

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## ANNEX C

### DATA ITEM DESCRIPTION (DID) For The RADIATION DETECTION SYSTEM(S) PROJECT (RDS)



#### NOTICE

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

#### AVIS

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

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C1.0 ANNEX: DATA ITEM DESCRIPTION

### C1.1 DID Item List

Corresponding CDRL & DID #	Title
RDS-PM-001	Master Project Schedule
RDS-PM-002	Kick-Off Meeting Agenda
RDS-PM-003	Kick-Off Meeting Minutes
RDS-ILS-101	Maintenance Plan
RDS-ILS-102	Logistical Breakdown Structure (LBS)
RDS-ILS-103	Configuration Status Account Report (CSAR)
RDS-ILS-104	Serial Number Registry (SNR)
RDS-ILS-105	Safety Data Sheets (SDS)
RDS-ILS-106	Equipment Identification Plate Drawings
RDS-ILS-107	Marking Data for Storage and Shipment
RDS-ILS-108	Packaging Data
RDS-ILS-109	Provisioning Parts Breakdown / Recommended Spare Parts List
RDS-ILS-110	Supplementary Provisioning Technical Documentation (SPTD)
RDS-ILS-111	Material Change Notice (MCN)
RDS-ILS-112	Provisioning Drawings & Associated Lists
RDS-ILS-113	Operators Manual (Op Man)
RDS-ILS-114	First Line Maintenance Manual
RDS-ILS-115	Quick Start Guide
RDS-ILS-116	RDS Case Contents
RDS-ILS-117	Training Package
RDS-ILS-118	Equipment Environmental Assessment
RDS-ILS-119	Demilitarization Instructions

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C1.2 DID Table Definitions

The following section defines the various blocks of information found on the Data Item Description (DID) forms:

### BLOCK 1 – TITLE

The title of the data item for the DID.

### BLOCK 2 - IDENTIFICATION NUMBER

The Data Item Description (DID) number, consisting of a sequential three-digit number and prefixed with an abbreviation code, to uniquely identify the DID. Note that the 001-099 series is reserved to Project Management (PM) DIDs, and the 101-199 series is reserved to Integrated Logistics Support (ILS) DIDs. The abbreviation codes used for the prefix are:

“PM” for Project Management

“ILS” for Integrated Logistics Support

### BLOCK 3 - DESCRIPTION

Provides a general description of the data content requirements.

### BLOCK 4 – RELATED DOCUMENT(S)

Provides a listing of the related documents and specifications associated with and required to produce this DID.

### BLOCK 5 - CONTRACT REFERENCE

The specific paragraph numbers from the Contract Statement of Work and CDRL to assist in identifying the work effort associated with the data item.

### BLOCK 6 - PREPARATION INSTRUCTIONS

Provides the preparation instructions for the content and format requirements for the DID.

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.0 DID LIST

### C2.1 DID – Master Project Schedule (MPS)

DATA ITEM DESCRIPTION	
1. TITLE <b>Master Project Schedule (MPS)</b>	2. IDENTIFICATION NUMBER DID RDS-PM-001
3. DESCRIPTION The MPS provides the DND Technical Authority (TA) with visibility of the Contractor's planned activities and accomplished activities to date, at a level of detail that is indicative of overall performance. The MPS is used to monitor schedule performance. It constitutes the principal framework for the planning, control of scheduled work and formal reporting of schedule status for the Contract.	
4. RELATED DOCUMENTS <ul style="list-style-type: none"> <li>All</li> </ul>	5. CONTRACT REFERENCE <b>SOW: 3.2</b> <b>CDRL: B2.1</b> Error! Reference source not found.
6. PREPARATION INSTRUCTIONS 6.1. <b>FORMAT</b> 6.1.1. The MPS must be prepared and submitted using Microsoft Project. 6.1.2. The MPS must be version controlled. 6.2. <b>CONTENT</b> 6.2.1. The MPS must include all contracted activities, deliverables and milestones. 6.2.2. The MPS must detail the sequencing, activity duration, milestones and all work breakdown activities which occur for the objectives and requirements of the contract to be achieved. 6.2.3. The MPS must include a detailed legend depicting the meaning of all symbols, abbreviations and colours utilized. 6.2.4. The MPS must include a listing of constraints and assumptions used in order to develop the activity duration, activity dependencies and associated network logic. 6.2.5. The MPS must be prepared in such a way as to allow for easy extraction, either by a one-stage filter of sub schedules such as System Engineering, ILS, and Verification or by the use of Master and Subproject files. When Master and Subproject files are used, schedule information must not be duplicated between the Master and Subproject. 6.2.6. The MPS must show a time-phased sequence of activities and events, and their relationship to the Work Breakdown Activities, to include as a minimum: <ul style="list-style-type: none"> <li>a. The sequence, duration and completion dates of activities and deliverable items;</li> <li>b. Critical Path(s);</li> <li>c. Program tasks down to the work package level;</li> <li>d. Associated project milestones (both contractual and otherwise);</li> <li>e. Delivery of associated documentation for review, approval and final delivery; and</li> <li>f. Projected dates for any major project accomplishments not already covered as milestones.</li> </ul> 6.2.7. The MPS must also include the associated network diagram (activity-on-node) showing network logic, mandatory, discretionary and external activity dependencies. 6.2.8. The MPS updates should: <ul style="list-style-type: none"> <li>a. Clearly indicate the "as of date" both in written form and graphically on any charts (Gantt etc.);</li> </ul>	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

- b. Clearly indicate progress in relation to the baseline schedule. Progress must show actual start and finish as well as percentage complete for activities in process; and
- c. Clearly identify changes to the baseline activity (also applicable to new and deleted activities).

## C2.2 DID – Kick-Off Meeting Agenda

DATA ITEM DESCRIPTION	
1. TITLE <b>Kick-Off Meeting Agenda</b>	2. IDENTIFICATION NUMBER DID RDS-PM-002
3. DESCRIPTION The Kick-Off Meeting Agenda contains the <u>venue information</u> and identifies the <u>discussion items</u> to be covered at meetings.	
4. RELATED DOCUMENTS •	5. CONTRACT REFERENCE <b>SOW: 4.4</b> <b>CDRL: B2.2</b> Error! Reference source not found.
6. PREPARATION INSTRUCTIONS 6.1. <b>CONTENT</b> 6.1.1. The Kick-Off Meeting Agenda must set forth the venue, identify all requirements and list the discussion items to be covered at the meeting. 6.1.2. Venue. The Kick-Off Meeting Agenda must address the venue as follows: 6.1.2.1. Meeting Identification Number; 6.1.2.2. Purpose; 6.1.2.3. Date, time and location; and 6.1.2.4. Attendees. 6.1.3. Discussion items. The Kick-Off Meeting Agenda must address the discussion items through the following sections: 6.1.3.1. Opening Remarks; 6.1.3.2. Schedule; 6.1.3.3. ILS deliverables; 6.1.3.4. Risks; 6.1.3.5. Agenda Review; 6.1.3.6. Opened Discussion Items; and 6.1.3.7. Closing Remarks. 6.2. <b>SOFT COPY FORMAT</b> 6.2.1. The Kick-Off Meeting Agenda must be submitted as a MS Word file type.	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

6.2.2. The Kick-Off Meeting Agenda MS Word document must be submitted via email (submission size not to exceed 7MB) as follows:

6.2.2.1. To Field: Addressee, as identified in the contract.

6.2.2.2. Subject Field: RDS-PM-002 – Kick-Off Meeting Agenda – [Rev #] – [Date of Issue]

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

### C2.3 DID – Kick-Off Meeting Minutes

DATA ITEM DESCRIPTION	
1. TITLE <b>Kick-Off Meeting Minutes</b>	2. IDENTIFICATION NUMBER DID RDS-PM-003
3. DESCRIPTION The Kick-Off Meeting Minutes contains the detailed records of proceedings, discussions, decisions and action items from meetings.	
4. RELATED DOCUMENTS <ul style="list-style-type: none"> <li>Kick-off Meeting Agenda</li> <li>All documents discussed at the Kick-Off Meeting</li> </ul>	5. CONTRACT REFERENCE SOW: <b>4.4</b> CDRL: <b>B2.3</b>
6. PREPARATION INSTRUCTIONS	
6.1. <b>CONTENT</b> <p>6.1.1. The Kick-Off Meeting Minutes must contain the detailed records of proceedings, discussions, decisions and action items from the meeting and be presented through the following sections:</p> <p>6.1.1.1. General – consisting of meeting identification number, purpose, date, time and location;</p> <p>6.1.1.2. Attendees, consisting of the organization each person represents, and the identification of the Chairperson(s);</p> <p>6.1.1.3. Opening Remarks;</p> <p>6.1.1.4. <b>Action Item Report</b> - used to monitor issues, assign responsibility, direct action and track status, history, and progress, and must consisting of:</p> <p>6.1.1.4.1. Item #; date initiated; required action; assigned actionee; target completion date; cross-reference to all related action items.</p> <p>6.1.1.4.2. Action Item Report must be <b>updated</b> with each meeting and must consisting of:</p> <p>6.1.1.4.2.1. Action Item current status and the actual date completed;</p> <p>6.1.1.5. Next Venue;</p> <p>6.1.1.6. Closing Remarks;</p> 6.2. <b>SOFT COPY FORMAT</b> <p>6.2.1. The Kick-Off Meeting Minutes must be submitted as a PDF file type.</p> <p>6.2.2. The Kick-Off Meeting Minutes PDF must be submitted via email (submission size not to exceed 7MB) as follows:</p> <p>6.2.2.1. To Field: As per the related CDRL section 9.A. Addressee, as identified in the contract.</p> <p>6.2.2.2. Subject Field: RDS-PM-003 – Kick-Off Meeting Minutes – [Rev #] – [Date of Issue]</p>	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.4 DID – Maintenance Plan

DATA ITEM DESCRIPTION	
1. TITLE <b>Maintenance Plan</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-101
3. DESCRIPTION The Maintenance Plan (Maint Plan) describes how the equipment will be supported and maintained by DND. Using maintenance analysis data, the Maintenance Plan provides the rationale for acquiring logistics support resources and forms the basis for provisioning and technical manual development.	
4. RELATED DOCUMENTS	5. CONTRACT REFERENCE <b>SOW: 5.4</b> <b>CDRL: B2.4</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> 6.1.1. The Maint Plan must be prepared and submitted using Microsoft Word to allow DND to review, edit, and manipulate.  6.1.2. The Maint Plan must be version controlled.  6.2. <b>CONTENT</b> . The Maint Plan must include:  <b>Maintenance Plan Number</b> <b>Maintenance Plan Date</b> 1. <b>Equipment Identification</b> Identify the system/equipment for which the Maint Plan is applicable: <ul style="list-style-type: none"> <li>- Item Name</li> <li>- Version or Model Number</li> <li>- Military Type No. (AN/ )</li> <li>- Reference (Manufacturer's Part) No.</li> <li>- CAGE Code</li> </ul> 2. <b>Maintenance Rational</b> <ul style="list-style-type: none"> <li>- Maintenance Plan Rational</li> </ul> 3 <b>Description</b> <ul style="list-style-type: none"> <li>- Line Drawing or Photograph</li> <li>- Brief narrative description of the system/equipment.</li> </ul> 4. <b>Reliability and Maintainability Characteristics</b> Provide for each Maintenance Significant Item: <ul style="list-style-type: none"> <li>- Maintenance Replacement Rate (MRR)</li> <li>- Mean Time To Repair (MTTR)</li> <li>- Repair Cycle Time</li> </ul> 5. <b>Maintenance Tasks</b>	



Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

List the maintenance tasks performed by DND, grouped by level of maintenance (operator, first line) and by category (preventive, corrective). Present the data in the following format:

LCN	TASK IDENTIFICATION	TASK FREQUENCY	MEAN ELAPSED TIME	RESOURCE REQUIREMENTS	MAINTENANCE LEVEL

#### 6. Logistic Resource Requirements

For each required resource (e.g. digital voltmeter, torque wrench, etc.), indicate its usage by completing the following table.

