived safety requirements associated with any change to a HWCI or CSCI; (iv) methods for addressing all safety requirements and for correcting safety hazards; and (v) reporting of safety hazards via the safety compliance assessment in accordance with UWSU-DID-SE-015, and reporting the correction of safety hazards. c. The safety training that the Contractor's and subcontractor's staff will require in order to work safely in RCN vessels, including but not limited to (i) consultation with and reporting to shipboard safety authorities; (ii) general shipboard safety; (iii) man aloft; (iv) confined spaces; (v) fall protection; (vi) lock-out/tag-out; (vii) all safety training that may be required by commercial shipyards involved with UWSS implementation; and (viii) any other training requirements that may arise. d. Methods for acquiring and demonstrating completion of the required training. 		

UWSU-DID-SE-015 - Safety Compliance Assessment

DATA ITEM DESCRIPTION		
1. TITLE Safety Compliance Assessment		2. IDENTIFICATION NUMBER UWSU-DID-SE-015
3. DESCRIPTION The Safety Compliance Assessment must specify each UWSS safety issue, and the proposed resolution, prior to the first shipboard UWSS installation. The Safety Compliance Assessment must also specify Canadian Shipyards, DND Dockyards and corresponding shore facility safety requirements, where corresponding work will occur, and Contractor plans to ensure that the required safety training will be acquired, and safety compliance will be assured prior to the first shipboard UWSS installation.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
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UWSU-DID-SE-016 - Controlled Material Report

DATA ITEM DESCRIPTION		
1. TITLE Controlled Material Report		2. IDENTIFICATION NUMBER UWSU-DID-SE-016
3. DESCRIPTION The Controlled Material Report must specify all Controlled Materials proposed for use in the UWSS and associated Deliverables. The Controlled Material Report must be amended to specify all Controlled Materials subsequently Authorized and denied for use in the UWSS by Canada.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
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viii. If denied, the date on which Canada denied use of the material, and reference to all correspondence justifying the denial;

d. Application for the use of each new controlled material in the UWSS and associated deliverables, specifically:

- i. Specifications, technical coding, and certifications for each material;
- ii. Volume and weight of material to be used;
- iii. Location in which the material will be used;
- iv. Intended purpose of the material;
- v. The material chemical composition;
- vi. The material physical and structure properties;
- vii. Reference to the MSDS data for the material;
- viii. The date on which authorization for use was sought from Canada; and
- ix. Approval status of the application.

UWSU-DID-SE-017 – Security Risk Assessment

DATA ITEM DESCRIPTION		
1. TITLE Security Risk Assessment		2. IDENTIFICATION NUMBER UWSU-DID-SE-017
3. DESCRIPTION The Security Risk Assessment must specify the security risk methodology and the results of the security risk assessment of the UWSS.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
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UWSS mission-critical components. The Supplier Threat Analysis must include:

- a. analysis results showing all suppliers for the mission-critical components and the assessed trust level of each supplier; and
- b. a security risk assessment of the supplier's ability to protect Critical Program Information (CPI).

UWSU-DID-SE-018 – Security Architecture Design Document

DATA ITEM DESCRIPTION		
1. TITLE Security Architecture Design Document (SADD)	2. IDENTIFICATION NUMBER UWSU-DID-SE-018	
3. DESCRIPTION The Security Architecture Design Document must describe the security architecture design of the UWSS as it relates to the activities required for this Contract.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted using Microsoft Word and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The SADD must include the following as a minimum: a. Description of the following: i. How security-relevant mechanisms are allocated to system elements (making those elements trusted system elements); ii. The trust relationships between the trusted system elements; iii. The interconnections and information flows that realize the trust relationships; and iv. How the trusted system elements combine and interact with each other and with the other parts of the system to deliver the specified protection capability. b. The Security Architecture provides the basis for understanding the different levels of trust within the system, where the levels of trust exist, the information flows that occur within a level of trust, and the information flows that cross trust level boundaries. This section, building on the previous information, must explain these relationships. c. Identify the security functions within the Security Architecture. This will include showing the following information: i. Shows the security-relevant elements of the system; ii. Shows the allocation of system security requirements to the security-relevant elements; iii. Shows the placement of the security-relevant elements in the system architecture; iv. Describes the trust relationships between the security-relevant elements; and v. Provides a security-focused narrative about the system security architecture and its security properties that is sufficient to explain the system implementation. d. Document any additional security requirements resulting from architectural decisions made during the design process and ensure that those requirements are incorporated into the requirements baseline. Additional requirements are categorized as either being derived from existing requirements or constituting new system security requirements. Derived system security requirements refine and/or extend the system security requirements baseline provided.		

- e. Document the security interfaces, security interconnections, and the trust relationships between system elements and between the system and external systems by describing the following:
 - i. How security-relevant functions are allocated to individual system elements (making those elements trusted system elements after appropriate assurance arguments are made);
 - ii. The trust relationships between the trusted system elements;
 - iii. The information flows and interconnections that realize the trust relationships;
 - iv. How the trusted system elements combine and interact with each other and with the other parts of the system to deliver the specified protection capability;
 - v. The different levels of trust within the system;
 - vi. Where the levels of trust exist;
 - vii. The information flows that occur within a level of trust; and
 - viii. The information flows that cross trust-level boundaries.
- f. Analysis and evaluation of the Security Architecture including the following:
 - i. Show the allocation of security functions to operators, maintainers, administrators and other defined designated users;
 - ii. Show the allocation of security functionality to personnel, physical security, and technology;
 - iii. Demonstrate how the Security Architecture safeguards provide risk management and address the threat scenario's provided; and
 - iv. Demonstrate how alternative architectural designs, and associated engineering trades and risk treatment trades, assist in Security Architecture and element design, including efficient sharing of data and access across system boundaries.

