



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

**Bid Receiving - PWGSC / Réception des soumissions
- TPSGC**

11 Laurier St. / 11, rue Laurier

Place du Portage, Phase III

Core 0B2 / Noyau 0B2

Atten: Indra Hamilton 8C2-12

Gatineau

Québec

K1A 0S5

SOLICITATION AMENDMENT

MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

Electronics, Simulators and Defence Systems Div.

/Division des systèmes électroniques et des systèmes de
simulation et de défense

11 Laurier St. / 11, rue Laurier

8C2, Place du Portage

Gatineau

Québec

K1A 0S5

Title - Sujet 2 Direct Radiography Panel Systems	
Solicitation No. - N° de l'invitation W8486-184221/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client 6000405225	Date 2017-11-02
GETS Reference No. - N° de référence de SEAG PW-\$\$QF-030-26460	
File No. - N° de dossier 030qf.W8486-184221	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-11-08	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B.	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Hamilton, Indra	Buyer Id - Id de l'acheteur 030qf
Telephone No. - N° de téléphone (819) 420-1738 ()	FAX No. - N° de FAX (819) 956-5650
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: .	

Instructions: See Herein

Instructions: Voir aux présentes

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

DIGITAL RADIOGRAPHY PANEL SYSTEM
SOLICITATION – FILE# W8486-184221
QUESTIONS AND RESPONSES

VERSION: SOLICITATION AMENDMENT # 4

Question #1: What is the tolerance on the resolution in A1.4.1.2 (bid evaluation M14)?

Answer #1: The tolerance on the resolution is ten micrometers (140+10 μm)

Clarification #1: Statement of Work, Annex “A”, Page 21 section A1.4.1.2

Add words “with a tolerance of 10 micrometers (140 μm +10 μm).”

Clarification #2: Bid Evaluation, Annex B, Page 6 Criteria M14

Add words “with a tolerance of 10 micrometers (140 μm +10 μm).”

STATEMENT OF WORK
FOR
DIRECT RADIOGRAPHY PANEL SYSTEM

TABLE OF CONTENTS

1.0 SCOPE	5
1.1 Purpose.....	5
1.2 Background.....	5
1.3 Intended Use.....	5
1.4 Acronyms and Abbreviations.....	5
2.0 APPLICABLE DOCUMENTS.....	8
2.1 References.....	8
2.2 Order of Precedence.....	9
3.0 PROJECT MANAGEMENT	10
3.1 Project Management Program	10
3.2 Project Management Plan (PMP).....	10
3.3 Project Meetings	10
4.0 INTEGRATED LOGISTICS SUPPORT (ILS).....	12
4.1 Maintenance Concept	12
4.2 Technical Publication Package	12
4.3 Provisioning Documentation.....	12
4.4 Initial Training Session	13
4.5 Identification Plates	13
4.6 Controlled Goods List.....	13
4.7 Instruments, Decals, Data Plates and Warnings	13
4.8 Packaging, Labels and Codes.....	14
4.9 Data Deliverable Format	14
5.0 ENVIRONMENTAL HEALTH AND SAFETY	15
5.1 General	15
5.2 Environmental Management System.....	15
5.3 EHS Packaging Labels and MSDS	15
6.0 TECHNICAL REQUIREMENTS.....	17
6.1 Overview	17
A1.0 APPENDIX: DRPS PERFORMANCE SPECIFICATION.....	18
A1.1 System Requirements.....	18

A1.2	System Component Requirements	19
A1.3	Physical Requirements	20
A1.4	Performance Requirements	20
A1.5	Environmental/Climatic/Impact Requirements	21
A1.6	Electrical Characteristics.....	22
A2.0	APPENDIX: CONTRACT DATA REQUIREMENTS LIST	23
A2.1	CDRL Item List.....	23
A2.2	CDRL Table Definitions	24
A2.3	CDRL – Project Management Plan	27
A2.4	CDRL – Meeting Agenda	28
A2.5	CDRL – Meeting Minutes	29
A2.6	CDRL – Operator Manual	30
A2.7	CDRL – Initial Training Package	31
A2.8	CDRL – Top Level Assembly Drawing	32
A2.9	CDRL – Identification Plates	33
A2.10	CDRL – Controlled Goods List.....	34
A2.11	CDRL – Packaging Labels and Codes.....	35
A2.12	CDRL – Maintenance and Parts Handbook	36
A2.13	CDRL – Application for Spectrum Supportability.....	37
A3.0	APPENDIX: DATA ITEM DESCRIPTION	38
A3.1	DID Item List	38
A3.2	DID Table Definitions	39
A3.3	DID – Project Management Plan.....	40
A3.4	DID – Meeting Agenda.....	41
A3.5	DID – Meeting Minutes	42
A3.6	DID – Operator Manual	43
A3.7	DID – Initial Training Package.....	45
A3.8	DID – Top Level Assembly Drawing	47
A3.9	DID – Identification Plates.....	48
A3.10	DID – Controlled Goods List	49
A3.11	DID – Packaging, Labels and Codes	50
A3.12	DID – Maintenance and Parts Handbook.....	52

A3.13 DID – Application for Spectrum Supportability 54

1.0 SCOPE

1.1 Purpose

- 1.1.1 The purpose of this Statement of Work (SOW) is to define the work requirements for the provision of a state-of-the-art portable, Digital Radiography Panel System (DRPS) to be used by the Canadian Armed Forces (CAF).

1.2 Background

- 1.2.1 The CAF has a mandate to render-safe and dispose of explosive ordnance (EO), improvised explosive devices (IED) and unexploded ordnance (UXO) that are located in the Canadian territory or that are found abroad on deployed operations and posing a threat to Canadian and Allied Forces. Rendering-safe procedures requires the use of specialized tools, including diagnostic equipment like X-Ray systems, to view the inside of suspicious objects or packages without disturbing them in order to safely determine their nature, internal structure and composition, and the best approach to neutralize them.

1.3 Intended Use

- 1.3.1 Explosive ordnance disposal (EOD) specialists will use the DRPS inside buildings, structures, and vehicles in the field, to help view and analyze the interior of suspicious or explosive threat objects, made of organic and/or in-organic material. Given the nature of the operations on which the CAF's EOD teams will deploy, the equipment must be reliable, robust, compact, light-weight and function in semi-protected harsh environments.

1.4 Acronyms and Abbreviations

ABCA	America, Britain, Canada, Australia
CA	Contracting Authority
CAGE	Commercial and Government Entity
CD	Compact Disk
CDRL	Contract Data Requirements List
CAF	Canadian Forces
CFB	Canadian Forces Base
CFSD	Canadian Forces Supply Depot
CFSS	Canadian Forces Supply System
CFTO	Canadian Forces Technical Order
COTS	Commercial off the Shelf
DCSEM	Director Combat Support Equipment Management
DGLEPM	Director General Land Equipment Program Management
DID	Data Item Description
DMC	Demilitarization Code
DML	Demilitarization List
DND	Department of National Defence
DLP	Director of Land Procurement
DLR	Director of Land Requirements

DPA	Defence Product Act
DR	Direct Radiography
DRPS	Direct Radiography Panel System
DSCO	Director Supply Chain Operations
DTMS	Defence Terminology Management System
DWG	Drawing format
ECL	Export Control List
ECCN	Export Control Classification Number
EHS	Environmental Health and Safety
EHSIR	Environmental Health and Safety Impact Report
EME	Electromagnetic Environment
IAW	In Accordance With
ILS	Integrated Logistics Support
ILSM	Integrated Logistics Support Manager
IP	Initial Provisioning
IPC	Initial Provisioning Conference
IPGC	Initial Provisioning Guidance Conference
IPM	Illustrated Parts Manual
ISL	Interim Spares List
ITAR	International Traffic in Arms Regulations
LEMS	Land Equipment Maintenance System
MCN	Material Change Notice
MS	Microsoft
MSDS	Material Safety Data Sheet
NATO	North Atlantic Treaty Organization
NCAGE	NATO Commercial and Government Entity
NDHQ	National Defence Headquarters
NDID	National Defence Index of Documentation
NSCM	NATO Supply Code for Manufacturers
NSN	NATO Stock Number
OEM	Original Equipment Manufacturer
OS	Operating System
PA	Procurement Authority
PD	Provisioning Documentation
PDF	Portable Document Format
PMP	Project Management Plan