RESOURCE REQUIREMENTS	RECOMMENDED QUANTITY	REQUIRED FOR LCN/ALN	ITEM NAME	MAINTENANCE LEVEL

#### 7. Personnel Requirements

Summarize the personnel requirements by completing the following summary for each military occupation:

OCCUPATION TYPE (Operator, 1 <sup>st</sup> Line)	EQUIPMENT	MAINTENANCE LEVEL	MANHOURS PER YEAR

Note: LCN is the “Line Control Number” and is associated with the item’s location on the PPB.

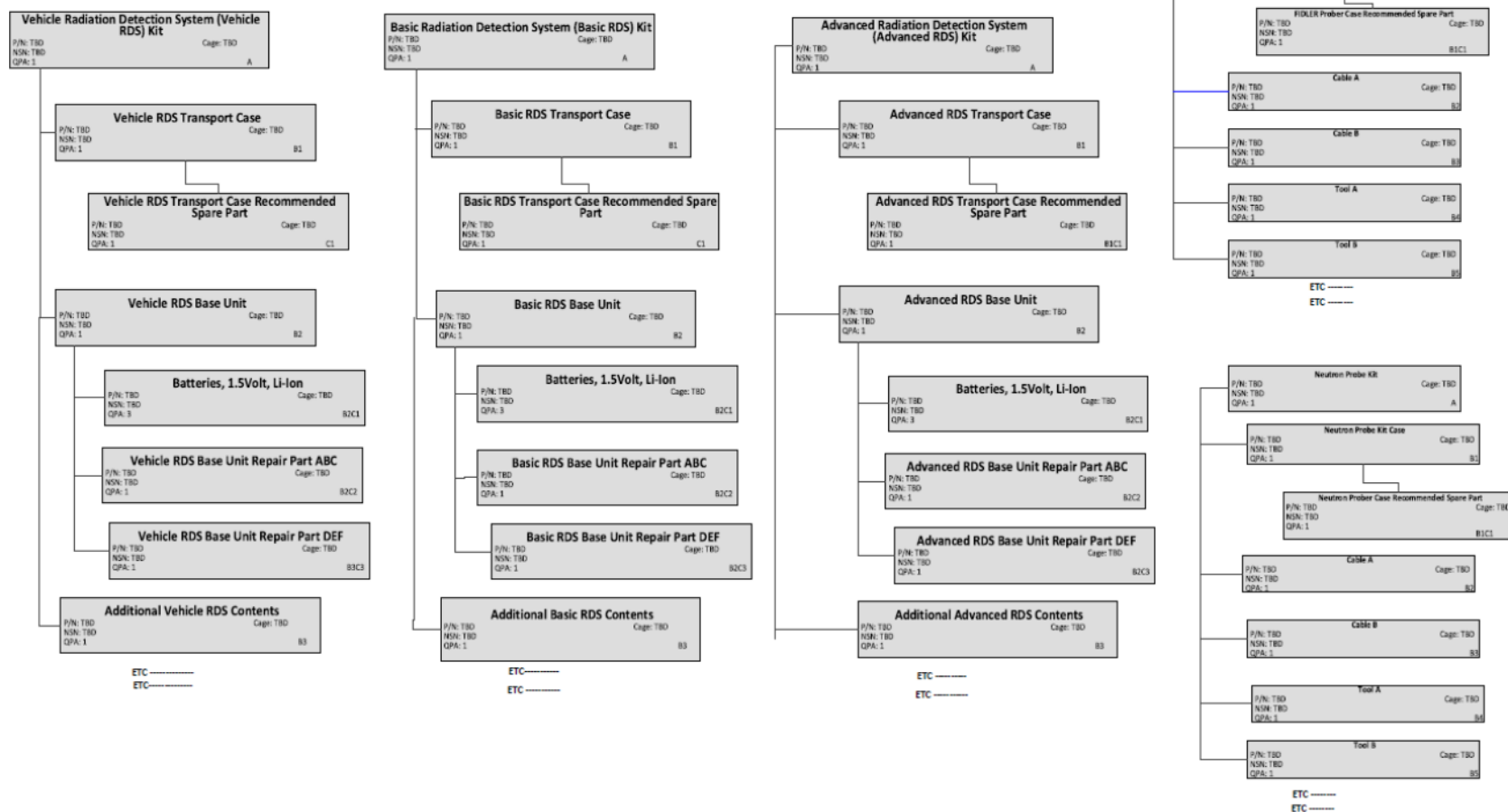
## C2.5 DID – Logistical Breakdown Structure (LBS)

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

DATA ITEM DESCRIPTION	
1. TITLE <b>Logistical Breakdown Structure (LBS)</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-102
3. DESCRIPTION The Logistical Breakdown Structure (LBS) defines the complete system with its Configuration Items (CI) in a top down graphical representation.	
4. RELATED DOCUMENTS • TBD	5. CONTRACT REFERENCE SOW: <b>5.5</b> CDRL: <b>B2.5</b>
6. PREPARATION INSTRUCTIONS  6.1. <b>FORMAT</b> 6.1.1. The LBS must be prepared and submitted in Microsoft Visio format. 6.2. <b>CONTENT</b> 6.2.1. The LBS must define the system including the selected System Configuration Items (CIs) and the selected First-line Spare Parts Maintenance Items as determined in the Maintenance Plan. 6.2.2. The LBS must be a pictorial hierarchical (top-down) representation of the system decomposition down to the First Line part level, including identification of each item selected as a CI. 6.2.3. Each item listed in the LBS must be identified with the following data: a. Item Name; b. NSN (if available); c. Manufacturer's Part Number; d. Quantity (if on the same item); e. CAGE Code; and f. Indenture code. 6.2.4. Identical CIs not on under the same CI must be shown separately and as an indenture under its respective CI. 6.2.5. The LBS must be supported by top level drawings and parts lists required to verify the complete and current configuration of the equipment in accordance with Provisioning Drawings and Associated Lists DID RDS-ILS-111. 6.2.6. The LBS must be version controlled (i.e. date of revision). 6.2.7. The LBS contents and data must be consistent with those contained in the approved Provisioning Drawings & Associated Lists see DID RDS-ILS-111 (where applicable) and Provisioning Parts Breakdown (PPB) see DID RDS-ILS-108. 6.2.8. CIs labels and ID Plates must be shown where applicable.  See Figure 1 (below) for an LBS sample.	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

### Sample Radiation Detection System (RDS) Logistical Breakdown Structure (LBS)



Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

**Figure 1: Sample RDS Logistical Breakdown Structure (LBS)**

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.6 DID – Configuration Status Account Report (CSAR)

DATA ITEM DESCRIPTION	
1. TITLE <b>CSAR</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-201
3. DESCRIPTION The CSAR 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. RELATED DOCUMENTS	5. CONTRACT REFERENCE <b>SOW: 5.5</b> <b>CDRL: B2.6</b>
6. PREPARATION INSTRUCTIONS  6.1. <b>GENERAL FORMAT</b> 6.1.1. The CSAR must be in the Contractor's format.  6.2. <b>CONTENT</b> 6.2.1. The Configuration Status Accounting Report (CSAR) must meet the intent of MIL-STD-3046. The CSAR must detail the information required to effectively manage CIs such as drawings, software, technical publications, etc. and provide visibility of Configuration Management activities, including status of deviations, waivers and engineering changes.  6.2.2. The CSAR must provide as a minimum identification of each CI including software/firmware if applicable, its document/engineering drawing number and applicable revision/version as well as list all new, outstanding and historical Engineering Change Proposals (ECP), Request for Deviations (RFD), Request for Waivers (RFW), Specification Change Notices (SCN), Notice of Revisions (NOR) and Material Change Notices (MCN), including their status, against each CI. Sample CIs include, but are not limited to: <ul style="list-style-type: none"> <li>• Drawings;</li> <li>• Software/firmware;</li> <li>• Technical publications;</li> <li>• Training material;</li> <li>• Specifications;</li> <li>• Certifications;</li> <li>• Warranties;</li> <li>• Identification Number Registry</li> <li>• ECP, RFD, RFW, MCN;</li> <li>• Advisories;</li> <li>• Etc.</li> </ul> 6.2.3. The CSAR must bear version identification (i.e. date or revision).	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

--

## C2.7 DID – Serial Number Registry (SNR)

DATA ITEM DESCRIPTION	
1. TITLE <b>Serial Number Registry (SNR)</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-202
3. DESCRIPTION The RDS <b>Serial Number Registry (SNR)</b> contains information relating to the serialization of system equipment and shipment dates.	
4. RELATED DOCUMENTS	5. CONTRACT REFERENCE <b>SOW: 5.7</b> <b>CDRL: B2.7</b>
6. PREPARATION INSTRUCTIONS  6.1. <b>FORMAT</b> 6.1.1. The SNR must be prepared and submitted in electronic format using Microsoft Word or Microsoft Excel to allow DND to review, edit, and manipulate. 6.1.2. The SNR must be version controlled.  6.2. <b>CONTENT</b> 6.2.1. All RDS SNR must be maintained. 6.2.2. An updated copy of the complete SNR must be submitted with each shipment. 6.2.3. The SNR data must be listed in order of shipment dates with the most current shipment date data listed first, then the previous shipment etc. 6.2.4. The following column cells must be contained in the register (where applicable) as a minimum: a. Item No; b. Contract Number; c. Order Number (if applicable); d. Item Description; e. Item Serial No.; f. Quantity in Shipment; g. Shipment Date ; h. Destination (as shown on shipping documents); i. Contract Line Item Number; j. Invoice No.; k. Item Warranty Expiry Date; and l. Shelf Life 6.2.5. The Contractor may include any other equipment movement information as deemed warranted.	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.8 Safety Data Sheets (SDS)

DATA ITEM DESCRIPTION	
1. TITLE Safety Data Sheets (SDS)	2. IDENTIFICATION NUMBER DID RDS-ILS-105
3. DESCRIPTION The SDS must 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. RELATED DOCUMENTS	5. CONTRACT REFERENCE <b>SOW: 5.8</b> <b>CDRL: 2.8</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>CONTENT</b> 6.2.6. A SDS is an information paper containing data relative to a specific product. The types of information shown are detailed in the Canadian Hazardous Products Act, Controlled Products Regulations. 6.2.7. There is no specific format established by law in Canada, however the SDS must contain information under the following 9 headings. 1.Hazardous Ingredients: - Chemical Abstract Service Registry Number - Ingredient name - Ingredient percentage 2.Preparation Information: - Name and phone number of person, group or party responsible for producing SDS - Date of SDS preparation 3.Product Information: - Manufacturer's name, address and emergency phone number - Supplier identifier, address and emergency phone number (if not the same as the manufacturer) - Product identifier - Product use data 4.Physical Data: - Physical state (gas, liquid, solid) - Appearance and odour - Specific gravity, vapour density - Evaporation rate - Boiling point - Freezing point - pH - Coefficient of water/oil distribution. 5.Fire or Explosion Hazard: - Conditions of flammability	



Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

- Means of Extinction
- Flash point and method of determination
- Upper and lower explosion limits
- Autoignition temperature
- Hazardous combustion products
- Explosion data: Sensitivity to static discharge and mechanical impact.