UWSU-DID-SE-019 – System Security Plan

DATA ITEM DESCRIPTION		
1. TITLE System Security Plan (SSP)		2. IDENTIFICATION NUMBER UWSU-DID-SE-019
3. DESCRIPTION The System Security Plan (SSP) must describe the security plan for the UWSS as it relates to the activities required for this Contract.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted using Microsoft Word and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The SSP must include the following as a minimum: a. Provide the system categorization; b. Describe the operational environment for the system; c. Describe interconnections with other systems; d. Provide an overview of the security controls applicable to the system including any derived controls and particular controls for the system; and e. Describe how the security controls will be met by the various security elements within the security architecture. 10.3.2 The SSP must include a Countermeasure Plan showing how security risks as identified in the Security Risk Assessment for the UWSS will be mitigated and the mitigation level to be achieved. The Countermeasure Plan must include consideration for: a. Anti-tamper protection of critical system elements; b. Information assurance measures to protect CPI to ensure system availability, integrity, authentication, confidentiality, and non-repudiation; c. Software assurance for the design of software security protections; d. Supply chain risk management for CPI and mission-critical functions and components; e. Identification of trusted suppliers; and f. The System Security Engineering process.		

UWSU-DID-SE-020 – Security Concept of Operations

DATA ITEM DESCRIPTION		
1. TITLE Security Concept of Operations (CONOPS)		2. IDENTIFICATION NUMBER UWSU-DID-SE-020
3. DESCRIPTION The Security Concept of Operations (CONOPS) must describe the UWSS security elements, security policies, classes of users, interactions with non-security system elements, and the security systems contribution to Royal Canadian Navy mission capability.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
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UWSU-DID-SE-021 – Security Requirements Traceability Matrix

DATA ITEM DESCRIPTION		
1. TITLE Security Requirements Traceability Matrix		2. IDENTIFICATION NUMBER UWSU-DID-SE-021
3. DESCRIPTION The Security Requirements Traceability Matrix (SRTM) must describe how the security elements of the security architecture design will satisfy the UWSU Security Outcome Requirements.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
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UWSU-DID-SE-022 – Security Plan of Actions and Milestones

DATA ITEM DESCRIPTION		
1. TITLE Security Plan of Actions and Milestones		2. IDENTIFICATION NUMBER UWSU-DID-SE-022
3. DESCRIPTION The Security Plan of Actions and Milestones (POAM) must be used to identify unacceptable risk and risk response action plans that will remediate the risk to an acceptable level.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
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UWSU-DID-SE-023 – Security Test and Evaluation Plan

DATA ITEM DESCRIPTION		
1. TITLE Security Test and Evaluation Plan		2. IDENTIFICATION NUMBER UWSU-DID-SE-023
3. DESCRIPTION The Security Test and Evaluation (ST&E) Plan must detail the manner in which the ST&E must be conducted to provide objective evidence for the assessor of the implementation of security controls.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
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UWSU-DID-SE-024 – Security Assurance Requirements Document

DATA ITEM DESCRIPTION		
1. TITLE Security Assurance Requirements Document		2. IDENTIFICATION NUMBER UWSU-DID-SE-024
3. DESCRIPTION The Security Assurance Requirements Document must provide the evidence of security assurance of the UWSS design and build processes.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
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UWSU-DID-CM-001 - Configuration Management Plan

DATA ITEM DESCRIPTION		
1. TITLE Configuration Management Plan (CMP)		2. IDENTIFICATION NUMBER UWSU-DID-CM-001
3. DESCRIPTION The Configuration Management (CM) Plan must specify the CM processes, how they are organized, how they will be conducted, and the methods, procedures and controls that will be used to ensure effective configuration identification, change control, status accounting, and audits of the UWSS configuration and associated deliverables configurations.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The CMP must include the following as a minimum: a. Introduction-This section includes: i. Purpose, Scope and Objectives - This section describes the Contractor's understanding of the purpose, scope and objectives of the CM Plan; ii. Policies and Standards - This section describes the policies, standards, specifications and manuals of both Canada and the Contractor that will be adhered to in the Contractor's execution of its CM functions in delivering the UWSS. Reference to the document's title, number, issuing authority, revision, and date of issue must be made in this section; iii. Management Processes - This section describes the organization and processes by which the Contractor will perform Configuration Management; and iv. Deliverable CM Documentation - This section describes each document and a summary of its contents that will be used in managing the configuration of the UWSS and associated Deliverables. b. Development of Configuration Items - This section describes the method for: i. Developing the Functional Baseline in accordance with the requirements of the SOW; ii. Selecting the level at which the configuration of the UWSS will be managed in order to control all processes required to deliver the UWSS and associated Deliverables in accordance with the SOW; iii. Identifying Configuration Items; and iv. Developing corresponding Product Configuration Documentation. c. Configuration Identification - This section describes the process for the assignment and application of configuration identifiers to Configuration Items. This section also describes the identification scheme that will be used to identify revisions to systems, hardware, software, firmware and documentation resulting from		

Authorized design changes;

d. Configuration Item Authorization and Acceptance - This section describes how Authorization for the proposed Functional Baseline via System Requirements Review (SRR) and Product Configuration Documentation via Preliminary Design Review (PDR), and Critical Design Review (CDR) will be acquired. This section also describes how Acceptance for the proposed Functional Baseline via the Functional Audit, and for the proposed Product Baseline and Physical Configuration Audit will be acquired;

e. Configuration Management of the UWSS and associated Deliverables - This section describes the process for ensuring that the configuration of each UWSS HWCI and CSCI and associated Deliverables and documentation, will be maintained with respect to the Authorized Functional and Product Baselines.

f. Configuration Change Management - This section describes the process by which required changes to CIs will be implemented via:

- i. Problem Reports;
- ii. Authorization by Canada of changes necessary to address Problem Reports;
- iii. Preparation and delivery of Design Change Packages;
- iv. Authorization of the Design Change Packages; and
- v. Implementation of the Authorized changes in all UWSS HWCI, CSCIs and associated Deliverables.

g. Configuration Audits - This section describes the information and processes to be used at the Functional Configuration and Physical Configuration Audits for verifying that all First Article UWSS Configuration Variants and Configuration Items are compliant with the SOW. This section also describes the process for collecting, recording, verifying, validating, maintaining, and delivering configuration status accounting information to Canada.

h. Configuration Management Resources - This section describes the resources required to conduct CM:

- i. The Contractor's CM authorities, organization, and skills;
- ii. Information, materials, equipment, facilities, services, Government Furnished Resources; and
- iii. The coordination of these resources required to conduct the CM of the UWSS and associated Deliverables;

i. Subsequent sections will be used to describe how all CM activities will be coordinated with the following:

- i. Project Management (specifically organizational interfaces and communications, schedule, and their overall management as related to CM);
- ii. Quality Management;
- iii. Risk Management;
- iv. Requirement Management;
- v. System Engineering;
- vi. Design Reviews;
- vii. Acceptance Program;
- viii. Configuration Management documentation and reporting deliverables;
- ix. Government Furnished Resource management;
- x. ILS Management;
- xi. Obsolescence Management; and
- xii. Objective Evidence.