PPB	Provisioning Parts Breakdown
PHST	Packaging, Handling, Storage and Transportation
PSPC	Public Services Procurement Canada
PWGSC	Public Works and Government Services Canada
R&O	Repair & Overhaul
RFP	Request for Proposal
RM	Risk Management
RSPL	Recommended Spare Parts List
SCN	Specification Change Notice
SME	Subject Matter Expert
SOW	Statement of Work
SPTD	Supplementary Provisioning Technical Documentation
STTE	Special Tools and Test Equipment
TA	Technical Authority
TAC	Technical Acceptance Certificate
TMDE	Test, Measurement and Diagnostic Equipment
USML	United States Munitions List
WHMIS	Workplace Hazardous Materials Information System

2.0 APPLICABLE DOCUMENTS

2.1 References

2.1.1 Whereas mentioned, the following Standards must be used for the preparation of deliverables to the extent specified in this SOW:

GOVERNMENT FURNISHED INFORMATION

<u>REFERENCE NUMBER</u>	<u>PROMULGATION DATE</u>	<u>REFERENCE TITLE</u>
A-AD-100-100/AG-000	1991-10-15	NATIONAL DEFENCE PUBLISHING POLICY AND ADMINISTRATION PROCEDURES
A-EN-007-000/FP-001		DND ENVIRONMENTAL ASSESSMENT MANUAL
ANSI/EIA-649	2004	NATIONAL CONSENSUS STANDARD FOR CONFIGURATION MANAGEMENT, 2004
B-GT-D35-001/AG-000	2006-07-10	DNBP 35 MANAGEMENT OF THE RADIO FREQUENCY SPECTRUM
C-01-100-100/AG-005	1996-02-29	SPECIFICATION - ACCEPTANCE OF COMMERCIAL AND FOREIGN GOVERNMENT PUBLICATIONS AS ADOPTED PUBLICATIONS
C-01-100-100/AG-006	1996-03-01	SPECIFICATION – WRITING, FORMAT AND PRODUCTION OF TECHNICAL PUBLICATIONS
C-02-040-009/AG-001	2012-06-01	GENERAL SAFETY STANDARDS
C-55-040-001/TS-001	2012-05-04	SAFETY PRECAUTIONS AND INCIDENT PREVENTION INSTRUCTIONS - RADIO FREQUENCY SAFETY PROGRAM
D-01-100-204/SF-000	2000-10-31	SPECIFICATION - PREPARATION OF PREVENTIVE MAINTENANCE INSTRUCTIONS
D-01-100-205/SF-000	2000-10-31	SPECIFICATION - PREPARATION OF CORRECTIVE MAINTENANCE INSTRUCTION
D-01-100-207/SF-002	1996-07-12	SPECIFICATION - PREPARATION OF INTERIM ILLUSTRATED PARTS MANUALS FOR LAND EQUIPMENTS
D-01-100-211/SF-000	1991-06-01	SPECIFICATION – PRESERVATION, STORAGE AND HANDLING INSTRUCTION
D-01-100-214/SF-000	2002-05-01	SPECIFICATION FOR PREPARATION OF PROVISIONING DOCUMENTATION FOR CANADIAN FORCES EQUIPMENT
D-01-100-215/SF-000	2002-05-01	SPECIFICATION FOR PREPARATION OF MATERIEL CHANGE NOTICES (MCN) FOR CANADIAN FORCES EQUIPMENT
D-01-400-001/SG-000		STANDARD - ENGINEERING DRAWING PRACTICES FOR CLASS 1 DRAWINGS AND TECHNICAL DATA LIST
D-01-400-002/SF-000	1983-11-30	SPECIFICATION FOR LEVELS OF ENGINEERING DRAWINGS AND ASSOCIATED LISTS

D-02-002-001/SG-001	2003-04-01	STANDARD – IDENTIFICATION MARKING OF CANADIAN MILITARY PROPERTY
D-80-001-055/SF-001	2005	SPECIFICATION FOR LABEL, CLOTHING AND EQUIPMENT
D-LM-008-001/SF-001	1983-02-03	METHODS OF PACKAGING
D-LM-008-002/SF-001	1991-08-01	SPECIFICATION FOR MARKING FOR STORAGE AND SHIPMENT
D-LM-008-011/SF-001	1988-11-10	PREPARATION AND USE OF PACKAGING REQUIREMENTS CODES
D-LM-008-036/SF-000	2013-12-01	DND MINIMUM REQUIREMENT FOR MANUFACTURER'S STANDARD PACK
NEMA IEC 60529		DEGREES OF PROTECTION PROVIDED BY ENCLOSURES - IP CODE
R.S., 1985, C. H-3	1985	HAZARDOUS PRODUCTS ACT
SOR/86-304	N/A	CANADA OCCUPATIONAL HEALTH AND SAFETY REGULATIONS
SOR/99-7	1998	OZONE-DEPLETING SUBSTANCES REGULATIONS, 1998

COMMERCIALY AVAILABLE

<u>REFERENCE NUMBER</u>	<u>PROMULGATION DATE</u>	<u>REFERENCE TITLE</u>
DAOD 3026-0	2012-05-04	RADIO FREQUENCY SAFETY
DAOD 3026-1	2012-05-04	RADIO FREQUENCY SAFETY PROGRAM

2.2 Order of Precedence

- 2.2.1 The Contractor must bring to the attention of the TA all perceived inconsistencies between the SOW and the documents attached in the Appendixes and referenced in this SOW.
- 2.2.2 In the event of conflict between the content in this SOW and the referenced documents, the content of this SOW will take precedence.

3.0 PROJECT MANAGEMENT

3.1 Project Management Program

- 3.1.1 The Contractor must designate a Project Manager with the responsibilities to coordinate, execute, and manage the Contractor's project management activities for the Contract. The Contractor's Project Manager must have the total responsibility for all works required under the Contract.
- 3.1.2 The Contractor's Project Manager must be the primary point of contact between the Contractor and the DND Technical Authority and the PSPC Contracting Authority for all issues related to the Contract.

3.2 Project Management Plan (PMP)

- 3.2.1 The Contractor must prepare, deliver, maintain and update a **Project Management Plan (PMP)** IAW CDRL DRPS-PM-001 at Appendix A2.3 to ANNEX A and its associated DID DRPS-PM-001 at Appendix A3.3 (page 40) to ANNEX A.