6.Reactivity Data:

- Conditions under which the product is chemically unstable
- Name of substance or class of substance of which the product is incompatible
- Conditions of reactivity
- Hazardous decomposition products

7.Toxicological Properties:

- Route of entry: Skin contact, skin absorption, eye contact, inhalation and ingestion
- Effects of acute and chronic exposure to product
- Exposure limits (Threshold Limit Values)
- Irritancy and sensitization of product
- Carcinogenicity, Teratogenicity and Mutagenicity of product
- Reproductive toxicity
- Name of toxicologically synergistic products

8.Preventative Measures:

- Personal protective equipment to be used
- Specific engineering controls to be used
- Procedures to be followed in case of leak or spill
- Waste disposal
- Handling procedures and equipment
- Storage requirements
- Transportation information

9.First Aid Measures:

- Specific first aid measures Subject to electrostatic discharge;

6.2. **GENERAL FORMAT**

6.2.1. The SDS must be in the Contractors format and as further described herein.

The SDS must be bilingual English/French.

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.9 DID – Equipment Identification Plate Drawings

DATA ITEM DESCRIPTION	
1. TITLE <b>Equipment Identification (ID) Plate Drawings</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-106
3. DESCRIPTION The Equipment Identification Plate Drawings provides the information required to obtain design approval prior to the production of Equipment Identification plates.	
4. RELATED DOCUMENTS D-02-002-001/SG-001	5. CONTRACT REFERENCE <b>SOW: 5.9</b> <b>CDRL: B2.9</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> 6.1.1. The proposed Equipment Identification Plate Drawings must be in the Contractor's format and submitted as engineering drawings, and in electronic format, as described in DID-RDS-ILS-111: Provisioning Drawings and Associated Parts List. 6.2. <b>CONTENT</b> 6.1.2. The Equipment Identification Plate drawings must be prepared in accordance with D-02-002-001/SG-001, Identification Marking of Canadian Military Property. 6.1.3. The Equipment Identification Plate Data must, as a minimum, contain the following information: a. The Item Name in both Canadian English and Canadian French* including Manufacturer's or Type Number, as applicable; b. NSN; c. Serial Number (if applicable); d. CAGE Code; e. Manufacturer's Part Number; f. Contract Number; g. Special Characteristics, if applicable e.g. 208V 3 Phase; and h. DND CANADA MDN. 6.1.4. Drawings of identification plates must include the following data: a. Proposed marking; b. Marking arrangements; c. Type and size of characters; d. Colour scheme; e. Material and finish of plate; f. Size and thickness of plate; g. Method of affixing; and h. Protective coating (if used). 6.1.5. <b>Note:</b> The Item Name must be both the Canadian English and Canadian French names assigned to the item in the LBS.	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.10 DID – Marking Data for Storage and Shipment

DATA ITEM DESCRIPTION	
1. TITLE <b>Marking Data For Storage and Shipment</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-107
3. DESCRIPTION The Marking Data For Storage and Shipment provides detailed information required to provide visibility of all system and spare parts shipping labels.	
4. RELATED DOCUMENTS D-LM-008-002/SF-001	5. CONTRACT REFERENCE <b>SOW: 5.10</b> <b>CDRL: B2.10</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> 6.1.1. The Marking data must be prepared and submitted in electronic format using Microsoft Word to allow DND to review, edit, and manipulate. 6.1.2. The Marking data must be in the Contractor's format and as further described herein. 6.1.3. The Marking Data review document must be version controlled. 6.2. <b>CONTENT</b> 6.1.4. Marking Data for Storage and Shipment must be in accordance with D-LM-008-002/SF-001 Specification for Marking for Storage and Shipment and as further described herein. 6.1.5. The following information must appear on all shipping containers and palletized unit loads: a. Manufacture's Name; b. Part Number; c. NSN; d. Nomenclature; e. Quantity/Unit of Issue; f. Date of manufacture; g. Date of repair or overhaul; h. Drawing number; i. Batch/ lot number; j. Protection and Date Marking; k. Contract Serial Number; l. Special Markings; and m. Shelf Life.	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.11 DID – Packaging Data

DATA ITEM DESCRIPTION	
1. TITLE Packaging Data	2. IDENTIFICATION NUMBER DID RDS-ILS-108
3. DESCRIPTION The Packaging Data identifies packaging requirements for all items delivered as part of the Contract (including spares) that are to be shipped to or stored at DND facilities.	
4. RELATED DOCUMENTS	5. CONTRACT REFERENCE <b>SOW: 5.11</b> <b>CDRL: B2.11</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> 6.1.1. The Packaging Data must be in the Contractor's format using MS Word and as further described herein.  6.2. <b>CONTENT</b> 6.2.1. The Packaging Data must identify packaging requirements in accordance with D-LM-008-036/SF-000, Minimum Requirements for Manufacturer's Standard Pack, for all items delivered as part of the Contract that are to be shipped to or stored at DND facilities. The Packaging Data must include the following for transportation packaging, Storage Packaging and Stowage Packaging: a. Item Identification: - Item Name; - Reference (Manufacturer's Part) Number; - NSCM/CAGE Code; - NSN (if assigned); - Quantity; and - Shelf Life (including date of manufacture and expiration date). b. Packaging Data: - Unit Pack Size (length, width, depth); - Unit Pack Weight; - Packing Code (Level of Protection, A, B or C, in accordance with Section 3.1 of D-LM-008-011/SF-001); - Hazardous Code (Regulated/Non-regulated); - Special Packaging Instructions; and - Packaging Materials and method. 6.2.2. To reduce the need for redundant data, similar items may be grouped with the same packaging data applying to the group. 6.2.3. All units of measures must be metric, i.e. length in meters, weight in kilograms, etc.	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.12 DID – Provisioning Parts Breakdown/Recommended Spare Parts List

DATA ITEM DESCRIPTION	
1. TITLE <b>Provisioning Parts Breakdown (PPB)/Recommended Spare Parts List (RSPL)</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-109
3. DESCRIPTION The Provisioning Parts Breakdown (PPB)/Recommended Spare Parts List (RSPL) provides the data needed by DND to identify, catalogue, calculate and procure the range and depth of repairable and consumable spares needed by each line of maintenance.	
4. RELATED DOCUMENTS	5. CONTRACT REFERENCE <b>SOW: 5.12</b> <b>CDRL: B2.12</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> 6.1.1. The PPB/RSPL must be prepared and provided electronically using Microsoft Excel (see D-01-100-214/SF-000 for column definitions and table below for column organization) to allow DND to review, edit, and manipulate. 6.2. <b>CONTENT</b> 6.1.2. The PPB/RSPL must identify all Line Replaceable Unit (LRU) spare parts and consumable items required for the CAF to operate and support the RDS. 6.1.3. The PPB/RSPL for RDS must contain the data elements specified in Figure 2 below – Provisioning Documentation Data Elements, for each item considered for provisioning. 6.1.4. PPB/RSPL must include all spare parts and consumables as they are identified. 6.1.5. The PPB must provide a top down breakdown of the system equipment in the configuration in which it is being procured and in accordance with the Logistical Breakdown Structure (LBS) described in DID RDS-ILS-102. 6.1.6. The PPB must be accompanied by copies of all top level drawings and Parts Lists that are required to verify the complete and current configuration of the equipment. 6.1.7. The RSPL must list First Line spares deemed necessary to maintain the system equipment and its associated support equipment for a period of 24 months exclusive of any warranty period. 6.1.8. The PPB/RSPL also identifies repairable items as well as their respective MTBF data so that sparing analysis can be performed 6.1.9. The PPB/RSPL must list all equipment (e.g. Base Units. Probes, Cables, cases, et cetera.) in the proposed system, and their respective First Line replaceable spare parts (e.g. screws, sensors, track, lens cups etc.) required to maintain the equipment as described in the Maintenance and Support Concept. 6.1.10. The PPB/RSPL must list recommended spares required to maintain the equipment (RDS and support equipment) for a 24 month period assuming the combined usage rate of 1000 hrs per year per RDS (for a total of 400 systems x 1000 hrs = 400,000 operating hrs per year). 6.1.11. The attached sample PPB/RSPL gives spreadsheet format and a sample equipment breakdown and their respective indenture codes as 1, 2, etc. (based upon the LBS). Indenture codes C (level 3) and below must represent all RSD and support equipment 1st Line maintenance spare parts.	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

6.1.12.	The table must be completed by the Contractor by providing the required data as identified at the top of the spreadsheet.
6.1.13.	Data for indenture levels 3 and below will be identified and listed for each of the RDS and support equipment. Sample inputs have been inserted for some of the data fields for example purposes only and may or may not be applicable to the specific piece of equipment.
6.1.14.	Each PPB/RSPL submission bears version identification (i.e. date or version).
6.1.15.	PPB/RSPL contents and data must be consistent with those contained in the approved Provisioning Drawings & Associated Lists see DID RDS-ILS-109 (where applicable), and Logistical Breakdown Structure (LBS) see DID RDS-ILS-102.
6.1.16.	Abbreviations used in the Provisioning Documentation table are as follows: OEM: Original Equipment Manufacturer; NSN: NATO Stock Number; Qty/Assy: Quantity per Assembly; UOI: Unit of Issue; PLT: Procurement Lead Time (Long Lead Time Items); REP: Repairability: [Repairable R, Non-Repairable (NR)]; DMC: Demilitarization Code; MTBF: Mean Time Between Failure; and NA: Not Applicable.
6.2.1.	<b>NOTE:</b> The Indenture Code is a code which illustrates a lateral and descending “family tree” relationship of each line item to and within the system or end item and its discrete components (units), assemblies and subassemblies, and subassemblies beginning with “A” for the system, “B” for the system components, “C” for assemblies, “D” for subassemblies, etc.
6.2.2.	<b>NOTE:</b> PPB/RSPL contents, structure, indenture and data must match that shown in the Logistical Breakdown Structure (LBS) described in DID RDS-ILS-102.