UWSU-DID-CM-002 - Equipment Breakdown Structure

DATA ITEM DESCRIPTION		
1. TITLE Equipment Breakdown Structure (EBS)		2. IDENTIFICATION NUMBER UWSU-DID-CM-002
3. DESCRIPTION The Equipment Breakdown Structure (EBS) must define the system including the selected Configuration Items (CIs), and identify the associated Product Baseline data and documents.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The EBS must define the system including the selected Configuration Items (CIs), and identify the associated Product Baseline data and documents. 10.3.2 The EBS must be comprised of a list and a pictorial representation of the system decomposition down to the Line Replaceable Unit (LRU), including identification of each item selected as CI. The EBS must also identify the associated Product Baseline data and documents, including drawings, for each item.		

UWSU-DID-CM-003 - Configuration Status Accounting Report

DATA ITEM DESCRIPTION		
1. TITLE Configuration Status Accounting Report		2. IDENTIFICATION NUMBER UWSU-DID-CM-003
3. DESCRIPTION The Configuration Status Accounting (CSA) Report must detail the information required to effectively manage Configuration Items (CIs) and provide visibility of Configuration Management activities, including status of deviations, waivers and engineering changes.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted using Microsoft Word and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The Configuration Status Accounting Report must meet the intent of Section 5.2 of the Allied Configuration Management Publication (ACMP), NATO Requirements for Configuration Status Accounting, ACMP-4 (Edition 1-1998). The Configuration Status Accounting Report must detail the information required to effectively manage Configuration Items (CIs) and provide visibility of Configuration Management activities, including status of deviations, waivers and engineering changes. 10.3.2 The Configuration Status Accounting Report must provide as a minimum the identification of each CI, and list all new, outstanding and historical ECPs, RFDs, RFWs, and SCNs, including their status, against each CI.		

UWSU-DID-CM-004 - Specification Change Notice

DATA ITEM DESCRIPTION		
1. TITLE Specification Change Notice (SCN)		2. IDENTIFICATION NUMBER UWSU-DID-CM-004
3. DESCRIPTION <p>Specification Change Notices (SCN) must describe the required changes to specifications for which an Engineering Change Proposal (ECP) or Request for Deviation (RFD) is being submitted. Prior to approval of the associated ECP or RFD, each SCN must provide the specification approving authority with the changes that will be implemented if the ECP or RFD is approved. Following approval of the associated ECP or RFD, each SCN will be used to direct the specification custodian to implement the required changes.</p>		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP <p>7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.</p>		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS <p>10.1 SOURCE DOCUMENT</p> <p>10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract.</p> <p>10.2 FORMAT</p> <p>10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein.</p> <p>10.2.2 This DID must be submitted using Microsoft Word and as further described herein.</p> <p>10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein.</p> <p>10.3 CONTENT</p> <p>10.3.1 SCNs must meet the intent of the Allied Configuration Management Publication (ACMP), NATO Requirements for Configuration Control-Engineering Changes, Deviations and Waivers, ACMP-3 (Edition 1-1998). SCNs must describe the required changes to specifications for which an Engineering Change Proposal (ECP) or Request for Deviation (RFD) is being submitted. Each SCN must have sufficient details to permit the specification custodian to implement the required changes once the ECP or RFD is approved. The following information must be included and detailed for each SCN:</p> <ul style="list-style-type: none"> a. General information (i.e. originator, date, SCN number, and etc.); b. Related ECP or RFD number; c. Specification number (specification to which SCN applies); d. Configuration Item (CI to which ECP or RFD applies); e. Description of changes; f. Previously approved related SCN (including related ECPs, RFDs, changed pages, dates, and etc.); g. Disposition of SCN; and h. Authorities (Submitting, Reviewing, Recommending and Approving). 		

UWSU-DID-CM-005 - Equipment Labelling Package

DATA ITEM DESCRIPTION		
1. TITLE Equipment Labelling Package		2. IDENTIFICATION NUMBER UWSU-DID-CM-005
3. DESCRIPTION The Equipment Labelling Package must have a full scale reproduction of each label to be applied to the UWSS equipment and associated Deliverables.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The Equipment Labelling Package must include the following as a minimum: <ul style="list-style-type: none"> a. Introduction: This section describes the scope and purpose of the package, together with applicable definitions, references and related documents. b. Label Development: This section describes the derivation of each label from the CM process, the safety management process, and from the standard equipment and safety terminology acquired from Canada; and c. Labels: This section includes full scale drawings of each UWSS equipment label, with the specific terminology to be used on the proposed labels. 		

UWSU-DID-ILS-001 - Integrated Logistics Support Plan

DATA ITEM DESCRIPTION		
1. TITLE Integrated Logistics Support Plan		2. IDENTIFICATION NUMBER UWSU-DID-ILS-001
3. DESCRIPTION The Integrated Logistic Support (ILS) Plan must set forth the functions to support the UWSS as it relates to the activities required for this Contract.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted using Microsoft Word and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.2.4 The ILS Plan may be part of the Project Management Plan. 10.3 CONTENT 10.3.1 The ILS Plan must detail the Contractor's program to support the following aspects: <ul style="list-style-type: none"> a. Preventative and Corrective Maintenance b. Obsolescence Management c. Software Support d. Logistics Management Information; e. Supply Support; f. Packaging, Handling, Storage and Transportability: The package, handling, storage, and transportability must be performed in accordance with A-LM-187-001/JS-001 and A-LM-187-002/JS-001; g. Technical Publications; h. Training; and i. Warranty and R&O Support. 		