3.3 Project Meetings

- 3.3.1 Meeting Organization and Coordination
 - 3.3.1.1 The Contractor must ensure that data, personnel and facilities are available for each meeting.
 - 3.3.1.2 The Contractor must attend meetings held at the Contractor and DND facilities.
 - 3.3.1.3 The Contractor's Project Manager must be present at all meetings. If the Project Manager does not have final approval authority for decision making and changes, then the person that has that final approval authority must also be present at all meetings.
- 3.3.2 Kick-off Meeting
 - 3.3.2.1 The Contractor must hold and chair a Kick-off Meeting (at the Contractor's facility) no later than fourteen (14) calendar days after contract award to review and secure a common understanding of the requirements expressed in the following:
 - 3.3.2.1.1 The Contract;
 - 3.3.2.1.2 The SOW;
 - 3.3.2.1.3 General overview of the project, risks, schedule and communication channels to follow, and
 - 3.3.2.1.4 Other contractual and programmatic issues associated with the project as agreed between the TA, CA and the Contractor.
 - 3.3.2.2 During the Kick-off Meeting, the Contractor must provide the following:
 - 3.3.2.2.1 Top Level Assembly Drawing
 - 3.3.2.2.1.1 The Contractor must deliver the Top Level Assembly Drawing(s) (TLAD) IAW CDRL DRPS-ILS-208 at Appendix A2.8 (page 32) and the associated DID DRPS-ILS-208 at A3.8 (page 47) to this ANNEX A.
 - 3.3.2.2.3 Refer to Meeting Documentation requirements found at ANNEX A para. 3.3.5 (page 11).
- 3.3.3 Integrated Logistics Support (ILS) Meeting

- 3.3.3.1 The Contractor must hold and chair an ILS Meeting immediately following the closure of the Kick-Off Meeting (see 3.3.2):
 - 3.3.3.1.1 To review and secure a common understanding of the requirements expressed in the ILS CDRLs and DIDs, DND CFTOs and specifications (see 2.1); and,
 - 3.3.3.1.2 Discuss possible sparing strategies and concepts, Lowest Replaceable Units (LRUs), and lines of maintenance.
- 3.3.3.2 Refer to Meeting Documentation requirements found at ANNEX A para. 3.3.5 (page 11).
- 3.3.4 Other meetings
 - 3.3.4.1 The Contractor and the TA may schedule informal reviews, such as teleconferences, video conferences, briefings and technical interchange meetings, as required to help achieve the requirements of the Contract.
- 3.3.5 Meeting Documentation
 - 3.3.5.1 The Contractor must prepare and deliver a meeting agenda for all formal meetings and conferences, and prepare and deliver the meeting minutes afterwards.
 - 3.3.5.1.1 The Contractor must prepare **Meeting Agenda(s)** IAW CDRL DRPS-PM-002 at Appendix A2.4 (page 28) to ANNEX A and its associated DID DRPS-PM-002 at Appendix A3.4 (page 41) to ANNEX A.
 - 3.3.5.1.2 The Contractor must record, prepare, and deliver the **Meeting Minutes** of each meeting IAW CDRL DRPS-PM-003 at Appendix A2.5 (page 29) to ANNEX A and its associated DID DRPS-PM-003 at Appendix A3.5 (page 42) to ANNEX A.
 - 3.3.5.2 No change in the interpretation of the SOW, Technical Specification, cost, and schedule, as defined in the Contract, may be authorized by the minutes of a meeting. Such action will require formal Contract amendment by the CA.
- 3.3.6 Application for Spectrum Supportability
 - 3.3.6.1.1 For each RF component (Transmitting and Receiving) in the DRPS , the Contractor must prepare and provide all required information for the Application for Spectrum Supportability IAW CDRL DRPS-SE-101 at Appendix 3 and its associated DID DRPS-SE-101 at Appendix 2 to this ANNEX A and ANNEX D – Application for Spectrum Supportability.
 - 3.3.6.1.2 The DRPS RF components must be certified by Industry Canada or meet Spectrum Supportability. Spectrum Supportability is granted when RF equipment is found to be in conformity with National Spectrum Policy and Standards to ensure compatibility with existing RF equipment, both military and civilian, currently operating in the same frequency band. DND policy, standards, and organization for spectrum management and instructions for obtaining frequency supportability and licensing can be found in B-GT-D35-001/AG-000 (DNDP 35) Management of the Radio Frequency Spectrum. National Spectrum Policy and Standards can be found on Industry Canada's website (<http://www.ic.gc.ca>) at: http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/h_sf01841.html.

4.0 INTEGRATED LOGISTICS SUPPORT (ILS)

4.1 Maintenance Concept

- 4.1.1 The DRPS will be maintainable by CAF operators and technicians in a field environment as prescribed for each item of equipment:
 - 4.1.1.1 **Operator Maintenance** – consisting of basic servicing, preliminary diagnosis of faults, general maintenance and preventive maintenance that is not requiring STTE to complete this maintenance.
- 4.1.2 The Contractor must perform the more in-depth maintenance tasks consisting of corrective maintenance tasks, reconditioning of assemblies and component rebuilds.

4.2 Technical Publication Package

- 4.2.1 The Contractor must prepare and deliver a Technical Publication package for the DRPS comprising of:
 - 4.2.1.1 Operator
 - 4.2.1.1.1 The Contractor must provide the **Operator Manual** with each DRPS IAW CDRL DRPS-ILS-201 at Appendix A2.6 (page 30) and its associated DID DRPS-ILS-201 at Appendix A3.6 (page 43) to this ANNEX A.
 - 4.2.1.2 Initial Training Package
 - 4.2.1.2.1 The Contractor must provide an **Initial Training Package** IAW CDRL DRPS-ILS-203 at Appendix A2.7 (page 31) and its associated DID DRPS-ILS-203 at A3.7(page 45) to ANNEX A.
 - 4.2.1.3 Maintenance and Parts Handbook
 - 4.2.1.3.1 The Contractor must provide a **Maintenance and Parts Handbook** IAW CDRL DRPS-ILS-214 at Appendix **A2.12** (page 36) and its associated DID DRPS-ILS-214 at Appendix A3.12 (page 52) to ANNEX A.
- 4.2.2 The Contractor must deliver all Technical Publications in English and Canadian French.
- 4.2.3 The Contractor must have all Technical Publications translated by certified translators, such as members of an authorized provincial association of translators, to ensure the quality of translated text.
 - 4.2.3.1 Upon request from Canada, the Contractor must provide a copy of those certificates and proof of translator accreditation to the DND TA.
- 4.2.4 The Contractor must ensure all translations are consistent with approved DND terminology. Approved terminology sources, in order of priority, are as follows:
 - 4.2.4.1 Concise Oxford Dictionary (for English);
 - 4.2.4.2 Petit Robert (for French); and
 - 4.2.4.3 Termium, PWGSC Translation Bureau Linguistic Data Bank (<http://www.termiumplus.gc.ca/>);
- 4.2.5 The Contractor must review and accept responsibility for the validity of all (both their own and all sub-Contractors) information found in the publications produced under ANNEX A para. 4.2.1.

4.3 Provisioning Documentation

- 4.3.1 The Contractor must prepare and deliver Provisioning Documentation for the DRPS comprising of:

- 4.3.1.1 Supplementary Provisioning Technical Documentation
 - 4.3.1.1.1 The Contractor must provide **Supplementary Provisioning Technical Documentation** IAW CDRL DRPS-ILS-208 at Appendix A2.8 and its associated DID DRPS-ILS-208 at Appendix 47 to this ANNEX A

4.4 Initial Training Session

- 4.4.1 The Contractor must provide the Initial Training Session after delivery of the first DRPSs.
- 4.4.2 The Contractor must provide an Initial Training Session consisting of:
 - 4.4.2.1 One (1) training session for Operators (train-the-trainer type) given to from one (1) to ten (10) students per course, and
- 4.4.3 The Contractor must provide the Initial Training Session in English.
- 4.4.4 The Contractor must provide an Initial Training Session that includes all training relating to setup, operation, safety precautions, and first level maintenance.
- 4.4.5 The Contractor must provide all the materials required for training, and all course material and handouts, in English and Canadian French.
- 4.4.6 The Contractor must use the approved Initial Training Package for the Initial Training Session.
- 4.4.7 The Contractor must provide trainer(s) that are considered Subject Matter Expert(s) (SME) on the DRPS.

4.5 Identification Plates

- 4.5.1 The Contractor must provide all required **Identification Plates** IAW CDRL DRPS-ILS-210 at Appendix A2.9 (page 33) and its associated DID DRPS-ILS-210 at Appendix A3.9 (page 48) to this ANNEX A.
- 4.5.2 The Contractor must attach Identification Plates to the following components for ease of tracking within the Canadian Forces Supply System:
 - 4.5.2.1 Prime Equipment;
 - 4.5.2.2 Spares;
 - 4.5.2.3 Training Equipment
 - 4.5.2.4 Transportation, Shipping, Storage Containers that are not single-use;
 - 4.5.2.5 Support Equipment (excluding common tools); and

4.6 Controlled Goods List

- 4.6.1 Contractor must provide a **Controlled Goods List** and the Demilitarization Code (DMC) IAW DRPS-ILS-211 at Appendix A2.10 (page 34) and its associated DID DRPS-ILS-211 at Appendix A3.10 (page 49) to this ANNEX A.