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

**Notes:**

- 1 This table must be completed in accordance with D-01-100-214/SF-000
- 2 Item names and contents MUST match those shown in the LBS, drawings and other project documentation.

#	Id. Code	Item Name	Applicable Drawing Title	Supplier Part Number	OEM Part Number (if different from Supplier)	Cage Code	NSN	Qty per Assy	UoI	Std Unit Price \$CDN	PLT (days)	Recomm. Buy Qty For Total Usage Rate of 1,000 hrs/yr	Recomm Total QTY Spares for 2 Years	Total Cost \$CDN	REP	DMC	Shelf Life	MTBF (hrs)	Contains Hazardous Material (Yes/No)
001	A	RDS																	
002	B	Transit Case																	
003	C	Lid Seal																	
004	C	Handles																	
005	D	Screws																	
006	B	Alpha/Beta Probe																	
007	B	Mylar Windows																	
008	B	Gasket																	
009	B	Power Cable																	
010	B	Comm. Cable																	
011	B	Additional																	

**Figure 2: Sample RDS Provisioning Parts Breakdown (PPB)/Recommended Spare Parts List (RSPL)**



Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.13 DID – Supplementary Provisioning Technical Documentation (SPTD)

DATA ITEM DESCRIPTION	
1. TITLE <b>Supplementary Provisioning Technical Documentation (SPTD)</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-110
3. DESCRIPTION  The SPTD provides the information required to uniquely identify, for cataloguing purposes, all Configuration Items (CI) and DND Spare Parts and Consumable Items within the scope of this Contract that are not already in the Canadian Government Catalogue of Materiel (CGCM).	
4. RELATED DOCUMENTS	5. CONTRACT REFERENCE <b>SOW: 5.13</b> <b>CDRL: B2.13</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> 6.1.1. The SPTD must be prepared and submitted in electronic format using Microsoft Office to allow DND to review, edit, and manipulate. 6.2. <b>CONTENT</b> 6.1.2. The SPTD must be prepared in accordance with the current issue of D-01-100-214/SF-000, Preparation of Provisioning Documentation, for content purposes. The SPTD must provide the following data to clearly define each CI for cataloguing: a. Item Name, Version or Model Number; b. Manufacturer part number; c. Manufacturer CAGE Code; d. Alternate part number, with applicable CAGE Code; e. NSN, if assigned by another country; f. Unit of Issue; g. Item drawing or illustration; h. Technical specifications, including relevant standards; i. Physical characteristics, such as dimensions, tolerances, materials, mandatory processes, surface finish, protective coating; j. Electrical characteristics; k. Performance data, including the item's environmental and operating conditions; l. Item shelf life and associated information such as storage conditions/restrictions, packaging, etc.; m. Disposal procedures and restrictions; and n. Commercial catalogue data. 6.1.3. The SPTD must identify any proprietary data or restrictions imposed on the release of its technical data to government entities in Canada or abroad.	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.14 DID – Material Change Notice

DATA ITEM DESCRIPTION																																																																										
1. TITLE <b>Material Change Notice (MCN)</b>		2. IDENTIFICATION NUMBER DID RDS-ILS-111																																																																								
3. DESCRIPTION The MCN provides the information required whenever changes to provisioning documentation occurs, including anticipated obsolescence issues.																																																																										
4. RELATED DOCUMENTS		5. CONTRACT REFERENCE <b>SOW: 5.14</b> <b>CDRL: B2.14</b>																																																																								
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> 6.1.4. A MCN must be prepared in accordance with D-01-100-215/SF-000, Preparation of Material Change Notice, to identify changes to parts or assemblies (down to the lowest replaceable part) or technical data using Microsoft Word or Microsoft Excel. 6.2. <b>CONTENT</b> 6.1.5. The MCN must include the information shown below. 6.1.6. The MCN must substantiate the change, describe any change in the performance parameters or tolerances of affected parts or assemblies, and recommend a course of action for DND.  <table border="0"> <tr> <td>MANAGEMENT DATA</td> <td colspan="2">ACTION REQUIRED (Check one only)</td> </tr> <tr> <td>Contractor</td> <td colspan="2"><input type="checkbox"/> Delete existing item without replacement</td> </tr> <tr> <td>Equipment Name</td> <td colspan="2"><input type="checkbox"/> Add new item</td> </tr> <tr> <td>Contract Number</td> <td colspan="2"><input type="checkbox"/> Replace existing item with new item</td> </tr> <tr> <td>MCN Sequence Number</td> <td colspan="2"><input type="checkbox"/> Amend existing item</td> </tr> <tr> <td>Submitted By</td> <td colspan="2">Approved/Rejected (DND use only) Change Authority</td> </tr> </table> <table border="0"> <tr> <td>DATA FIELD CHANGED</td> <td>EXISTING DATA</td> <td>NEW DATA</td> </tr> <tr><td>- Item Number (unique sequence no.)</td><td>_____</td><td>_____</td></tr> <tr><td>- Indenture Code</td><td>_____</td><td>_____</td></tr> <tr><td>- Item Name</td><td>_____</td><td>_____</td></tr> <tr><td>- Reference (Manufacturer's Part) No.</td><td>_____</td><td>_____</td></tr> <tr><td>- CAGE Code</td><td>_____</td><td>_____</td></tr> <tr><td>- OEM's Part Number (if assigned)</td><td>_____</td><td>_____</td></tr> <tr><td>- NATO Stock Number (if assigned)</td><td>_____</td><td>_____</td></tr> <tr><td>- Quantity Per Assembly</td><td>_____</td><td>_____</td></tr> <tr><td>- Standard Unit Price</td><td>_____</td><td>_____</td></tr> <tr><td>- Unit of Issue (UOI)</td><td>_____</td><td>_____</td></tr> <tr><td>- Unit of Measure</td><td>_____</td><td>_____</td></tr> <tr><td>- Government Supplied Material (GSM)</td><td>_____</td><td>_____</td></tr> <tr><td>- Procurement Lead Time (PLT)</td><td>_____</td><td>_____</td></tr> <tr><td>- Reference Designation</td><td>_____</td><td>_____</td></tr> <tr><td>- Shelf Life</td><td>_____</td><td>_____</td></tr> <tr><td>- Usage Rate</td><td>_____</td><td>_____</td></tr> <tr><td>- Recommended Buy Quantity</td><td>_____</td><td>_____</td></tr> </table>			MANAGEMENT DATA	ACTION REQUIRED (Check one only)		Contractor	<input type="checkbox"/> Delete existing item without replacement		Equipment Name	<input type="checkbox"/> Add new item		Contract Number	<input type="checkbox"/> Replace existing item with new item		MCN Sequence Number	<input type="checkbox"/> Amend existing item		Submitted By	Approved/Rejected (DND use only) Change Authority		DATA FIELD CHANGED	EXISTING DATA	NEW DATA	- Item Number (unique sequence no.)	_____	_____	- Indenture Code	_____	_____	- Item Name	_____	_____	- Reference (Manufacturer's Part) No.	_____	_____	- CAGE Code	_____	_____	- OEM's Part Number (if assigned)	_____	_____	- NATO Stock Number (if assigned)	_____	_____	- Quantity Per Assembly	_____	_____	- Standard Unit Price	_____	_____	- Unit of Issue (UOI)	_____	_____	- Unit of Measure	_____	_____	- Government Supplied Material (GSM)	_____	_____	- Procurement Lead Time (PLT)	_____	_____	- Reference Designation	_____	_____	- Shelf Life	_____	_____	- Usage Rate	_____	_____	- Recommended Buy Quantity	_____	_____
MANAGEMENT DATA	ACTION REQUIRED (Check one only)																																																																									
Contractor	<input type="checkbox"/> Delete existing item without replacement																																																																									
Equipment Name	<input type="checkbox"/> Add new item																																																																									
Contract Number	<input type="checkbox"/> Replace existing item with new item																																																																									
MCN Sequence Number	<input type="checkbox"/> Amend existing item																																																																									
Submitted By	Approved/Rejected (DND use only) Change Authority																																																																									
DATA FIELD CHANGED	EXISTING DATA	NEW DATA																																																																								
- Item Number (unique sequence no.)	_____	_____																																																																								
- Indenture Code	_____	_____																																																																								
- Item Name	_____	_____																																																																								
- Reference (Manufacturer's Part) No.	_____	_____																																																																								
- CAGE Code	_____	_____																																																																								
- OEM's Part Number (if assigned)	_____	_____																																																																								
- NATO Stock Number (if assigned)	_____	_____																																																																								
- Quantity Per Assembly	_____	_____																																																																								
- Standard Unit Price	_____	_____																																																																								
- Unit of Issue (UOI)	_____	_____																																																																								
- Unit of Measure	_____	_____																																																																								
- Government Supplied Material (GSM)	_____	_____																																																																								
- Procurement Lead Time (PLT)	_____	_____																																																																								
- Reference Designation	_____	_____																																																																								
- Shelf Life	_____	_____																																																																								
- Usage Rate	_____	_____																																																																								
- Recommended Buy Quantity	_____	_____																																																																								

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

--

## C2.15 DID – Provisioning Drawings & Associated Lists

DATA ITEM DESCRIPTION	
1. TITLE <b>Provisioning Drawings &amp; Associated Lists</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-112
3. DESCRIPTION Provisioning Drawings & Associated Lists to define the Product Baseline for in-service configuration management and to provide a source of information to support configuration, maintenance and provisioning analysis activities.	
4. RELATED DOCUMENTS  D-01-400-002/SF-000 Drawings, Engineering and Associated Lists. ASME Y14.100 Engineering Drawing Practices ASME Y14.24 Types and Applications of Engineering Drawings ASME Y14.34 Associated Lists ASTM SI 10 American National Standard for Metric Practice	5. CONTRACT REFERENCE <b>SOW: 5.15</b> <b>CDRL: B2.15</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> The Provisioning Drawings & Associated Lists, including Reference Documents, must be provided in accordance with the requirements set out and in the final form specified in Section 6.2.	
<p><b>1. Applicable Documents:</b></p> <p><b>2. New and Existing Drawings</b> When required, the contractor must prepare and deliver Engineering Drawings and Associated Lists which meet the design disclosure and legibility requirements of the specified level as defined by the Canadian Forces Engineering Drawings and Associated Lists specification D-01-400-002/SF-000. Existing Contractor Drawings being provided as part of the Engineering Drawing Package must meet the requirements of paragraph 3.2 of D-01-400-002/SF-000. In the event that Contractor Drawings do not meet the specified requirements the contractor must rework the drawings to ensure that the requirements are met.</p> <p><b>3. Drawing Levels:</b> <u>The Contractor must deliver top-Level 2 (Production Prototype and Limited Production) drawings in order to support the PPB (DID RDS-ILS-110) contents and the LBS (DID RDS-ILS-102).</u></p>	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## 5. Drawing Practices

Drawing practices must be in accordance with ASME Y14.100

## 6. Data Lists

Data Lists complete with Cover Sheets are required and must be prepared in accordance with ASME Y14.34M and supplied along with the Engineering Drawings. Data Lists must be prepared at the item level of assembly (and/or end item) declared for future production by the Technical Authority. Cover sheets must be prepared as sheet one (1) of the Data List. Cover Sheets must include the Contract Number and a note which details the **Intellectual Property Rights** that apply to the data identified on the Data List (see para 12). 5

## 7. Reference Documents

Reference documents called up on the Engineering Drawings (excepting those, which are government, society and readily available industrial specifications or standards) must be included as part of the Engineering Drawings and Associated Lists.