UWSU-DID-ILS-002 - Provisioning Documentation Package

DATA ITEM DESCRIPTION		
1. TITLE Provisioning Documentation Package		2. IDENTIFICATION NUMBER UWSU-DID-ILS-002
3. DESCRIPTION The Provisioning Documentation Package defines the spare parts provisioning deemed necessary to maintain the UWSS and its associated support equipment.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The Provisioning Documentation must be prepared in accordance with D-01-100-214/SF-000 Specification for Preparation of Provisioning Documentation for Canadian Forces Equipment. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The Provisioning Documentation Package must define the quantities of initial Level 1 and Level 2 spares to: <ul style="list-style-type: none"> a. support each UWSS that will be implemented, including any options; and b. support each in-service UWSS for the first two (2) years of operation. 10.3.2 The Provisioning Documentation Package must include the following at a minimum: <ul style="list-style-type: none"> a. The Provisioning Parts Breakdown (PPB) defining the top down organization of the UWSS, its HWCIs, and components that may be procured as spares, and the associated information required by D-01-100-214/SF-000 for each component; b. The Recommended Spare Parts List (RSPL) defining the recommended spares and consumable items required to maintain/support the equipment for a 24 month period by CAF units performing level 1 maintenance tasks as per the Maintenance Plan, and defining the recommended spares and consumable items required to maintain/support the equipment for a ten (10) year period by a Contractor Support organization performing level 2 and level 3 maintenance tasks as per the Maintenance Plan and including Repair and Overhaul (R&O) activities. This section must include a yearly contractor cost for parts and labour to support the equipment as per the recommended maintenance plan; c. The Long Lead Time Item List (LLTIL), only as required to specify and justify the provisioning of those spares that have an acquisition lead time that would not allow them to be supplied following the Initial Provisioning Conference in accordance with the sparing schedule; d. Supplementary Provisioning Technical Documentation in accordance with D-01-100-214/SF-000; 		

e. The long deployment missions pack requirements. Defining the recommended level of additional spares and consumables required for an UWSU installed ship on a long deployment, over six (6) months; andf. An Equipment Support List (ESL) for each of the major UWSS Equipment Group systems that is produced in accordance with A-LM-505-054/JS-001; 2001-04-30. The ESLs are to be generated as part of the Initial Provisioning Process and is to be used to identify sparing procurement and support activities.

UWSU-DID-ILS-003 - Training and Training Support Plan

DATA ITEM DESCRIPTION		
1. TITLE Training & Training Support Plan		2. IDENTIFICATION NUMBER UWSU-DID-ILS-003
3. DESCRIPTION The Training and Training Support Plan (TTSP) defines the Contractor activities required to plan, prepare, document and deliver Operator and Maintainer Initial Cadre Training (ICT), instruction to Navy Training System personnel, and propose a course of action to transition from the ICT training to a DND self-sustained training mode, including the recommended training tools and their associated costs.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The TTSP must define the Contractor activities required to plan, prepare, document and deliver Operator and Maintainer Initial Cadre Training and instruction to Canadian Armed Forces (CAF) personnel. The TTSP must describe the above in detail and cover the following points as a minimum: <ul style="list-style-type: none"> a. Training Organization and Instructor Resources; b. Development of Course Syllabus, Lesson Plans, and etc.; c. Course titles; d. Course durations; e. Min/Max number of students per course; f. Instructor, including details of instructor's relevant experience, for each course; g. Prerequisite student training/experience for each course; h. Training method for each course; i. Training material and training aids used for each course; and j. Student Evaluation. 10.3.2 The Contractor must identify a training solution required to provide steady state training inside the Navy Training System. This should include a rough order of cost breakdown for recommended training material, training aids and equipment. 10.3.3 The TTSP must include a Training Development Program Report following the guidelines specified in A-P9-050-000/PT-003, Canadian Forces Individual Training and Education System (CFITES) Volume 3, Analysis of Instructional Requirements and A-P9-050-000/PT-004, CFITES Volume 4, Design of Instructional Programmes. The Training Development Program Report must address methods and processes for determining the following as a minimum:		

- a. the Training Task List, the No-train Task List, the Rationale for selection or rejection of tasks for training, and the Performance Objectives in accordance with CFITES Volume 3;
- b. the Enabling Objectives and Teaching Points in accordance with CFITES Volume 4;
- c. achievement testing, including method of assessment, pass and fail policy, and progress testing in accordance with CFITES Volume 4; and
- d. lesson specifications and resource requirements in accordance with CFITES Volume 4.

UWSU-DID-ILS-004 - Initial Cadre Training Package

DATA ITEM DESCRIPTION		
1. TITLE ICT Package		2. IDENTIFICATION NUMBER UWSU-DID-ILS-004
3. DESCRIPTION The ICT Package contains the information to be provided by the Contractor in support of delivering Initial Cadre Training (ICT).		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The ICT Training Package must include the following as a minimum: a. course presentation slides; b. student handouts; c. instructor speaking notes; d. schedule and sequencing; e. any information required by the Instructor to simulate faults for maintenance training; and f. required resources such as tools, test equipment, pre-faulted components, teaching aids, and etc. 10.3.2 The following topics must be addressed in the content of the Operator ICT(s) as a minimum: a. Overview of System theory; b. Equipment overview; c. Equipment set-up; d. Pre-use testing/inspection; e. Use and operation; f. User maintenance and care; g. Consumable replacement; h. Basic diagnosis and/or fault finding; i. Storage; j. Safety, including personnel and equipment; and k. Hazardous material issues. 10.3.3 The following topics must be addressed in the content of the Maintainer ICT as a minimum: a. Inspection and testing; b. Troubleshooting and fault finding; c. Preventive maintenance procedures;		

- d. Corrective maintenance procedures;
- e. Maintenance resources, facilities, assemblies/sub-assemblies, consumables, tools and test equipment required;
- f. Personnel and equipment safety issues;
- g. Hazardous material issues, including handling and disposal; and
- h. Controlled Goods and Intellectual Property issues for the equipment and its associated data, including disposal.