4.7 Instruments, Decals, Data Plates and Warnings

- 4.7.1 The Contractor must deliver all instruments, decals and data plates marked in metric units.
- 4.7.2 Where international symbols are not possible, the Contractor must provide bilingual markings in English and Canadian French.
- 4.7.3 The Contractor must provide warning and precautionary data plates in both official languages of Canada (English and Canadian French) where necessary to protect personnel and equipment.

4.8 Packaging, Labels and Codes

- 4.8.1 The Contractor must supply all parts and equipment, packaged following:
 - 4.8.1.1 Level B Limited Military Package;
 - 4.8.1.2 Level B Limited Military Pack;
- 4.8.2 The Contractor must label all packaging, produced under 4.8.1 above, as per D-LM-008-002/SF-001, using D-LM-008-011/SF-001 to prepare the required packaging and preservation codes.
- 4.8.3 The Contractor must provide **Packaging, Labels and Codes** IAW CDRL DRPS-ILS-212 at Appendix A2.11 (page 35) to Annex A, and its associated DID DRPS-ILS-212 at Appendix A3.11 (page 50) to this ANNEX A.

4.9 Data Deliverable Format

- 4.9.1 Unless otherwise specified as a specific requirement, the Contractor must deliver all of the soft copies of data deliverables, in formats compatible with the office software currently in use by the DND as listed:
 - 4.9.1.1 Microsoft (MS) Windows 7 Enterprise Operating System (OS), Service Pack 1;
 - 4.9.1.2 MS Internet Explorer (IE) 11.0 with 256 Bit Encryption;
 - 4.9.1.3 MS Office Professional Plus 2013 (32-bit) (Word, Excel, Access, PowerPoint and Outlook), and
 - 4.9.1.4 Adobe Acrobat X;

5.0 ENVIRONMENTAL HEALTH AND SAFETY

5.1 General

- 5.1.1 Environmental Health and Safety (EHS) consideration must be incorporated and documented into the decision making process for the Work performed under this Contract. EHS documentation must be maintained within the project file throughout the life of this Contract. The Contractor must provide for and allow DND inspection and monitoring of EHS documentation throughout the life of the contract.
- 5.1.2 Polychlorinated Biphenyls (PCBs), halocarbons (as identified within the Ozone-Depleting Substances Regulations, 1998), and asbestos are not to be incorporated into the design, operation and maintenance of the equipment, and products used in equipment support activities.
- 5.1.3 The Contractor must identify and report all sources of mercury contained and used within the design, operation and maintenance of the equipment, and products used in equipment support activities.
- 5.1.4 The Department is committed to the Federal programs to reduce and eliminate emissions from toxic substances. Contractors must identify and submit justifications for the use of all regulated products and those containing substances identified within the Accelerated Reduction/Elimination of Toxics (ARET, <http://www.ec.gc.ca/nopp/aret/en/list.cfm>), National Pollutant Release Inventory (NPRI, http://www.ec.gc.ca/pdb/npri/npri_home_e.cfm) and List of Challenge Substances (http://www.chemicalsubstanceschimiques.gc.ca/challenge-defi/list_e.html), and also for products containing heavy metals (heavy metals are those identified within Schedule 1 of the Canadian Environmental Protection Act (CEPA)) to the technical authority for approval.
- 5.1.5 Canada Labour Code, Part II dictates that the least hazardous materials should be used at the workplace. Therefore, the Contractor is to strive to use the least hazardous product that meets the requisite performance requirements.
- 5.1.6 The Contractor must incorporate EHS warnings and instructions in direct relation of the EHS risks presented in the contents into documentation.
- 5.1.7 It is the Contractor's responsibility to ensure that specifications, standards, support documents and test programs are reviewed for EHS compliance.

5.2 Environmental Management System

- 5.2.1 The Contractor must have a management system in place to control environmental, health and safety impacts resulting from their activities, products and services.
- 5.2.2 The Contractor must have a formalized set of procedures and control measures in place to achieve conformance with the requirements of this Work, while ensuring environmental, health and safety protection and pollution prevention.
- 5.2.3 The Contractor must also make reasonable effort to monitor that all subcontractors are in compliance with applicable environmental laws and regulations.

5.3 EHS Packaging Labels and MSDS

- 5.3.1 The Contractor must label and ship goods falling within the Hazardous Products Act, R.S.C. 1985, c. H-3 and regulation(s) there under, in accordance with the said Act and regulation(s).
 - 5.3.1.1 The Contractor must ship goods accompanied by the required Material Safety Data Sheet(s) (MSDS), completed in either English or Canadian French.

- 5.3.1.2 The Contractor must clearly identify the contents of the hazardous material with labels, and the MSDS must explain what those hazards are.

6.0 TECHNICAL REQUIREMENTS

6.1 Overview

6.1.1 The Contractor must comply with all specified requirements for each component of the DRPS, stated in:

6.1.1.1 A1.0 APPENDIX: DRPS PERFORMANCE SPECIFICATION

A1.0 APPENDIX: DRPS PERFORMANCE SPECIFICATION

A1.1 System Requirements

A1.1.1 General

A1.1.1.1 The DRPS must be assembled from production components from a current production line that are not prototypes or pre-production models.

A1.1.1.2 The DRPS must be based on proven, fielded equipment, which is in-service with a North Atlantic Treaty Organization (NATO) or American, British, Canadian, Australian (ABCA) military partner or police agency of those countries.

A1.1.1.3 The DRPS must consist of the following components, and is further described in detail under section A1.2:

A1.1.1.3.1 One (1) Digital Radiography (DR) Panel;

A1.1.1.3.2 Two (2) DR Panel Support Structures;

A1.1.1.3.3 Imaging Software;

A1.1.1.3.4 One (1) Ruggedized Tablet.

A1.1.1.3.5 One (1) Battery Charging System and documentation; and

A1.1.1.3.6 One (1) Hard Transport Container for the above components.

A1.1.1.4 The DRPS must include (stored within the Hard Transport Container) all tools required to setup and maintain the DRPS in accordance with the **Operator Maintenance** Concept ANNEX A paragraph 4.1.1.1 (page 12).

A1.1.2 Transportability

A1.1.2.1 The DRPS must be easily transportable with no more than 10 minutes preparation time by a trained operator.

A1.1.2.2 The DRPS must be transportable by fixed and rotary wing aircraft, cargo ships, rail, and commercial and military wheeled vehicles on highways and cross-country.

A1.1.3 Service Life

A1.1.3.1 The in-service life of DRPS must be no less than ten (10) years.

A1.2 System Component Requirements

A1.2.1 Digital Radiography Panel

- A1.2.1.1 The DR Panel must be reusable.
- A1.2.1.2 The DR Panel must be of the Direct Radiography type without any moving parts.
- A1.2.1.3 The DR Panel must use the Golden Engineering XRS-3 (NSN 01-608-7857) that is in-service with DND as a source to generate the X-rays.
- A1.2.1.4 The DR Panel must include both wireless and wired operation.

A1.2.2 DR Panel Support Structure

- A1.2.2.1 The DR Panel Support Structure must allow for the DR Panel to be positioned and held securely next to the object being X-rayed.

A1.2.3 Imaging Software (including Database)

A1.2.3.1 Data Storage

- A1.2.3.1.1 Images stored by the Imaging Software must have data descriptors including:
 - A1.2.3.1.1.1 Operator/Technician name;
 - A1.2.3.1.1.2 Date and Time;
 - A1.2.3.1.1.3 Location;
 - A1.2.3.1.1.4 Filename;

A1.2.3.2 Additional Display Descriptors

- A1.2.3.2.1 The Imaging Software must allow for user input of additional data descriptors and other possible annotations such as X-ray source used, number of X-ray source pulses, category and project name.