## 8. Technical Data Action Notice (TDAN)

A TDAN must be prepared listing all Drawings and Associated Lists delivered as a result of the contract. A sample TDAN can be provided upon request.

## 9. Drawing System

The mono-detail drawing system must be used.

## 10. Drawing Types

The contractor must provide the necessary types of drawings that will satisfy the sophistication of the specified drawing level. Drawing types selected must be in accordance with ASME Y14.24. Drawing type selection must be subject to the approval of both the DND Technical Authority and DSCO 4-6.

## 11. Control Drawings

Control Drawings as defined in ASME Y14.24 must be prepared for commercial items approved for use in the design, which are not defined by Government or nationally recognized industrial specifications and standards.

## 12. Family-Tree Drawing(s)

When required, the contractor must prepare a Family-Tree Drawing(s) of the complete configuration of the Engineering Drawing Package and it must be subject to the approval of both the DND Technical Authority and DSCO 4-6.

## 13. Units of Measure

The DND Technical Authority will determine the units of measure (metric or Imperial). Metric drawings must comply with ASTM SI 10 (American National Standard for Metric Practice).

## 14. Controlled Goods Identification

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

All drawings and Associated Lists must be marked with the appropriate Controlled Goods Identification. These e-stamps can be obtained from DSCO 4-6. The DND Technical Authority will determine the Controlled Good status of the drawings and lists.

#### 15. **Integration**

The prime Contractor must be fully responsible for the integration of new and existing drawings to form a complete Engineering Drawing Package.

#### 16. **Data Rights**

The Government of Canada must have rights in data as detailed in the Terms and Conditions of the contract.

#### 17. **Data Rights Legend**

The Contractor must mark all Foreground & Background Engineering Drawings & Associated Lists delivered under this contract with a complete notation as detailed at “**Intellectual Property Rights**” and/or “**Data Rights**” clause(s) of the contract.

#### 18. **Quality Assurance Provisions**

Quality of the Engineering Drawings and Associated Lists delivered on this contract is the responsibility of the contractor and subject to the quality requirements of the contract.

##### **18.1 Acceptance**

Acceptance of the Engineering Drawings, Associated Lists and Reference Documents for technical content requirements will be the responsibility of the DND Technical Authority. Acceptance of the Engineering Drawings, Associated Lists, Reference Documents and Electronic Data Deliverables for format requirements will be DSCO 4-6.

##### **18.2 Interim Deliverables for Acceptance Purposes**

One soft copy of the Engineering Drawings, Associated Lists and Reference Data must be delivered for acceptance purposes. If the package cannot be accepted, for reasons of either technical content or format, it may be necessary to resubmit the soft copy.

#### 19. **Final Deliverables**

Upon acceptance, the Level 3 Engineering Drawings, Associated Lists and Reference Data must be delivered in soft copy form as outlined herein.

##### **19.1 Soft Copy Deliverables**

Soft copy deliverables must include the Engineering Drawings, Associated Lists, Reference Data and the associated Metadata in electronic form.

##### **19.2 Engineering Drawings**

Engineering Drawings must be delivered as a PDF file (Raster) as detailed herein. Multi-sheet drawings must be delivered as one file.

##### **19.3 Associated Lists**

Associated Lists must be delivered as a PDF file or in a format deemed acceptable by the DSCO 4-6.

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

#### **19.4 Reference Documents**

Reference Documents must be delivered as a PDF file or in a format deemed acceptable by the DSCO 4-6.

#### **19.5 TDAN**

The TDAN, complete with contractor's signature, must be delivered, as a PDF file, with the final deliverables.

#### **19.6 Metadata (Capture of Related Information)**

Metadata must be provided for all Engineering Drawing and Associated List deliverables. Metadata records must contain the information shown in Table 1. Metadata must be delivered as a Microsoft Access database shown at Figure 1.

#### **19.7 Database Table**

Each delivered file must have a corresponding database record. All records must be entered into a single Microsoft Access 2010 database table. Fields without corresponding information must remain blank. The Microsoft Access database file must be named with the "*batch no.mdb*".

### **20. File Formats for Raster Data**

Raster image data must be in PDF format.

#### **20.1 Image Size**

Raster images for drawings/associated lists must retain the sheet size of the Master/Native file.

#### **20.2 Image Colour**

Images must be black on white background.

#### **20.3 File Names/Batch Number Allocation**

File names must be made up from the document number by adding a prefix (A for AIR, C for Comm, L for LAND and M for MARITIME). Batch numbers must be requested from DSCO 4-6.

#### **20.4 Media of Delivery**

The final delivery of electronic data can be via CD, shared drive or FTP site and must be subject to the approval of both the DND Technical Authority and DSCO 4-6.20.

### **21. Mail or Courier Delivery**

Deliverables must be forwarded to:  
Department of National Defence  
National Defence Headquarters,  
101 Colonel By Drive,  
Ottawa, ON  
K1A 0K2  
Attention: DSCO 4-6, NPB

### **22. Inquiries or Visits**

DSCO 4-6 Contact Info:  
Email:



Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

DND.DSCO4.ENGINEERINGDRAWINGS-DOCA4.DESSINSDINGENIERIE.MDN@FORCES.GC.CA

Tel: (819) 939-9058

Fax: (819) 994-9561

Address:

Department of National Defence

National Printing Bureau Building

45 Boul. Sacré Coeur

Gatineau, QC

J8X 1C6

Attention: DSCO 4-6

Projet	N001905	ANNEX C_DID
Systeme de detection des rayonnements		

**TABLE 1 INDEX FIELDS**

Order	Field Name	Max Field Length	Field Definition / Description	Example Entry
1	<b>FILENAME</b> <i>(all one word)</i>	12 (8.3)	Name of electronic file - unique filename for uploading in database. Alpha characters must be uppercase.	<b>L9775457-1.PDF</b>
2	<b>BATCHNO</b> <i>(all one word)</i>	8	Batch number - used for uploading files in database. Batch number will be issued by DSCO 4-6. Alpha characters must be uppercase.	<b>LZ001</b>
3	<b>DOCUMENTNO</b> <i>(all one word)</i>	25	This field must contain the document number.	<b>9775457</b>
4	<b>REVISION</b>	3	Letter or number indicating the revision level. If there is no rev, indicate with dash ("-")	<b>B</b>
5	<b>SHEETNO</b> <i>(all one word)</i>	3	Sheet number x to y.	<b>1-5</b>
6	<b>NOOFSHEETS</b> <i>(all one word)</i>	3	Sheet number x to y. Enter the value of y.	<b>5</b>
7	<b>FRAMENO</b> <i>(all one word)</i>	3	This field must be left blank.	
8	<b>NOOFFRAMES</b> <i>(all one word)</i>	3	This field must be left blank.	
9	<b>NSCM</b>	5	This field must contain the NATO Supply Code for Manufacturers (NSCM) of the Owner of the data. (Also known as FSCM, CAGE or NCAGE code.)	<b>35907</b>
10	<b>SIZE</b>	2	This field contains the document size. -For imperial sizes use A, B, C, D, E, F, G,	<b>A2</b>

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

			H, J, K and LE (for legal) -For metric sizes use A4, A3, A2, A1, A0 and B1.	
11	<b>ADDITIONALIDENTIFIER</b> <i>(all one word)</i>	10	This open field must be used when two (2) or more documents have the same document number but are different documents. e.g. Document 12345, Document 12345 DCR 001, then "DCR 001" would be entered in this field. When field is not applicable, leave blank.	<b>DCR 001</b>
12	<b>DATARIGHTS</b> <i>(all one word)</i>	1	The data rights as specified in the contract. "L" for "LIMITED" or "U" for "UNLIMITED"	<b>U</b>
13	<b>DOCUMENTTITLE</b> <i>(all one word)</i>	240	Title of document. (i.e. Drawing title)	<b>BRACKET ASSY</b>
14	<b>TDANNO</b> <i>(all one word)</i>	12	This field must be used to enter the TDAN number assigned for the project.	<b>174471XXX</b>
15	<b>ERN</b>	12	This field must be used for the Equipment Registration Number (ERN).	<b>30-650-000</b>
16	<b>EAC</b>	8	This field must be left blank.	
17	<b>EQUIPMENT</b>	75	Name of the Equipment.	<b>BISON</b>
18	<b>CTAT</b>	1	If the data is "Not Controlled", DM Code "A" must be entered. If the data is "Controlled Goods", DM Code "D" must be entered.	<b>A or D</b>
19	<b>PROJECTNAME</b>	30	This field must be used for "Controlled Goods" data and will be filled in by DSCO 4-6. This field must be left blank.	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		



Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

FILENAME	BATCH NO	DOCUMENT NO	REVISION	SHEET NO	NO OF SHEETS	FRAME NO	NO OF FRAMES	NSCM	SIZE	ADDITIONAL IDENTIFIER	DATA RIGHTS	TDANNO	DOCUMENTTITLE	ERN	EAC	EQUIP	CTAT	PROJECTNAME
LDL-9775457-1.pdf	LZ001	DL-9775457-1	-	1-2	2			35907	A4		U	174471137	BRACKET ASSY				A	
LDL-9775457-1.doc	LZ001	NATDL-9775457-1	-	1-2	2			35907	A4		U	174471137	BRACKET ASSY				A	NATIVE FILE
L9775457.pdf	LZ001	9775457	-	1-2	2			35907	A1		U	174471137	BRACKET ASSY				A	
L9775457-1.dwg	LZ001	NAT9775457	-	1	2			35907	A1		U	174471137	BRACKET ASSY				A	NATIVE FILE
L9775457-2.dwg	LZ001	NAT9775457	-	2	2			35907	A1		U	174471137	BRACKET ASSY				A	NATIVE FILE
L9775458.pdf	LZ001	9775458	-	1	1			35907	A2		U	174471137	BRACKET				A	
L9775458.dwg	LZ001	NAT9775458	-	1	1			35907	A2		U	174471137	BRACKET				A	NATIVE FILE
* L9775457.zip	LZ001	NAT9775457	-	1	1			35907	1		U	174471137	BRACKET ASSY				A	NATIVE FILES

\*Combine 3D CAD native files (Solid Works, Solid Edge, Inventor...) in .zip file using the top level drawing number as the file name.