UWSU-DID-ILS-005 - Logistic Support Analysis Document

DATA ITEM DESCRIPTION		
1. TITLE Logistic Support Analysis Document		2. IDENTIFICATION NUMBER UWSU-DID-ILS-005
3. DESCRIPTION The Logistic Support Analysis (LSA) Document is used to report the results of Logistic Support Analysis.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The LSA must include the following as a minimum: <ul style="list-style-type: none"> a. Master and Critical Equipment Lists: Which specifically define each of the configuration managed equipment items in question and those items whose criticality of failure demand that their maintenance be addressed via systematic LSA; b. Failure Mode Effect and Criticality Analysis (FMECA): Which identifies equipment failures, and prioritizes them according to their corresponding criticalities, effects, and frequencies; c. Reliability Centered Maintenance Analysis (RCMA): Which identifies the minimal Predictive Maintenance (PdM) and preventive maintenance (PM) activities that will minimize the Corrective Maintenance necessary to address the critical failures identified in the FMECA; d. Maintenance Task Analysis (MTA): Which identifies the human resources, skills, tools, test equipment, facilities, and documentation necessary to undertake the PdM, preventive maintenance, and corrective maintenance identified in the RCMA; e. Level of Repair Analysis (LORA): Which identifies the lines and levels for PdM and PM specified in the RCMA, specifically to identify the Line Replaceable Units (LRUs) on which the PdM, preventive maintenance, and corrective maintenance activities will be conducted at a given location, and by a given organization; and f. Sparing Analysis: Which identifies the types and quantities spares necessary to support the above activities with respect to many factors such as their consumption rates, obsolescence rates, availability from suppliers, lead times, repairable vs. disposable LRUs, and etc. This analysis also identifies where these spares will be held with respect to repair lines, how sparing levels will be maintained, associated packaging handling, and storage. 		

UWSU-DID-ILS-006 – Tools and Test Equipment List

DATA ITEM DESCRIPTION		
1. TITLE Tools and Test Equipment List		2. IDENTIFICATION NUMBER UWSU-DID-ILS-006
3. DESCRIPTION The Tools and Test Equipment (TTE) List identifies all support tools and test equipment required to perform first and second level maintenance of the system.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The TTE List must identify all special purpose and general purpose tools and test equipment required to inspect, repair, overhaul, assemble, disassemble, test and otherwise maintain the system at the first and second level. As a minimum, equipment must be identified by OEM Part Number and CAGE Code. 10.3.2 Test equipment includes General Purpose Test Equipment, Special Purpose Test Equipment, General Purpose Tools for Maintenance and Special Purpose Tools for Maintenance. Test equipment is used to inspect, repair, assemble, disassemble, test and otherwise maintain the UWSS. 10.3.3 The TTE List must identify all Special Purpose Tools and Test Equipment that is Government Furnished Equipment that may or may not require modification for support of the system.		

UWSU-DID-ILS-007 – Transition Plan

DATA ITEM DESCRIPTION		
1. TITLE Transition Plan		2. IDENTIFICATION NUMBER UWSU-DID-ILS-007
3. DESCRIPTION <p>The UWSU Transition Plan describes how the Contractor plans to seamlessly transition materials, services and information control into in-service support (in-service support which will be conducted in accordance with the UWSU In-Service Support Performance Work Statement (PWS) as part of the UWSU In-Service Support contract under the authority of DND), for the systems, capabilities, materials, information and knowledge established as a result of the UWSU Acquisition contract.</p>		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP <p>7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.</p>		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS <p>10.1 SOURCE DOCUMENT</p> <p>10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract.</p> <p>10.2 FORMAT</p> <p>10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein.</p> <p>10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein.</p> <p>10.3 CONTENT</p> <p>10.3.1 The Transition Plan must address activities needed to ensure that the Contractor is ready in all respects for maintaining the UWSU deliverables and all associated equipment systems delivered under acquisition, and most specifically the needs for those to be transitioned to in-service support, including both contractor and DND elements of in-service support. The plan must address concepts such as how the capability and capacity will be established for the provision of support from first contract or system deliveries until completion of last deliveries, including to the end of the transition periods between the acquisition and in-service contracts. The plan must also describe how systems will be transitioned from acquisition control into in-service support control, through a process with Canada's acceptance, for each system or delivery and the transition of each specific acquisition project controlled item and service into in-service support control.</p> <p>10.3.2 The Transition Plan must also describe and address the following:</p> <ul style="list-style-type: none"> a. how the Contractor will execute plans, processes, requirements and work during lead-up to Transition; b. how the Contractor plans to ramp up their in-service capacity to support all UWSU delivered systems and associated equipment on both coasts under in-service support, in parallel with a ramp-down of interim support (pre-transition) provided under acquisition; c. the sequencing, scalability, and geographical location for all support activities; d. the problem reporting and risk management processes which will identify In-service Support Start-up Support and interim Acquisition Support deficiencies, risks, issues, gaps and make recommendations for their mitigation and resolution in order to achieve Transition; e. coordination of meetings with Canada during Transition; f. readiness measures to be used in lead-up to transition to ensure the contractor is establishing various 		

services as required in accordance with the ISS PWS including timelines for when resources and infrastructure will be put in place and details regarding access requirements to Canada's facilities;

g. readiness measures to be used in lead-up to transition to ensure the contractor has demonstrated their capability, capacity and support services to support both coasts;

h. plans to address how the Contractor will ensure alignment with *Halifax*-class Program Management elements, DND Formations and assigned Units, and other *Halifax*-class In-service Support Service providers, so that Services can be planned and delivered efficiently;

i. obsolescence management of equipment, whether fitted or in production, during lead-up to Transition;

j. transition of any existing legacy system contracts and sub-contracts, as necessary, to the UWSU In-service Support Contract in accordance with the UWSU PWS;

k. transition of required Integrated Logistic Support (ILS) materials and information including technical data and training materials;

l. transition of DND training capability from the legacy systems prior to achievement of Full Operational Capability; and

m. transition of the Contractor's linked Electronic Information Environment / Collaborative Environment electronic data exchange systems to the In-Service Support Contract prior to the completion of installation of the 3rd operational UWSS EG system.