A1.2.3.3 Database Management Tool

- A1.2.3.3.1 The Imaging Software must include a database management tool.

A1.2.3.4 Database Functions

- A1.2.3.4.1 The Imaging Software must have sort and query functions including the capability to collect, search, and import/export images and associated information/descriptors.

A1.2.3.5 Image Enhancement Functions

- A1.2.3.5.1 The Imaging Software must have image manipulation and enhance functions, and automatically protect and preserve a copy of the original untouched image for historical record.
- A1.2.3.5.2 Manipulation and enhancement of images must include the following:
 - A1.2.3.5.2.1 Histogram equalization;
 - A1.2.3.5.2.2 Image sharpness;
 - A1.2.3.5.2.3 Brightness and contrast;
 - A1.2.3.5.2.4 Gamma correction;

- A1.2.3.5.2.5 Pseudo color or Colorize;
- A1.2.3.5.2.6 Emboss or Pseudo 3D;
- A1.2.3.5.2.7 View multiple images on screen;
- A1.2.3.5.2.8 Point to point distance measurement (metric and imperial);
- A1.2.3.5.2.9 Image rotation;
- A1.2.3.5.2.10 Region of Interest enhancement; and
- A1.2.3.5.2.11 Undo and Redo functions.

A1.2.3.6 Image File Format

- A1.2.3.6.1 The Imaging Software must save (including export) images to the database in TIFF, JPEG, and BMP formats, as selected by the user.

A1.2.4 Ruggedized Tablet

- A1.2.4.1 The Contractor must provide a Ruggedized Tablet computer system with the following specifications:

- A1.2.4.1.1 Must run the software described in A1.2.3.
- A1.2.4.1.2 Must connect to the DR panel as described in A1.4.3.
- A1.2.4.1.3 Display must be touch screen enabled.
- A1.2.4.1.4 The active area of the display must be no less than 25 centimeters measured along the diagonal.
- A1.2.4.1.5 Must have a display resolution of no less than 1366 x 768.
- A1.2.4.1.6 Must have an internal battery that can power the computer device for no less than two (2) hours.
- A1.2.4.1.7 Must have a USB interface for the transferring of data.
- A1.2.4.1.8 Must have no less than an IP53 rating, or equivalent, IAW NEMA IEC 60529.
- A1.2.4.1.9 Must remain fully functional when dropped from a height of no less than 50 centimeters, impacting a rigid surface and dropped in any orientation.
- A1.2.4.1.10 Must have an internal storage capacity no less than 250 Gigabytes.

A1.3 Physical Requirements

A1.3.1 Weight

- A1.3.1.1 The DR Panel must not exceed 10kg.
- A1.3.1.2 The DRPS, as per para A1.1.1.3, must not exceed 25 kg.

A1.3.2 Size

- A1.3.2.1 The DR panel must have an imaging size of no less than 400mm by 350mm.
- A1.3.2.2 The DR panel must be no more than 550mm by 550mm by 50mm in size.

A1.4 Performance Requirements

A1.4.1 Image Resolution

- A1.4.1.1 The DRPS must have an analog to digital conversion range of at least 16 bits.

- A1.4.1.2 The DR Panel must provide an image with a resolution of no more than 140 micrometers (140 μm) with a tolerance of 10 micrometers (140 μm +10 μm).
- A1.4.2 Image Time
 - A1.4.2.1 The DRPS must provide an image in no more than 10 seconds from the time the DR Panel is exposed to X-rays.
- A1.4.3 System Link Configuration
 - A1.4.3.1 The DR Panel must be operable in two (2) modes:
 - A1.4.3.1.1 Wired Link Mode
 - A1.4.3.1.1.1 The DR Panel must have a hard wired link from the DR Panel to the Ruggedized Tablet.
 - A1.4.3.1.1.2 The DR Panel must have a range of no less than 50m in the hard wired link mode.
 - A1.4.3.1.2 Wireless Link Mode
 - A1.4.3.1.2.1 The DR Panel must have a wireless link mode from the DR Panel to the Ruggedized Tablet.
 - A1.4.3.1.2.2 The DR Panel must have a range of no less than 50m in the wireless link mode.
 - A1.4.3.1.3 The DRPS must operate within either the commercial 2.4 GHz or 5 GHz bandwidth in the wireless link mode.
 - A1.4.3.1.4 The DRPS must meet requirements of DND/CAF RF Safety Program IAW DAOD 3026-0, DAOD 3026-1 and CFTO C-55-040-001TS-002, and it must be in compliance with the requirements of Health Canada's Safety Code 6: Limits of Human Exposure to Radio frequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz.
- A1.4.4 Operation and Setup time
 - A1.4.4.1 The DRPS must be setup from the storage configuration to the fully operable configuration in no less than 10 minutes by a trained operator.
 - A1.4.4.2 The DR Panel must have a built-in rechargeable battery providing no less than two (2) hours of operation, assuming a minimum of five (5) scans and no more than 30 scans in the two (2) hours.
 - A1.4.4.3 The DR Panel must provide a visual indication of a low battery level.
- A1.5 Environmental/Climatic/Impact Requirements**
 - A1.5.1 Climatic Conditions**
 - A1.5.1.1 The DRPS must operate in temperatures from -19°C to $+44^{\circ}\text{C}$.
 - A1.5.1.2 The DRPS must operate in relative humidity from 5% to 100%
 - A1.5.1.3 The DRPS must operate after being stored for no less than eight (8) hours in temperatures from -20°C to $+50^{\circ}\text{C}$.
 - A1.5.1.4 The DR Panel must have no less than an IP53 rating, or equivalent, IAW NEMA IEC 60529.
 - A1.5.1.5 The DR Panel must remain fully functional when dropped from a height of no less than 100 centimeters, impacting a rigid surface, and dropped in any orientation.

A1.6 Electrical Characteristics

A1.6.1 General

- A1.6.1.1 If any Lithium or Lithium-polymer batteries are used in the system, then the procedures must be in accordance with C-02-008-001/TS-000 General Safety Lithium Batteries Handling, Storage Preservation and Disposal Instructions.

A1.6.2 Electrical Protection Requirements

- A1.6.2.1 DRPS must be protected with fuses or circuit breakers to provide current surge protection for electronics.

A1.6.3 Battery Charging System

- A1.6.3.1 The Battery Charging system must include a universal power input of 110VAC – 220VAC, 50Hz – 60Hz, for each of the components with rechargeable batteries.
- A1.6.3.2 The Battery Charging System must provide a visual indication of the battery level in order to indicate when charging is required and when it is complete.
- A1.6.3.3 The Battery Charging System full re-charge time (with the devices powered off) must be no more than eight (8) hours.
- A1.6.3.4 The Battery Charging System must be certified CE, UL or equivalent.

A2.0 APPENDIX: CONTRACT DATA REQUIREMENTS LIST

A2.1 CDRL Item List

CDRL #	Title	DID #
DRPS-PM-001	Project Management Plan	DRPS-PM-001
DRPS-PM-002	Meeting Agenda	DRPS-PM-002
DRPS-PM-003	Meeting Minutes	DRPS-PM-003
DRPS-ILS-201	Operator Manual	DRPS-ILS-201
DRPS-ILS-203	Initial Training Package	DRPS-ILS-203
DRPS-ILS-208	Supplementary Provisioning Technical Documentation	DRPS-ILS-208
DRPS-ILS-210	Identification Plates	DRPS-ILS-210
DRPS-ILS-211	Controlled Goods List	DRPS-ILS-211
DRPS-ILS-212	Packaging, Labels and Codes	DRPS-ILS-212
DRPS-ILS-214	Maintenance and Parts Handbook	DRPS-ILS-214
DRPS-SE-101	Application for Spectrum Supportability	DRPS-SE-101

A2.2 CDRL Table Definitions

The following section defines the various blocks of information found on the CDRL forms:

BLOCK A – SYSTEM / ITEM

Provides the name of the System or Item for which the CDRL applies.