### File Naming Convention

#### File Name

#### Description

LDL-9775457-1.pdf Data List no DL-9775457-1, Sheet 1 to 2, Rev -  
LDL-9775457-1.doc Data List no DL-9775457-1, Sheet 1 to 2, Rev -  
L9775457.pdf Drawing no 9775457, Sheet 1 to 2, Rev -  
L9775457-1.dwg Drawing no 9775457, Sheet 1 of 2, Rev -  
L9775457-2.dwg Drawing no 9775457, Sheet 2 of 2, Rev -  
L9775458.pdf Drawing no 9775458, Sheet 1 of 1, Rev -  
L9775458.dwg Drawing no 9775458, Sheet 1 of 1, Rev -  
L9775457.zip \*Native CAD Model Files, all files & sheets, Rev -

### Filename Prefixes

A, C, L or M9775457.pdf [(A)ir, (C)omm, (L)and or (M)aritime + 9775457 = File Name]

**FIGURE 1 METADATA EXAMPLE (New Drawings & Associated Lists)**

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		



Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

FILENAME	BATCH NO	DOCUMENT NO	REVISION	SHEET NO	NO OF SHEETS	FRAME NO	NO OF FRAMES	NSCM	SIZE	ADDITIONAL IDENTIFIER	DATA RIGHTS	TDANNO	DOCUMENTTITLE	ERN	EAC	EQUIP	CTAT	PROJECTNAME
LDL-9775457-1-A.pdf	L2001	DL-9775457-1	A	1-2	2			35907	A4		U	174471137	BRACKET ASSY				A	
LDL-9775457-1-A.doc	L2001	NATDL-9775457-1	A	1-2	2			35907	A4		U	174471137	BRACKET ASSY				A	NATIVE FILE
L9775457-A.pdf	L2001	9775457	A	1-2	2			35907	A1		U	174471137	BRACKET ASSY				A	
L9775457-1-A.dwg	L2001	NAT9775457	A	1	2			35907	A1		U	174471137	BRACKET ASSY				A	NATIVE FILE
L9775457-2-A.dwg	L2001	NAT9775457	A	2	2			35907	A1		U	174471137	BRACKET ASSY				A	NATIVE FILE
L9775458-B.pdf	L2001	9775458	B	1	1			35907	A2		U	174471137	BRACKET				A	
L9775458-B.dwg	L2001	NAT9775458	B	1	1			35907	A2		U	174471137	BRACKET				A	NATIVE FILE
* L9775457-A.zip	L2001	NAT9775457	A	1	1			35907	1		U	174471137	BRACKET ASSY				A	NATIVE FILES

\*Combine 3D CAD native files (Solid Works, Solid Edge, Inventor...) in .zip file using the top level drawing number as the file name.

### File Naming Convention

#### **File Name**

#### **Description**

LDL-9775457-1-A.pdf	Data List no DL-9775457-1, Sheet 1 to 2, Rev A
LDL-9775457-1-A.doc	Data List no DL-9775457-1, Sheet 1 to 2, Rev A
L9775457-A.pdf	Drawing no 9775457, Sheet 1 to 2, Rev A
L9775457-1-A.dwg	Drawing no 9775457, Sheet 1 of 2, Rev A
L9775457-2-A.dwg	Drawing no 9775457, Sheet 2 of 2, Rev A
L9775458-B.pdf	Drawing no 9775458, Sheet 1 of 1, Rev B
L9775458-B.dwg	Drawing no 9775458, Sheet 1 of 1, Rev B
L9775457-A.zip	*Native CAD Model Files, all files & sheets, Rev A

### Filename Prefixes

A, C, L or M9775457.pdf [(A)ir, (C)omm, (L)and or (M)aritime + 9775457 = File Name]

**FIGURE 2 METADATA EXAMPLE (Revised Drawings & Associated Lists)**

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.16 DID – Operator’s Manual

DATA ITEM DESCRIPTION	
1. TITLE <b>Operators Manual (Op Man)</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-113
3. DESCRIPTION The Op Man provides detailed information associated with the operation, care, operator maintenance and storage as well as personnel and equipment safety of the RDS.	
4. RELATED DOCUMENTS	5. CONTRACT REFERENCE <b>SOW: 5.16.1</b> <b>CDRL: B2.16</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> The Op Man must be delivered in accordance with one of the following options as selected by the DND ILSM: <ul style="list-style-type: none"> <li>a. Option 1: Existing bilingual Canadian English and Canadian French commercial Op Man in Contractor format; or</li> <li>b. Option 2: Initial submission in existing commercial and foreign government unilingual Canadian English Op Man in conformance with C-01-100-100/AG-005 and final submission in bilingual Canadian English and Canadian French; or</li> <li>c. Option 3: Newly written bilingual Canadian English and Canadian French Op Man prepared in conformance with C-01-100-100/AG-006.</li> </ul> The Op Man must be prepared and submitted in electronic format using Microsoft Word to allow DND to review, edit, and manipulate. The Initial submission must be unilingual Canadian English and the final submission must be bilingual (Canadian English and Canadian French). Two hard covers (front and back) will form part of the Op Man: <ul style="list-style-type: none"> <li>a. The top (title) page of the Op Man must represent the cover (top) page of the Canadian English and Canadian French versions of the Instructions.</li> <li>b. The Canadian English and Canadian French cover sheets must bear the following:</li> <li>c. DND document configuration number (to be provided by DND) on the top outer corner;</li> <li>d. Picture of the applicable equipment;</li> <li>e. Document title;</li> <li>f. System name and nomenclature (if applicable);</li> <li>g. NSN;</li> <li>h. Version Date (date format as yyyy/mm/dd); and</li> <li>i. OPI: DCSEM 5</li> </ul>	



Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

Figures and tables must be placed immediately next to the referring text descriptions.

Figures and tables must be identified by the document section followed by the figure sequence number and the description text.

All photographs must be in colour.

Document page numbering must list the section and page (e.g. 1-1, 2-34)

All “DANGER”, “WARNING” and “CAUTION” text contained in the body of the manual must be summarized at the beginning of the manual.

“DANGER”, “WARNING”, “CAUTION” and “NOTES” headings must be capitalized, in bold, placed in the middle of the page with boxed with lines or dots above and below the label. Applicable text will be placed immediately below the heading.

## 6.2. **CONTENT**

The Op Man must cover all issues associated with the operation, care and maintenance, storage as well as personnel and equipment safety of the RDS. As a minimum, the Op Man must address the following:

- a. Brief description of system contents, insert pictures where possible with a table and itemized listing of all contents cross-referenced with the photo contents. Each itemized item shall then be described at a high level and technical description;
- b. Data summary (e.g. specifications for the system and replaceable assemblies or sub-assemblies (if applicable))
- c. Equipment set-up and mounting procedures;
- d. Description of controls and instruments;
- e. Pre-use testing or inspection;
- f. Operating procedures and equipment specific precautions;
- g. Operator maintenance, cleaning and care, including operator preventive maintenance (including removal and installation of parts);
- h. Consumable replacement;
- i. Basic diagnosis and/or fault finding;
- j. Storage;
- k. Safety, including personnel and equipment;
- l. Hazardous material issues associated with the operation and care of the equipment, including the required procedures for handling and disposing of such materials;
- m. Tools used for Operator maintenance (if any);
- n. Weight and Measures chart;
- o. Any post shutdown actions or precautions (closing down drills);
- p. Operating under unusual conditions;
- q. Emergency Operating Procedures;
- r. Operation of Ancillary Equipment;
- s. Applicable Environmental Health and Safety (EHS) warnings and instructions in direct relation of EHS risks presented in the contents;
- t. Any other information recommended by the Contractor and agreed upon by DND.

The Op Man must be organized in the following manner:

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

The initial front sheets must contain:

- a. Summation of all DANGER text contained in the document;
- b. Summation of all WARNING text contained in the document;
- c. Summation of all CAUTION text contained in the document; and
- d. "Safety Data" table containing a summation of all safety related issues
- e. Table of Contents
- f. List of Figures
- g. List of Tables
- h. How To Use This Manual (general description of the manual organization etc.)
- i. Chapter 1 General Information (equipment name and model numbers, purpose of equipment, manufacturer, warranty information, nomenclature cross reference table (if required), list of abbreviations and picture or figure of the RDS .
- j. Chapter 2 Equipment Description (system description)
- k. General Characteristics (weight, dimensions, size, performance etc.
- l. Description of Kit Contents (insert picture of RDS with a table and itemized listing of all system contents cross-referenced with the photo contents. Each itemized item must then be described at a high level.
- m. Chapter 3 Operating Instructions (Provide operating instructions for the various equipment comprising the RDS. Include tables showing operating modes vis-à-vis applicable equipment settings and remarks. Figures or photos must be included to aid in operation description whenever possible.
- n. Chapter 4 Equipment Set-Up and Interconnection Procedures (detail how equipment is to be assembled/mounted for use for all configurations. Figures or photos must be included to aid in mounting procedure description whenever possible.
- o. Chapter 5 Troubleshooting Procedures
- p. Chapter 6 Operator Maintenance and Cleaning
- q. Removal and Installation of Parts
- r. Preventive maintenance actions and frequency
- s. Appendix A Operator Repair Parts and Special Tools List (include photos of equipment with their associated spare parts including tables with the following column headings: Item No., NSN, Cage Code, Part No., Description and Useable on Code, Quantity)
- t. Index

The cover page of the publication shall indicate which controlled goods classification applies:

- a. [Reviewed/Confirmed Controlled technical data](#)
- b. [Controlled Technical Data Identified as Operations Instructions](#)
- c. [Unreviewed Technical Data](#)
- d. [Reviewed/Confirmed "not" Controlled Technical Data](#)
- e. and apply the appropriate marking ("[Reviewed/Confirmed "not" Controlled Technical Data](#)" shown below) provided by the TA.

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		



#### NOTICE

This documentation has been reviewed by the technical authority and does not contain controlled goods.

#### AVIS

Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées.

The publication shall include the following text in the Foreword:

"DND is granted the irrevocable right to use, copy, reproduce, and amend the Technical Publications provided by [CONTRACTOR].

On accorde au MDN le droit irrévocable d'employer, copier, reproduire, et modifier les publications techniques fournies par [ENTREPRENEUR]."