UWSU-DID-TD-001 - Technical Data Package

DATA ITEM DESCRIPTION		
1. TITLE Technical Data Package (TDP)		2. IDENTIFICATION NUMBER UWSU-DID-TD-001
3. DESCRIPTION The Technical Data Package (TDP) must document all Technical Data items required to define the configuration and function of the UWSS, and to operate, maintain and support the system.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 The TDP must consist of one package incorporating all new, existing, commercial, and government drawings and specifications. 10.2.2 All TDP documents must be marked with the Controlled Goods and Intellectual Property legend as necessary. 10.2.3 The TDP must incorporate a Design Data List to itemize each document in the TDP. 10.2.4 The TDP drawings must: <ul style="list-style-type: none"> a. Be formatted in accordance with D-01-400-002/SF-000, Drawings, Engineering and Associated Lists; b. Incorporate the drawing; c. Incorporate the title block data; d. Incorporate the Configuration Item nomenclature; and e. Be provided with multi-sheet drawings delivered in one file. 10.2.5 The TDP drawing parts lists must be: <ul style="list-style-type: none"> a. Integral with the single sheet drawings; or b. Placed separately on the first sheet of multi-sheet drawings. 10.2.6 The TDP drawings must be prepared on standard metric drawing sizes A0 to A4 and B1, or imperial sizes A to K and legal as required. 10.2.7 The TDP drawings must use the mono-detail drawing system. 10.3 CONTENT 10.3.1 The TDP must: <ul style="list-style-type: none"> a. Define the entire configuration of the UWSS, each CI, each component associated with each CI, and their organization within the UWSS; b. Provide Product Configuration Documentation that will describe the necessary physical and functional characteristics of each CI and any verification needed to demonstrate the CI's performance. This includes product, materiel and process specifications: engineering drawings; military specifications; and other technical 		

- documentation. This information will assist in defining the UWSS Product Baseline;
- c. Provide Supplementary Provisioning Technical Documentation (SPTD) to support the Initial Provisioning Process;
 - d. Provide technical details required for the Engineering Change Guidance Package;
 - e. Provide technical reference information as required for in-service UWSS manuals;
 - f. Provide additional information necessary to supplement information provided by other DIDs, so as to enable Canada or a third party to address all in-service UWSS requirements;
 - g. Provide engineering drawings and specifications for installation of UWSS equipment and removal of legacy equipment for shore-based systems; and
 - h. Provide drawings and specifications of shore-based facilities for shore-based systems.

10.3.2 The TDP must contain a list of every data item provided in the TDP, including the following as a minimum:

- a. An identification number and title for each data item that is the same as that found on TDP;
- b. A brief description of each data item type (specification, drawing, list, and etc.);
- c. A hierarchical organization of the data items;
- d. Any copyrights, proprietary rights or translation rights that apply to the items; and
- e. Ownership of the data items.

10.3.3 The TDP drawings that must be newly created or that must be amended for use must include content required by this DID, and D-01-400-001/SG-000, Engineering Drawing Practices.

10.3.4 The TDP drawings that exist and are complete commercial or government off-the-shelf documents must include all content required by this DID, and D-01-400-002/SF-000, Drawings, Engineering and Associated Lists, Section 3.2.

10.3.5 All TDP drawings must be Level 3 quality.

10.3.6 All TDP specifications and references must be provided in accordance with D-01-400-002/SF-000, Drawings, Engineering and Associated Lists, Sections 3.4 and 3.5.

10.3.7 The TDP must include the following as a minimum:

- a. Schematic representation of the overall family tree of the UWSS indicating all HWCI and resident CSCIs;
- b. Schematic representation of the overall architecture and integration of the UWSS indicating all HWCI, resident CSCIs, and interfaces to the ship in which they are installed;
- c. General arrangement and assembly of the UWSS, its HWCI, and interfaces to the ship in which they are installed;
- d. Detailed configuration of each UWSS HWCI, and all associated components;
- e. All materials and components that comprise each UWSS HWCI;
- f. Data for each UWSS structural and mechanical interface to a level of detail necessary to acquire all material and components, fabricate the interfaces, and install the UWSS HWCI; and
- g. Cable, connector, and pin-out data for each UWSS power and signal cable for system interconnection and shipboard interface, to the level of detail necessary to acquire all cable components, fabricate cables, and install cables.

UWSU-DID-TD-002 - Material Safety Data Sheets

DATA ITEM DESCRIPTION		
1. TITLE Material Safety Data Sheets		2. IDENTIFICATION NUMBER UWSU-DID-TD-002
3. DESCRIPTION Material Safety Data Sheets (MSDSs) provide information and instructions on the chemical and physical characteristics of a substance, its hazards and risks, the safe handling requirements and actions to be taken in the event of fire, spill, overexposure or other risk.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 This DID must be submitted in original product vendor format and as further described herein. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENTS 10.3.1 The MSDS must conform to the requirements specified under the Canada Hazardous Products Act and Canadian WHMIS systems and will contain as a minimum information under the following nine headings: <ul style="list-style-type: none"> a. Hazardous ingredients; b. Preparation information; c. Product information; d. Physical data; e. Fire or explosion hazard; f. Reactivity data; g. Toxicological properties; h. Preventive measures; and i. First aid measures. 		

UWSU-DID-TD-003 - Engineering Change Guidance Package

DATA ITEM DESCRIPTION		
1. TITLE Engineering Change Guidance Package		2. IDENTIFICATION NUMBER UWSU-DID-TD-003
3. DESCRIPTION The Engineering Change Guidance Package (ECGP) must contain all technical information and installation instructions for UWSS to support of the development of the Engineering Change Specification.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1. The ECGP must contain all technical information and installation instructions for the UWSS to support the development of the Engineering Change Specification by Canada in accordance with C-03-007-000/AG-001, Guide, Development of Engineering Change Installation Package. 10.3.2. The following are examples of the types of information that the Contractor must include in the ECGP, and cover information that must be included as part of the ECGP if applicable to the installation of the UWSS: a. Physical i. Equipment size completely described - (height, width, depth); ii. Rack Mounted equipment identified and method of securing equipment within rack; ii. Dimensional tolerance specified; iv. Moving part clearances and installation or maintenance access areas defined and labeled; v. If equipment is shock mounted, excursion clearances must be defined; vi. Sway brace mounting points defined; vii. Cable clearance defined; viii. Weight stated. If liquid cooled, wet-weight is required; ix. Centre of gravity dimensionally located; x. All structural changes to the ship, including hull, decking, bulkhead, superstructure, piping and electrical conduit, whether permanent or temporary for the purposes of installation; xi. Mounting bolt pattern or templates, etc., identified and dimensioned; xii. Mounting-hole size defined; xiii. Mounting hardware defined (fastener/washer quantity, size and type) xiv. Non-standard mounting hardware torque values defined (dry or lubricated); xv. Mounting restrictions (such as orientation or location) based on shock; qualification. If restrictions do not exist, then "unrestricted mounting" should be stated; xvi. Coolant connections dimensionally located – If required; xvii. Cooling air exhaust and intake defined and dimensionally located and clearance required for air		

inlet/exhaust stated – If required;
xviii. Dry/air/gas connection defined (marked with "inlet" or "purge point") and dimensionally located – If required;
xix. Cable connections/entries dimensionally located;
xx. Dimensionally located and sized unit ground studs - if present;
xxi. Lifting aids dimensionally located. Eyebolt ID/OD defined; and
xxii. Equipment break-down and re-assembly instructions for onboard shipping routes and rigging requirements.