BLOCK B – CONTRACT / RFP NUMBER

Identifies the Contract or RFP for which the CDRL applies.

BLOCK C – SOW IDENTIFIER

Identifies the SOW for which the CDRL applies.

BLOCK D – DATA CATEGORY

Identifies the general category of the data for which the CDRL is being prepared.

BLOCK E – CONTRACTOR

Identifies the Contractor responsible for the delivery of the CDRL.

BLOCK 1 - ITEM NUMBER

The Item Number is a sequential three-digit number to uniquely identify the individual data item (CDRL number). Note that the 001-099 series is reserved to Project Management (PM) CDRLs, the 101-199 series is reserved to Systems Engineering (SE) CDRLs and the 201-299 series is reserved to Integrated Logistics Support (ILS) CDRLs.

BLOCK 2 - TITLE OR DESCRIPTION OF DATA

The title of the data item being referred to in this CDRL.

BLOCK 3 - SUBTITLE

This block contains the subtitle of the data item for the CDRL if the title requires further identification.

BLOCK 4 - AUTHORITY (DATA ITEM NUMBER)

Indicates the Data Item Description (DID) number to which this CDRL refers.

BLOCK 5 - CONTRACT REFERENCE

The specific paragraph number of the Contract Demand, Statement of Work, Request for Proposal, Specification, or other applicable document to assist in identifying the work effort associated with the data item.

BLOCK 6 – REQUIRING OFFICE

Identifies the technical office of primary interest responsible for defining the data requirement, reviewing, acceptance and approval of the data item, and ensuring the adequacy of the delivered data.

BLOCK 7 - INSPECTION

This block indicates the requirement for INSPECTION and ACCEPTANCE of the data. The following codes are used:

CODE	INSPECTION	ACCEPTANCE
SS	Source	Source
DD	Destination	Destination
SD	Source	Destination
DS	Destination	Source

If no applicable code is available for the data item, this block is marked as "N/A".

BLOCK 8 - APPROVAL CODE (APP CODE)

Indicates items of important data requiring specific advanced written approval, such as test plans, identified by placing an "A" in this field. These data may require submission of a preliminary draft prior to publication of a final document. When a preliminary draft is required, Block 16 must show the length of time for Government approval/disapproval and when final is to be delivered. Block 16 also indicates the extent of the approval requirements, eg, approval of technical content and format.

If advance approval is not required, this block is marked as "N/A".

BLOCK 9 - INPUT

Indicates if data are the integrated results of specific inputs from associated contractors by placing an "X" in this block. Otherwise the block is left blank.

BLOCK 10 - FREQUENCY

This block indicates the frequency of the delivered data. The following frequency codes are used:

ANPLY	Annually
ASGEN	As generated
ASREQ	As required
BI-MO	Every 2 months
BI-WK	Every 2 weeks
DAILY	Daily
MNTY	Monthly
ONE/R	One time with revisions
OTIME	One time
QRTLY	Quarterly
R/ASR	Revisions as required
SEMIA	Semi-annually
WKLY	Weekly

BLOCK 11 - AS OF DATE

For data items that are submitted only once, the "as of" date or associated constraint is indicated. The following abbreviations are used for the constraints:

ASGEN	As generated
ASREQ	As required
DACA	Days after contract award
MACA	Months after contract award
EOM	End of month
EOQ	End of quarter

If the as-of date is not applicable, leave this block blank.

BLOCK 12 - DATE OF 1ST SUBMISSION

The initial submission date or associated constraint for the 1st submission of the data item is indicated in this block using typical abbreviations as listed above under Block 11.

BLOCK 13 - DATE OF SUBSEQUENT SUBMISSION / EVENT

The date(s) of subsequent submission(s) or associated constraint(s) of the data item is indicated in this block. The abbreviations used for the constraints are as listed above under Block 11. If no subsequent submission or associated are not involved, this block is marked as "N/A".

BLOCK 14 - DISTRIBUTION AND ADDRESSEES

Indicates the addressees and the respective number of copies (hard copies and soft copies separately), for both the initial or original submissions (Sub-Block "Initial"), and for the final or subsequent submissions (Sub-Block "Final"), for which the data item is required.

Column A contains addresses. The number of initial hard and soft copies for each addressee (as applicable) is indicated in Column B – INITIAL – Hard Copy and Column B – FINAL – Soft Copy.

BLOCK 15 - TOTAL

Indicates the total number of copies (hard copies and soft copies separately) required for both the original submission and for the final submission.

A2.3 CDRL – Project Management Plan

CONTRACT DATA REQUIREMENTS LIST				DND Form 1413				
A. SYSTEM / ITEM DRPS				B. CONTRACT / RFP NUMBER W8486-184221				
C. SOW IDENTIFIER DRPS SOW		D. DATA CATEGORY Management Data		E. CONTRACTOR				
1. ITEM NUMBER CDRL DRPS-PM-001		2. TITLE OR DESCRIPTION OF DATA Project Management Plan (PMP)		3. SUBTITLE				
4. AUTHORITY (Data Item Number) DID DRPS-PM-001		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.2.1		6. REQUIRING OFFICE				
7. INSPECTION DD	9. INPUT	10. FREQUENCY R/ASR	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES				
8. APP CODE N/A		11. AS OF DATE N/A	13. DATE OF SUB SUBMISSION See Block 16	A. ADDRESS	B. COPIES			
					DRAFT		FINAL	
				Hard Copy	Soft Copy	Hard Copy	Soft Copy	
16. REMARKS Block 12: A draft PMP must be submitted for review within Five (5) calendar days after the Kick-off Meeting. Response Time: Comments on the PMP will be provided by Canada within five (5) calendar days of receipt. Block 13: The updated PMP, addressing the comments from Canada, must be submitted for acceptance within five (5) calendar days after the receipt of comments.				DND	1	1	1	1
				TA				
15. TOTAL				1	1	1	1	

A2.4 CDRL – Meeting Agenda

CONTRACT DATA REQUIREMENTS LIST				DND Form 1413				
A. SYSTEM / ITEM DRPS				B. CONTRACT / RFP NUMBER W8486-184221				
C. SOW IDENTIFIER DRPS SOW		D. DATA CATEGORY Management Data		E. CONTRACTOR				
1. ITEM NUMBER CDRL DRPS-PM-002		2. TITLE OR DESCRIPTION OF DATA Meeting Agenda		3. SUBTITLE				
4. AUTHORITY (Data Item Number) DID DRPS-PM-002		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.3.5.1.1		6. REQUIRING OFFICE				
7. INSPECTION DD	9. INPUT	10. FREQUENCY ASREQ	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES				
8. APP CODE N/A		11. AS OF DATE N/A	13. DATE OF SUB SUBMISSION See Block 16	A. ADDRESS	B. COPIES			
					DRAFT		FINAL	
				Hard Copy	Soft Copy	Hard Copy	Soft Copy	
16. REMARKS Block 12: The Meeting Agenda must be submitted for review no later than seven (7) calendar days prior to each meeting. Response Time: Comments on the Meeting Agenda, and additions and deletions of discussion items, will be provided by Canada no later than five (5) calendar days of receipt. Block 13: The revised Meeting Agenda addressing the comments from Canada must be tabled at the meeting.				PSPC CA		1		1
				DND TA		1		1
				DND PA		1		1
				15. TOTAL		3		3