## C2.17 DID – First Line Maintenance Manual

DATA ITEM DESCRIPTION	
1. TITLE <b>First Line Maintenance Manual (Maint Man)</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-114
3. DESCRIPTION The Maint Man describes all first line maintenance tasks and procedures for all repairable equipment contained in the RDS.	
4. RELATED DOCUMENTS	5. CONTRACT REFERENCE <b>SOW: 5.16.2</b> <b>CDRL: B2.17</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> The Maintenance Instructions must be delivered in accordance with one of the following options as selected by the DND ILSM: <ul style="list-style-type: none"> <li>a. Option 1: Existing bilingual Canadian English and Canadian French commercial Maintenance Instructions in Contractor format; or</li> <li>b. Option 2: Initial submission in existing commercial and foreign government unilingual Canadian English Maintenance Instructions in conformance with C-01-100-100/AG-005 and final submission in bilingual Canadian English and Canadian French; or</li> <li>c. Option 3: Newly written bilingual Canadian English and Canadian French Maintenance Instructions prepared in conformance with C-01-100-100/AG-006.</li> </ul> The Maint Man must be submitted in electronic format using Microsoft Word to allow DND to review, edit, and manipulate.	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

The Initial submission may be unilingual Canadian English and the final submission must be bilingual (Canadian English and Canadian French).

Two hard covers will form part of the Op Man:

All Maint Man photographs must be in color.

The Canadian English and Canadian French cover sheets must bear the following:

- a. DND document configuration number (to be provided by DND) on the top right hand corner;
- b. Picture of the applicable equipment;
- c. Document title;
- d. System name and nomenclature (if applicable);
- e. NSN;
- f. Version Date (date format yyyy/mm/dd); and
- g. OPI: DCSEM 5

All Maint Man sheets must have the DND document configuration number (to be provided by DND) on each page starting with page 1 top outer corner right hand corner and top left corner of page 2.

Figures and tables must be placed immediately following the referring text descriptions.

Figures and tables must be identified by the document section followed by the figure sequence number and the description text.

Document page numbering must list the section and page (e.g. 1-1, 2-34)

Maint Man pages must be size 8.5 inches wide x 11 inches long (21.6 cm x 27.9 cm) except where figures (e.g. diagrams) require more space.

## 6.2. **CONTENT**

The Manual shall describe, in detail, all Preventive and Corrective maintenance tasks to be performed by DND personnel as identified in the Maintenance Plan and procedures for the equipment and its associated tools and test equipment.

The Maint Man must describe the following as a minimum: Incoming test routines; diagnosis of faults, spare parts removal procedures (including exploded view drawings); re-assembly of equipment; desiccation and/or purging procedures; outgoing tests and calibration requirements and procedures.

The Maint Man must identify resources, facilities, spare parts (including quantities), consumables, tools and test equipment, workmanship level, test flow charts and any other technical or procedural details required to properly and successfully complete each task.

The Maint Man must contain a complete parts list down to the replaceable First Line replaceable spare parts level and their associated quantities, and with the required reference to the applicable exploded view drawings, diagrams, pictures or images.

The Maint Man must contain all necessary drawings, diagrams, pictures, images and information in sufficient details and clarity to properly guide the maintainer during the conduct of each maintenance tasks.

The Maint Man must cover all personnel and equipment safety issues associated with the maintenance of the equipment.

The Maint Man must cover all hazardous material issues associated with the maintenance of the equipment, including the required procedures for handling and disposing of such materials.

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

The Maint Man must identify all Intellectual Property information applicable to the equipment and supporting data, if applicable.

“DANGER” headings must be capitalized, in bold, placed in the middle of the page with boxed or dotted outline bars above and below the label. Applicable warning text will be placed immediately below the heading and must be capitalized and bolded.

“WARNING” headings must be capitalized, in bold, placed in the middle of the page with boxed or dotted outline bars above and below the label. Applicable warning text will be placed immediately below the heading and must be capitalized and bolded.

“CAUTION” headings must be capitalized, in bold, placed in the middle of the page with a solid bar on both sides of the label. Applicable caution text will be placed immediately below the heading and must be capitalized and bolded.

“NOTE” headings must be capitalized, bolded placed in the middle of the page. Applicable note text will be normal size, in bold and placed immediately below the heading.

Danger, Warning, Caution and notes must precede the applicable text or action to which they refer.

The Maint Man must be organized in the following manner:

The initial front sheets must contain :

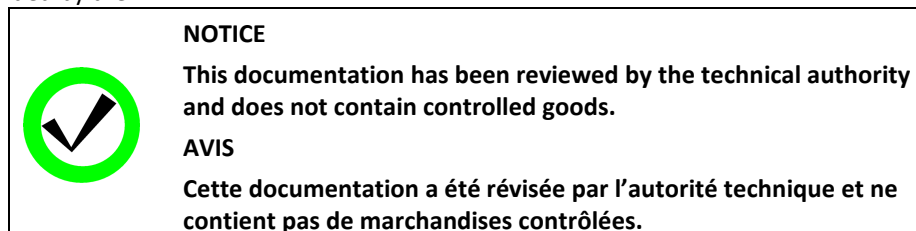
- a. Summation of all DANGER text contained in the document;
- b. Summation of all WARNING text contained in the document;
- c. Summation of all CAUTION text contained in the document; and
- d. “Safety Data” table containing a summation of all safety related issues
- e. Table of Contents
- f. List of Figures
- g. List of Tables
- h. Chapter 1 Introduction
- i. **General** (provide a high level description of the RDS)
- j. Warranty Information
- k. **Equipment Characteristics, Capabilities and Features** (including applicable Dangers, Warnings and Cautions)
- l. **Location and Description of Major Components** (including equipment breakdown figures and diagrams)
- m. **RDS Configuration** (description including a system breakdown diagram)
- n. **Equipment Data** (tabular form if possible)
- o. Mechanical Functions
- p. Optical Functions
- q. Electrical Functions
- r. Chapter 2 First Line Maintenance Instructions
- s. General **apparatus and Tools** (list in tabular form with the following column headings: Item No., National Stock No., Description, Part No., and Quantity)
- t. **Repair Parts** (brief description and reference to Chapter 5 which will contain all repair parts data)
- u. Site and Shelter Requirements
- v. Inspection and Repair Techniques
- w. Service Upon Receipt of Material
- x. **Removal and Installation of Components** (details removal and installation procedures for each first line part (including applicable figures and diagrams). Each line part task **must** have its own procedure. Procedures must be subdivided into two (2) headings, Disassembly and Assembly)
- y. **Tests and Adjustments** (details any test and adjustment required for each piece of equipment to ensure serviceability e.g. desiccation))

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

- z. **Serviceability Check** (describes procedures to be used to verify serviceability of repaired item in tabular form. Table must contain the following columns: Item No., Item to Check/Service, Procedure, Not Fully Mission Capable if, Corrective Action)
- aa. **Troubleshooting** (describes procedures to be used to isolate possible malfunctions of the equipment in tabular form. The table must contain the following columns: Item No., Problem, Probable Cause, Corrective Action)
- bb. **Packing** (special packing instructions if required)
- cc. Preventive maintenance actions and frequency
- dd. Chapter 3 Decontamination
- ee. Equipment
- ff. Procedures
- gg. Chapter 4 Repair Parts and Special Tools List
- hh. **General** Identify figures and tables applicable to each piece of equipment to be repaired. Include the following:
  - ii. Figures of each repairable equipment. The figures must include an itemized list of the main equipment replaceable components with corresponding numbered arrows pointing to the components on the figure
  - jj. Tables listing details of the components. (The tables must contain the following columns: Item No., National Stock No., Cage Code, Part Number, DMC, Description, Quantity)
  - kk. Alphabetical Index

The cover page of the publication shall indicate which controlled goods classification applies:

- a. [Reviewed/Confirmed Controlled technical data](#)
- b. [Controlled Technical Data Identified as Operations Instructions](#)
- c. [Unreviewed Technical Data](#)
- d. [Reviewed/Confirmed "not" Controlled Technical Data](#)
- e. and apply the appropriate marking ("[Reviewed/Confirmed "not" Controlled Technical Data](#)" shown below) provided by the TA.



The publication shall include the following text in the Foreword:

"DND is granted the irrevocable right to use, copy, reproduce, and amend the Technical Publications provided by [CONTRACTOR].

On accorde au MDN le droit irrévocable d'employer, copier, reproduire, et modifier les publications techniques fournies par [ENTREPRENEUR]."

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.18 DID – Quick Start Guide

DATA ITEM DESCRIPTION	
1. TITLE <b>Quick Start Guide</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-115
3. DESCRIPTION The RDS Quick Start Guide is a bilingual (Canadian English/Canadian French) brief, and compact guide in the form of an aide-mémoire to be used after initial training, describing and illustrating the set-up and high level operation of the equipment.	
4. RELATED DOCUMENTS	5. CONTRACT REFERENCE <b>SOW: 5.16.3</b> <b>CDRL: B2.18</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> 6.1.1. The Quick Start Guide must be compact such that it can be stored with the equipment or be attached to the equipment. 6.1.2. The Quick Start Guide must be submitted in electronic format using Microsoft Word to allow DND to review, edit, and manipulate. 6.1.3. Initial submission may be unilingual Canadian English. The Final submission shall be one document with Canadian English and Canadian French texts on the same single page bearing its own DND supplied document configuration number e.g. C-XX-XXX-000/JS-001. 6.1.4. The Quick Start Guide must conform to C-01-100-100/AG-005, Acceptance of Commercial and Foreign Government Publications as Adopted Publications, or if no commercial publication exists C-01-100-100/AG-006 Writing, Format and Production of Technical Publications. 6.1.5. All photographs must be in colour. 6.1.6. The Quick Start Guide must contain information in condensed format. 6.1.7. The Quick Start Guide must be produced on a sturdy waterproof plasticized type white paper product with good strength, tear and soil resistant characteristics capable of withstanding high humidity, dirt and grease. 6.2. <b>CONTENT</b> 6.2.1. The Quick Start Guide must summarize, through text and illustrations, equipment set-up, operations safety and basic servicing. Instructions given in the Quick Start Guide, while presented differently, must be consistent with the instructions provided in the Operator Instructions (DID RDS-ILS-115). 6.2.2. The Quick Start Guide must contain information required to perform basic operations (battery change, powering on/off, changing scale, acknowledging alarms, <i>et cetera</i> ). 6.2.3. The Quick Start Guide must identify key safety and handling precautions must any exist.	



Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.19 DID – RDS Case Contents

DATA ITEM DESCRIPTION	
1. TITLE <b>RDS Case Contents</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-116
3. DESCRIPTION The RDS Case Contents identifies items in the RDS kits as well as location in transit cases.	
4. RELATED DOCUMENTS	5. CONTRACT REFERENCE <b>SOW: 5.16.4</b> <b>CDRL: B2.19</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>FORMAT</b> 6.1.1. RDS kit list must be prepared in accordance with C-01-100-100/AG-006, Writing, Format and Production of Technical Publications. 6.1.2. The RDS Kit List must be a weatherproof concise guide, such as laminated single card or small laminated folded sheet, etc. 6.1.3. The RDS Kit List must be bilingual Canadian English and Canadian French. 6.1.4. The RDS Kit List must use colour pictorials or drawings to identify item location in transit cases. 6.2. <b>CONTENT</b> 6.2.1. The RDS Kit List must list the contents of the System and map the system component layout when fully packed for transport. 6.2.2. Data to be included are: a. Item Number; b. Item name; c. Part number; and d. Quantity.	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.20 DID – Training Package

DATA ITEM DESCRIPTION	
1. TITLE <b>Training Package</b>	2. IDENTIFICATION NUMBER DID RDS-ILS-117
3. DESCRIPTION The Training Package provides material used to prepare	
	5. CONTRACT REFERENCE <b>SOW: 5.17</b> <b>CDRL: B2.20</b>
6. PREPARATION INSTRUCTIONS	
6.1. <b>CONTENT</b>	
6.1.1. The Training Package must contain all information necessary to operate and maintain the RDS system	
6.2. <b>GENERAL FORMAT</b>	
6.2.1. The Training Package must consist of a minimum of:	
6.2.1.1. A form that can be presented in a classroom environment. Specifically a Microsoft Power Point presentation – or series of presentations.	
6.2.1.2. An on-line version conforming to the latest SCORM standard.	
6.2.1.3. Short videos, covering single topics (or several short connected topics) – the sum of all videos should cover the same material as the classroom presentation.	
6.3. <b>HARD COPY FORMAT</b>	
6.3.1. The Training Package must be printed on paper with these characteristics:	
6.3.1.1. Standard US Ledger size (432 mm x 279 mm)	
6.3.1.2. Weight of no less than 90 gsm;	
6.3.1.3. Brightness of no less than 96 ISO brightness;	
6.4. <b>SOFT COPY FORMAT</b>	
6.4.1. The Training Package for classroom presentation must be submitted as both a PDF file and a Power Point Presentation (or multiple presentations/modules), and match the printed format and layout.	
6.4.1.1. Viewing the PDF version: pages, regardless of size, containing text and illustrations in landscape, must be rotated for electronic viewing and reading in landscape.	
6.4.2. <b>Soft Copy format submission size below 7MB</b> – The Training Package PDF may be submitted via email as follows:	
6.4.2.1. To Field: Addressee, as identified in the contract.	
6.4.2.2. Subject Field: RDS-ILS-117 – Training Package – [Rev #] – [Date of Issue]	
6.4.3. <b>Soft Copy format submission size at or above 7MB</b> - The Training Package PDF must be submitted on CD or DVD media and be labelled as follows:	
6.4.3.1. Radiation Detection System	
6.4.3.2. Training Package;	
6.4.3.3. RDS-ILS-117202;	
6.4.3.4. The Revision number, and	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

6.4.3.5. The date of issue.

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.21 DID – Equipment Environmental Assessment (EEA)

DATA ITEM DESCRIPTION																	
1. TITLE Equipment Environmental Assessment			2. IDENTIFICATION NUMBER DID RDS-ILS-118														
3. DESCRIPTION The EEA identifies and documents potential environmental impacts of the equipment over various life-cycle phases (operation and maintenance, and demilitarization and disposal) and the associated mitigation measures required to reduce or eliminate them.																	
4. RELATED DOCUMENTS			5. CONTRACT REFERENCE <b>SOW: 5.18</b> <b>CDRL: B2.19</b>														
6. PREPARATION INSTRUCTIONS. 6.1. <b>CONTENT</b> The EEA must contain the following sections and information, as a minimum <ul style="list-style-type: none"> <li>6.1.1. Title Page:             <ul style="list-style-type: none"> <li>a. Equipment Name and NSN</li> <li>b. Originating Directorate: TBD</li> <li>c. DGLEPM EEA Registration Number: TBD</li> <li>d. Assessment Contact: Name, title and company name of the author of the EEA</li> </ul> </li> <li>6.1.2. Executive Summary Provide a brief summary of potential environmental impacts and recommended mitigation measures for each life-cycle (test and evaluation following production, operation and maintenance, and demilitarization and disposal).</li> <li>6.1.3. Equipment Description.             <ul style="list-style-type: none"> <li>a. Equipment description: Provide an overview of the equipment and identify each major sub- system as per the Logistical Equipment Breakdown Structure.</li> <li>b. For each major sub-system, identify the following:                 <ul style="list-style-type: none"> <li>i. Materials incorporated into the design, including type and composition. Provide additional information in tabular form as Annex A to the report for all hazardous substances (including, but not limited to those identified below):</li> </ul> </li> </ul> </li> </ul>																	
<table border="1"> <thead> <tr> <th>Hazardous Substance</th> <th>NSN</th> <th>Original OEM Part Number</th> <th>Item Description Additional Details</th> <th>Location</th> <th>Additional Details</th> </tr> </thead> <tbody> <tr> <td>Metal components in pure element form, contained in any compound, alloy or mixture or surface treatment containing: arsenic, aluminum, antimony, beryllium, cadmium, chromium, cobalt, copper, lead,</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Hazardous Substance	NSN	Original OEM Part Number	Item Description Additional Details	Location	Additional Details	Metal components in pure element form, contained in any compound, alloy or mixture or surface treatment containing: arsenic, aluminum, antimony, beryllium, cadmium, chromium, cobalt, copper, lead,					
Hazardous Substance	NSN	Original OEM Part Number	Item Description Additional Details	Location	Additional Details												
Metal components in pure element form, contained in any compound, alloy or mixture or surface treatment containing: arsenic, aluminum, antimony, beryllium, cadmium, chromium, cobalt, copper, lead,																	

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

manganese, molybdenum, nickel, selenium, silver, thallium and zinc. Precious metals such as gold, silver, rhodium, platinum, palladium, tellurium etc.)					
Asbestos					Type and Mil Spec
Halocarbons					Include SDS in Annex C
Polychlorinated Biphenyl					Form (liquid or solid), quantity (kg), volume (L) and concentration in ppm
Mercury and its compounds					Manufacturer of component, form of mercury (e.g. liquid, vapour, amalgam, metal halide), quantity (kg) volume (L) and concentration in ppm

ii. List of Hazardous Products: List all hazardous products incorporated into the subsystems design (i.e. paints/surface treatments, adhesives, lubricants, consumables such as batteries, etc.) and those that are recommended by the Contractor during the in-service life-cycle phase (i.e. lubricants, cleaners, decontaminants, etc.) or contained in the Technical Documentation. Provide the following information for all hazardous products in tabular form in Annex B. All Material (Data Safety Sheets) M(SDS)s are to be provided in Annex C.

Chemical Product	NSN	Product Part Number / Manufacturer	Ingredient	Chemical Abstract Service Number	Controlled Substances
cleaners and degreasers, compressed gases, coolant, corrosion inhibitor, cutting fluid, decontaminant, desiccant, detector kit, dielectric compounds, fire extinguishing agent, flame retardant, fuel, grease, inspection penetrant, lubricants, paints and related commodities (topcoat, primer, wash-primer, thinner, paint stripper, powder coating, underbody coating), polishing compounds (automotive polish, leather care), refrigerants, sealants, spill kits, welding compounds (solder, flux, electrode etc.), etc.					

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

\*Controlled Substances: Identify if the substance is regulated and proposed to be regulated under the Canadian Environmental Protection Act, 1999; targeted in Schedule 1, Toxic Substance List under CEPA and/or subject to the reporting requirements under the National Pollutant Release Inventory (NPRI).

iii. Ionizing radiation sources (radioisotopes and x-ray). e.g. Uranium, Radon, plutonium and tritium etc.

iv. Non-ionizing radiation sources (radiofrequency and lasers). The items requiring demilitarization must be identified by Part Name, NSN (if applicable) and Part Number.

#### 6.1.4. Environmental Assessment

For each lifecycle phase (test and evaluation following production, operation and maintenance, and demilitarization and disposal) discuss the following:

a. Lifecycle activities: Describe anticipated activities (including operator and maintenance tasks that are detailed in Contractor provided Technical Documentation) and identify if any of these activities have the potential to: release a polluting substance to air, water or land (e.g. exhaust emissions, hazardous waste, spills, etc.); impact human health; noise or vibration; and/or alter landscape features. Note: The scope of the EEA excludes activities related to the use of munitions

b. Environmental impacts: Describe the potential environmental impacts identified above.

c. Mitigation Measures: Describe mitigation measures to eliminate or reduce identified potential environmental impacts, including those that are part of the design, any warning devices, emission control equipment, spill response, safe handling and disposal procedures, training, PPE, labels on equipment, cautions and warnings in the Technical Documentation, monitoring or inspections, etc.

#### 6.1.5. Conclusion and Recommendations

Summarize environmental impacts and recommended mitigation measures for each life-cycle.

#### 6.1.6. References

List any references consulted in the completion of the EEA (such as Canadian legislation, DND policies and procedures, technical documentation, etc.)

### 6.2. GENERAL FORMAT

The EEA must be in the Contractor's format using MS Office.

Projet	N001905	ANNEX C_DID
Système de détection des rayonnements		

## C2.22 DID – Demilitarization Instructions (DI)

DATA ITEM DESCRIPTION	
1. TITLE Demilitarization Instructions	2. IDENTIFICATION NUMBER DID RDS-ILS-119
3. DESCRIPTION The Demilitarization Instructions will detail how to demilitarize material that has been classified as sensitive materials and controlled items.	
4. RELATED DOCUMENTS <ul style="list-style-type: none"><li>C-02-007-000/AG 001</li><li>C-02-077-000/AG-001</li></ul>	5. CONTRACT REFERENCE SOW: 5.16 CDRL: <b>B2.20</b>
6. PREPARATION INSTRUCTIONS. 6.1. <b>CONTENT</b> <ul style="list-style-type: none"><li>6.1.1. Demilitarization Instructions must be generated for all items listed on the Sensitive Material and Controlled Items List (DID RDS-ILS-204);</li><li>6.1.2. The instructions must be clear, concise and ensure that the Sensitive Material or Controlled Item has been thoroughly demilitarized.</li><li>6.1.3. The items requiring demilitarization must be identified by Part Name, NSN (if applicable) and Part Number.</li></ul> 6.2. <b>GENERAL FORMAT</b> <ul style="list-style-type: none"><li>6.2.1. Demilitarization instruction format must be in accordance with Annex F of C-02-007-000/AG-001 and using MS Word.</li><li>6.2.2. The instructions must be prepared in accordance with C-02-077-000/AG-001 Controlled Technology Access Transfer (CTAT) Manual.</li><li>6.2.3. The Demilitarization Instructions must be bilingual in English and French.</li></ul>	