b. Foundations

i. Mounting surface requirements defined (flatness, orientation, etc.);
ii. Resilient mounting indicated;
iii. Interfacing materials defined (for galvanic corrosion avoidance);
iv. Mounting plate thickness;
v. Critical Alignment requirements;
vi. Bonding and grounding requirements clearly stated; and
vii. Special installation notes (bonding, grounding, spacers, etc.) – To be provided - if required.

c. Power

i. Power requirements - (type, operating voltage, peak current including fully drained UPS if applicable, nominal current, frequency, phase and source) - all defined;
ii. Power factor (leading or lagging) for steady state operation;
iii. Cable Type and size identified (AWG or equiv.);
iv. Grounding requirements (single point, wire gauge, etc.);
v. External motor power and load factor stated - if applicable;
vi. Make and type of electric motor (AC induction, AC synchronous, DC shunt, DC series, etc.) – if applicable;
vii. External motor efficiency (%) stated - if applicable; and
viii. Electrical connection diagram.

d. Heat Dissipation

i. Cooling requirements stated (CFM, GPM, inlet temp, quality, flow pressure, max pressure drop);
ii. Coolant connections located, identified (type, flow direction) – If required;
iii. Flow rate cooling requirements per MIL-W-21965D – If required;
iv. Water cooled equipment requirements: flow, inlet temperature, flow pressure, and maximum pressure drop – if required; and
v. Heat dissipation to coolant and to room stated for steady state condition.

e. Electrical Interconnection and Interfaces

i. Cable types and sizes identified (AWG or equiv.);
ii. Supplied with Equipment (SWE) cables and connectors identified;
iii. Cable EMI designations (or functionality to determine EMI designations) provided;
iv. Cabling and/or Equipment designated as RED; installed in accordance with EMSEC regulations;
v. Cable connection points identified (marking, terminal #, jack #);
vi. Cable connectors, backshells, boots, adapters & all accessories defined, (manufacturer part number, MIL Spec. identified);
vii. Connector pinning/termination details – for all cables (or "Cable Run Sheets") to be provided;
viii. Termination criteria for all spare conductors and cable shields;
ix. Interface type (i.e., RS-232, NTDS, etc.) and function name;
x. Ethernet – copper/fiber defined requirements;
xi. If redundant interfaces, indicate Norm and Alt;
xii. Sufficient cable clearances identified; and
xiii. For non-standard interfaces, cable length constraints or max allowable loss value to be provided.

f. Environmental

i. Shock grade and class per MIL-S-901D and D-03-003-007/SG-000;
ii. Vibration requirements per MIL-STD-167-1A;
iii. Operating and non-operating temperature ranges;
iv. Relative Humidity MIL-STD-810G; and

v. Power tolerances per STANAG 1008.

g. Other

- i. Special human factors access requirements defined (sight gauge, handles, switches, etc.);
- ii. Special installation tools or special test equipment identified if required;
- iii. Special stowage requirements listed if required, i.e. SWE headsets, SWE test cables, SWE hoses, etc.;
- iv. Control, Monitoring and Instrumentation Requirements;
- v. EMI Characteristics;
- vi. Dry air/gas requirements defined (pressure, quantity, quality, etc. for normal operation and initial operation/post maintenance);
- vii. Special waterproofing requirements stated;
- viii. Other non-standard installation practices stated if required;
- ix. Any other installation related factors that should be considered – cable routing;
- x. Hazardous materials present/utilized;
- xi. Set-To-Work, Inspections, Tests, and Trials; and
- xii. Impacts from the Major Surface Combatant Engineering Change Impact Analysis Checklist. Volume 1, Annex D, Appendix 7.

10.3.3 The ECGP must contain technical information for the UWSS requested by the Engineering Change Working Group.

UWSU-DID-TD-004 - System User Manual

DATA ITEM DESCRIPTION		
1. TITLE System User Manual		2. IDENTIFICATION NUMBER UWSU-DID-TD-004
3. DESCRIPTION The System User Manual must define all procedures required for the operators to operate and control all UWSS functions.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The System User Manual must include the following as a minimum: <ul style="list-style-type: none"> a. Introduction – This section describes the scope and purpose of the manual, together with applicable definitions, references and related documents; b. System Summary – This section describes the overall system configuration and capabilities; c. Safety Precautions – This section provides the overall safety precautions to be observed during UWSS operations. Safety precautions must also be included where applicable throughout the manual; d. System Conventions – This section describes any conventions used by the UWSS, such as the use of colours in displays, the use of audible alarms, and the use of terminology; e. System Operation – This section describes the step-by-step procedures with adequate detail for inexperienced users to reliably: <ul style="list-style-type: none"> i. Turn on power, and bring the UWSS to an operational state; ii. Use each operator control provided with the UWSS; iii. Understand all system functions and operating modes that correspond to a given control; iv. Interpret user feed-back that correspond to a given control; v. Use the operator display and all associated capabilities; vi. Use each system capabilities; vii. Sequence shutdown and turning off power; and viii. Use each security and privacy capabilities pertaining to the UWSS user access. f. Recovery from Errors and Malfunctions – This section details procedures for: <ul style="list-style-type: none"> i. Interpretation of all alarms and error messages; ii. Addressing alarms and error messages; and iii. Restart or recovery from errors or malfunctions. 		