A2.6 CDRL – Operator Manual

CONTRACT DATA REQUIREMENTS LIST				DND Form 1413				
A. SYSTEM / ITEM DRPS				B. CONTRACT / RFP NUMBER W8486-184221				
C. SOW IDENTIFIER DRPS SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR				
1. ITEM NUMBER CDRL DRPS-ILS-201		2. TITLE OR DESCRIPTION OF DATA Operator Manual		3. SUBTITLE				
4. AUTHORITY (Data Item Number) DID DRPS-ILS-201		5. CONTRACT REFERENCE ANNEX A - SOW Para. 4.2.1.1		6. REQUIRING OFFICE DND ILS Manager				
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES				
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUB SUBMISSION See Block 16	A. ADDRESS	B. COPIES			
					DRAFT		FINAL	
					Hard Copy	Soft Copy	Hard Copy	Soft Copy
16. REMARKS Block 12: The Contractor must provide a draft Operator Manual for review by Canada no later than fourteen (14) calendar days after the Kick off Meeting date. Response Time: Comments on the Operator Manual will be provided by Canada no later than seven (7) calendar days after receipt of draft submission. Block 13: The revised Operator Manual, addressing Canada's comments must be submitted for acceptance no later than fourteen (14) calendar days after the receipt of Canada's comments. Block 12 (Final): The Contractor must provide a draft Bilingual Operator Manual for review by Canada no later than twenty-eight (28) calendar days after the acceptance of the English Operator Manual. Response Time: Comments on the draft Bilingual Operator Manual will be provided by Canada no later than seven (7) calendar days after receipt of the submission. Block 13: The revised Bilingual Operator Manual, addressing Canada's comments must be provided to Canada for acceptance no later than fourteen (14) calendar days after the receipt of comments.				DND TA	1	1	1	1
				One with each DRPS			##	
				15. TOTAL	1	1	##	1

A2.7 CDRL – Initial Training Package

CONTRACT DATA REQUIREMENTS LIST				DND Form 1413					
A. SYSTEM / ITEM DRPS				B. CONTRACT / RFP NUMBER W8486-184221					
C. SOW IDENTIFIER DRPS SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR					
1. ITEM NUMBER CDRL DRPS-ILS-203		2. TITLE OR DESCRIPTION OF DATA Initial Training Package		3. SUBTITLE					
4. AUTHORITY (Data Item Number) DID DRPS-ILS-203		5. CONTRACT REFERENCE ANNEX A - SOW Para. 4.2.1.2		6. REQUIRING OFFICE DND ILS Manager					
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES					
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUB SUBMISSION See Block 16	A. ADDRESS		B. COPIES			
16. REMARKS <u>Block 12:</u> The Contractor must provide a draft Initial Training Package for review by Canada within the seven (7) calendar days following the acceptance of the English version of the Operator Manual. <u>Response Time:</u> Comments on the Initial Training Package will be provided by Canada no later than seven (7) calendar days after receipt of draft submission. <u>Block 13:</u> The revised Initial Training Package, addressing Canada's comments must be submitted for acceptance no later seven (7) calendar days after the receipt of Canada's comments. <u>Block 12 (Final):</u> The Contractor must provide a draft Bilingual Initial Training Package for review by Canada within the twenty-one (21) calendar days after the acceptance of the Bilingual Operator Manual. <u>Response Time:</u> Comments on the draft Bilingual Initial Training Package will be provided by Canada no later than seven (7) calendar days after receipt of the submission. <u>Block 13:</u> The revised Bilingual Initial Training Package, addressing Canada's comments must be provided to Canada for acceptance no later than seven (7) calendar days after the receipt of comments.									
				DND TA		1	1	1	1
15. TOTAL				1	1	1	1		

A2.8 CDRL – Top Level Assembly Drawing

CONTRACT DATA REQUIREMENTS LIST				DND Form 1413				
A. SYSTEM / ITEM DRPS				B. CONTRACT / RFP NUMBER W8486-184221				
C. SOW IDENTIFIER DRPS SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR				
1. ITEM NUMBER CDRL DRPS-ILS-208		2. TITLE OR DESCRIPTION OF DATA Supplementary Provisioning Technical Documentation		3. SUBTITLE				
4. AUTHORITY (Data Item Number) DID DRPS-ILS-208		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.3.2.2.1		6. REQUIRING OFFICE DND ILS Manager				
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES				
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUB-SUBMISSION See Block 16	A. ADDRESS	B. COPIES			
					DRAFT		FINAL	
					Hard Copy	Soft Copy	Hard Copy	Soft Copy
16. REMARKS Block 12: First Submission: The Contractor must provide a draft Top Level Assembly Drawing (TLAD) for review by Canada during the Kick-Off Meeting (Annex A – SOW para 3.3.2) Response Time: Comments on the TLAD will be provided by Canada no later than seven (7) calendar days after receipt of draft submission. Block 13: The revised TLAD, addressing Canada’s comments must be submitted for acceptance no later than seven (7) calendar days following receipt of comments from Canada				DND TA	1	1	1	1
				DSCO	0	1	0	1
				15. TOTAL	1	2	1	2

A2.9 CDRL – Identification Plates

CONTRACT DATA REQUIREMENTS LIST				DND Form 1413				
A. SYSTEM / ITEM DRPS				B. CONTRACT / RFP NUMBER W8486-184221				
C. SOW IDENTIFIER DRPS SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR				
1. ITEM NUMBER CDRL DRPS-ILS-210		2. TITLE OR DESCRIPTION OF DATA Identification Plates		3. SUBTITLE				
4. AUTHORITY (Data Item Number) DID DRPS-ILS-210		5. CONTRACT REFERENCE ANNEX A - SOW Para. 4.5		6. REQUIRING OFFICE DND ILS Manager				
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES				
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUB SUBMISSION See Block 16	A. ADDRESS	B. COPIES			
						DRAFT		FINAL
					Hard Copy	Soft Copy	Hard Copy	Soft Copy
16. REMARKS <u>Block 12 (Template)</u> . The Contractor must provide a draft Identification Plates design template for review by Canada no later than fourteen (14) calendar days after the Kick off Meeting date. <u>Response Time</u> : Comments on the Identification Plates design template will be provided by Canada no later than seven (7) calendar days after receipt of draft design submission. <u>Block 13</u> : The revised Identification Plates, addressing Canada's comments must be submitted for acceptance no later than fourteen (14) calendar days after the receipt of Canada's comments. <u>Block 12 (Final)</u> : The Contractor must provide all draft populated Identification Plate designs for review by Canada no later than fourteen (14) calendar days after acceptance of the Identification Plates template design. <u>Response Time</u> : Comments on the populated Identification Plate designs will be provided by Canada no later than seven (7) calendar days after receipt of draft submission. <u>Block 13</u> : The revised Identification Plates designs, addressing Canada's comments, must be submitted for acceptance no later than seven (7) calendar days after the receipt of Canada's comments.				DND TA	1	1	1	1
				15. TOTAL	1	1	1	1

A2.10 CDRL – Controlled Goods List

CONTRACT DATA REQUIREMENTS LIST				DND Form 1413				
A. SYSTEM / ITEM DRPS				B. CONTRACT / RFP NUMBER W8486-184221				
C. SOW IDENTIFIER DRPS SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR				
1. ITEM NUMBER CDRL DRPS-ILS-211		2. TITLE OR DESCRIPTION OF DATA Controlled Goods List		3. SUBTITLE				
4. AUTHORITY (Data Item Number) DID DRPS-ILS-211		5. CONTRACT REFERENCE ANNEX A - SOW Para. 4.6		6. REQUIRING OFFICE DND ILS Manager				
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES				
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUB SUBMISSION See Block 16	A. ADDRESS	B. COPIES			
						DRAFT		FINAL
					Hard Copy	Soft Copy	Hard Copy	Soft Copy
16. REMARKS <u>Block 12:</u> The Controlled Goods List must be submitted for evaluation and review no later than fourteen (14) calendar days following the kick-off meeting. <u>Response Time:</u> Comments on the Controlled Goods List will be provided by Canada within seven (7) calendar days of receipt of submission. <u>Block 13:</u> The revised Controlled Goods List, addressing the comments from Canada, must be submitted for acceptance within seven (7) calendar days of receipt of comments.				DND	1	1	1	1
				TA				
				15. TOTAL	1	1	1	1