UWSU-DID-TD-005 - System Maintenance Manual

DATA ITEM DESCRIPTION		
1. TITLE System Maintenance Manual	2. IDENTIFICATION NUMBER UWSU-DID-TD-005	
3. DESCRIPTION The System Maintenance Manual must specify all required procedures, resources, and information necessary to undertake UWSS Level 1 and Level 2 maintenance activities through its in-service period..		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The System Maintenance Manual must include the following as a minimum to support Level 1 and Level 2 maintenance: <ul style="list-style-type: none"> a. Introduction – This section describes the scope and purpose of the manual, together with applicable definitions, references and related documents; b. Safety Precautions – This section provides the overall safety precautions to be observed during UWSS maintenance. Safety precautions must also be included where applicable throughout the manual; c. Preventive Maintenance – This section includes: <ul style="list-style-type: none"> i. Step-by-step procedures; ii. Frequency; iii. Required tools and test equipment; iv. Required spares and consumables identified by part number; v. Equipment break-out drawings and diagrams, included or referenced as necessary, to clearly identify the equipment access, orientation, connections, and specific points addressed by the maintenance; vi. Skills, qualifications, certifications required by personnel conducting the maintenance; vii. Safety hazards and corresponding warnings; and viii. Any procedures and routines which are required for software. d. Corrective Maintenance – This section includes: <ul style="list-style-type: none"> i. All UWSS error messages, and their meaning; ii. Step-by-step procedures for diagnosing and identifying faults associated with a failure or malfunction symptom, or an error message; iii. Step-by-step procedures for conducting repairs of associated with system faults and error messages; iv. Required tools and test equipment; v. Required spares and consumables identified by part number; vi. Equipment break-out drawings and diagrams, included or referenced as necessary, to clearly identify 		

the equipment access, orientation, connections, and specific points addressed by the maintenance;
vii. Skills, qualifications, certifications required by personnel conducting the maintenance;
viii. Safety hazards and corresponding warnings; and
ix. Any procedures and routines which are required for software.

UWSU-DID-TD-006 - Installation and Set-to-Work Manual

DATA ITEM DESCRIPTION		
1. TITLE Installation and Set-to-Work Manual		2. IDENTIFICATION NUMBER UWSU-DID-TD-006
3. DESCRIPTION The Installation and Set-to-Work Manual must define all procedures required to install each UWSS and to bring the UWSS to a state of full technical readiness for operation.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The Installation and Set-to-Work Manual must include the following as a minimum: <ul style="list-style-type: none"> a. All UWSS installation requirements including, but not limited to, structural, mechanical, electrical power, grounding, and electronic and digital interfaces, and interfaces to any other ship services; b. Installation requirements for the UWSS, itemized to the level of detail, and with references to the TDP provided, as necessary for a third party to design all aspects of the installation, produce the shipboard installation specification, acquire and fabricate all required material, customize the full range of shipboard elements necessary to accommodate the UWSS, and to conduct all associated installation activities; c. UWSS removal, transportation, handling, and storage requirements; d. All procedures, associated measurements, and criteria necessary to inspect, set-to-work, and test the UWSS, and verify that its configuration and functions are at a state of full technical readiness for operations; and e. All UWSS terminology which is consistent with the TDP. 		

UWSU-DID-TD-007 - Illustrated Parts Breakdown

DATA ITEM DESCRIPTION		
1. TITLE Illustrated Parts Breakdown		2. IDENTIFICATION NUMBER UWSU-DID-TD-007
3. DESCRIPTION The Illustrated Parts Breakdown (IPB) must provide all information necessary to positively identify all UWSS components and their location in the UWSS.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The IPB must be prepared in accordance with the formatting requirements: <ul style="list-style-type: none"> a. D-01-100-207-SF-000, Preparation of Parts Identification List; b. C-01-100-100/AG-006, Writing Format and Production of Technical Publications; c. C-01-100-100/AG-005, Acceptance of Commercial Foreign Government Publications as Adopted Publications; d. C-03-005-012/AM-001, Naval Materiel Management System Manual; and e. D-01-100-226/SF-001, Specification for Preparation of Test Sheets for Shipboard Systems and Equipment. 10.2.3 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The IPB must be prepared with the contents as required in accordance with the above same references in paragraph 10.2.2.		

UWSU-DID-TD-008 – Repairable Items List

DATA ITEM DESCRIPTION		
1. TITLE Repairable Items List		2. IDENTIFICATION NUMBER UWSU-DID-TD-008
3. DESCRIPTION The Repairable Items List is a listing provided by the contractor that describes all the individual Line Replaceable Items and higher assembly repairable items and their respective Maximum Repair Costs (MRCs).		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The Repairable Item List must be provided by the contractor to list the Line Repairable Unit level and Maximum Repair Cost (MRC) of each repairable item associated with the UWSS Equipment Group. Each line item of this listing must include as a minimum: <ul style="list-style-type: none"> a. the description of the item; b. the applicable NATO stock numbers; c. the part number; d. the unit cost; and e. the agreed MRC. 10.3.2 The MRC associated with each item represents the highest amount the Contractor can charge per repair item on a flow through repair basis without requesting specific per item permission to conduct the repair. The MRC percentage repair level is subject to negotiation between the Contractor and Canada and must be agreed to by both parties. The typical MRC set percentage is 60% of the unit cost of the item. 10.3.3 The repairable items list and MRC s be submitted by the Contractor to Canada for approval, in accordance with the CDRL and be fully agreed to before any Repair and Overhaul work is commenced. 10.3.4 The MRC, as defined in A-LM-184-001/JS-001, must not be exceeded without the approval of the CA.		

UWSU-DID-TD-009 – Data Collection Definitions and Libraries

DATA ITEM DESCRIPTION		
1. TITLE Data Collection Definitions and Libraries		2. IDENTIFICATION NUMBER UWSU-DID-TD-009
3. DESCRIPTION The Data Collection Definitions and Libraries must provide the Data Collection data structure definitions and the parser source code/dynamical link libraries.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DND / DGMEPM / DNCS 4-7	6. GIDEP APPLICABLE N/A
7. APPLICATION / INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the Contract.		
8. ORIGINATOR DND / DGMEPM / DNCS 4-7		9. APPLICABLE FORMS
10. PREPARATION INSTRUCTIONS 10.1 SOURCE DOCUMENT 10.1.1 The applicable issue of the documents cited herein, including their approval dates, and dates of any applicable amendments and revisions must be as specified in the Contract. 10.2 FORMAT 10.2.1 This DID must be submitted in accordance with the SOW Section 3.3 unless otherwise amplified herein. 10.2.2 The layout and content formatting structure of this DID must be determined by the Contractor unless otherwise specified herein. 10.3 CONTENT 10.3.1 The Data Collection Definitions and Libraries must include the following in digital format: <ul style="list-style-type: none"> a. Data Collection data structure definitions files; b. Data Collection parser source code or dynamic link libraries files; and c. Interface specification for the Data Collection parser source code or dynamic link libraries files. 		