A2.11 CDRL – Packaging Labels and Codes

CONTRACT DATA REQUIREMENTS LIST				DND Form 1413				
A. SYSTEM / ITEM DRPS				B. CONTRACT / RFP NUMBER W8486-184221				
C. SOW IDENTIFIER DRPS SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR				
1. ITEM NUMBER CDRL DRPS-ILS-212		2. TITLE OR DESCRIPTION OF DATA Packaging, Labels and Codes		3. SUBTITLE				
4. AUTHORITY (Data Item Number) DID DRPS-ILS-212		5. CONTRACT REFERENCE ANNEX A - SOW Para. 4.8		6. REQUIRING OFFICE DND ILS Manager				
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES				
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUB SUBMISSION See Block 16	A. ADDRESS	B. COPIES			
					DRAFT		FINAL	
					Hard Copy	Soft Copy	Hard Copy	Soft Copy
<p>16. REMARKS</p> <p><u>Block 12:</u> The Packaging, Labels and Codes must be submitted for evaluation and review within fourteen (14) calendar days after the Kick-off Meeting.</p> <p><u>Response Time:</u> Comments on Packaging, Labels and Codes will be provided by Canada within seven (7) calendar days of receipt of submission.</p> <p><u>Block 13:</u> The revised Packaging, Labels and Codes, addressing the comments from Canada, must be submitted for acceptance within seven (7) calendar days of receipt of comments.</p> <p>Revisions/Additions to the Packaging, Labels and Codes must also be provided once a range of spares are chosen from the RSPL (DRPS-ILS-206) by DND to support the equipment.</p>				DND TA	2	2	1	1
				Issued with DRPS One each	0	0	##	0
								15. TOTAL

A2.12 CDRL – Maintenance and Parts Handbook

CONTRACT DATA REQUIREMENTS LIST				DND Form 1413					
A. SYSTEM / ITEM DRPS				B. CONTRACT / RFP NUMBER W8486-184221					
C. SOW IDENTIFIER DRPS SOW		D. DATA CATEGORY Integrated Logistics Support		E. CONTRACTOR					
1. ITEM NUMBER CDRL DRPS-ILS-214		2. TITLE OR DESCRIPTION OF DATA Maintenance and Parts Handbook		3. SUBTITLE					
4. AUTHORITY (Data Item Number) DID DRSP-ILS-214		5. CONTRACT REFERENCE ANNEX A - SOW Para. 4.2.1.3		6. REQUIRING OFFICE DND ILS Manager					
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16	14. DISTRIBUTION and ADDRESSEES					
		11. AS OF DATE N/A	13. DATE OF SUB SUBMISSION See Block 16						
8. APP CODE A				A. ADDRESS		B. COPIES			
						DRAFT			
						FINAL			
				Hard Copy		Soft Copy			
				Hard Copy		Soft Copy			
16. REMARKS Block 12: The Contractor must provide a draft Maintenance and Parts Handbook for review by Canada no later than fourteen (14) calendar days after the Kick off Meeting date. <u>Response Time:</u> Comments on the Maintenance and Parts Handbook will be provided by Canada no later seven (7) calendar days after receipt of draft submission. Block 13: The revised Maintenance and Parts Handbook, addressing Canada's comments must be submitted for acceptance no later than twenty-one (21) calendar days after the receipt of Canada's comments. Block 12 (Final): The Contractor must provide a draft Bilingual Maintenance and Parts Handbook for review by Canada no later than twenty-eight (28) calendar days after the acceptance of the English Maintenance and Parts Handbook. <u>Response Time:</u> Comments on the draft Bilingual Maintenance and Parts Handbook will be provided by Canada no later than seven (7) calendar days after receipt of the submission. Block 13: The revised Bilingual Maintenance and Parts Handbook, addressing Canada's comments must be provided to Canada for acceptance no later than seven (7) calendar days after the receipt of comments.				DND TA		1	1	1	1
				Issued with DRPS One each		0	0	##	0
15. TOTAL				1	1	##	1		

A3.0 APPENDIX: DATA ITEM DESCRIPTION

A3.1 DID Item List

DID #	Title	CDRL #
DRPS-PM-001	Project Management Plan	DRPS-PM-001
DRPS-PM-002	Meeting Agenda	DRPS-PM-002
DRPS-PM-003	Meeting Minutes	DRPS-PM-003
DRPS-ILS-201	Operator Manual	DRPS-ILS-201
DRPS-ILS-203	Initial Training Package	DRPS-ILS-203
DRPS-ILS-208	Supplementary Provisioning Technical Documentation	DRPS-ILS-208
DRPS-ILS-210	Identification Plates	DRPS-ILS-210
DRPS-ILS-211	Controlled Goods List	DRPS-ILS-211
DRPS-ILS-212	Packaging, Labels and Codes	DRPS-ILS-212
DRPS-ILS-214	Maintenance and Parts Handbook	DRPS-ILS-214
DRPS-SE-101	Application for Spectrum Supportability	DRPS-SE-101

A3.2 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, the 101-199 series is reserved to Systems Engineering (SE) DIDs and the 201-299 series is reserved to Integrated Logistics Support (ILS) DIDs. The abbreviation codes used for the prefix are:

“PM” for Project Management
“SE” for Systems Engineering
“ILS” for Integrated Logistics Support

BLOCK 3 - DESCRIPTION

Provides a general description of the data content requirements.

BLOCK 4 - APPROVAL DATE

Indicates the date of the originator's approval of the DID.

BLOCK 5 - OFFICE OF PRIMARY INTEREST (OPI)

The office of primary interest for the review, acceptance and approval of the data item.

BLOCK 6 - GIDEP APPLICABLE

An “X” indicates that the data is to be submitted by a Government organization or the Contractor to the Government/Industry Data Exchange Program (GIDEP). Otherwise the block is left blank.

BLOCK 7 - APPLICATION / INTERRELATIONSHIP

Provides the application details and interrelationship of the data item to other DIDs or documents.

BLOCK 8 - ORIGINATOR

Indicates the originator's office responsible for the DID.

BLOCK 9 - APPLICABLE FORMS

Indicates all form associated with the DID.

BLOCK 10 - PREPARATION INSTRUCTIONS

Provides the preparation instructions, and format and content requirements for the data.

A3.3 DID – Project Management Plan

DATA ITEM DESCRIPTION		
DND Form 1409		
1. TITLE Project Management Plan (PMP)	2. IDENTIFICATION NUMBER DID DRPS-PM-001	
3. DESCRIPTION The Project Management Plan (PMP) is the top-level plan that describes the Contractor's strategy, plans, methodologies and processes for meeting the requirements of the Contract.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DCSEM 3-4	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 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 ANNEX A. Para. 3.2		
8. ORIGINATOR DND / DGLPEM / DCSEM #	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS		
10.1. FORMAT		
10.1.1. The PMP must be prepared in the Contractor's format.		
10.2. CONTENT		
10.2.1. The PMP must describe the management processes, administrative procedures and organizational structure that will be used to manage the Work of the Contractor. The PMP must further detail the practices and procedures for project scheduling, planning, organizing, directing, executing, 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:		
10.2.1.1. Overview:		
10.2.1.1.1. Purpose, Background, Scope and Objectives;		
10.2.1.1.2. Assumptions, Constraints and Risks;		
10.2.1.1.3. All Project Deliverables;		
10.2.1.1.4. Organization Summary; and		
10.2.1.1.5. Schedule Summary.		
10.2.1.2. Organization:		
10.2.1.2.1. Project Management Organizational Chart, consisting of internal and external organizations as it pertains to this Contract;		
10.2.1.3. Management Processes:		
10.2.1.3.1. Project Management Approach and Procedures;		
10.2.1.3.2. Schedule Control;		
10.2.1.3.3. Quality Assurance;		
10.2.1.3.4. Reporting;		
10.2.1.3.5. Communications;		
10.2.1.3.6. Risk Management (RM);		
10.2.1.3.7. Environmental, Health and Safety Issues Management;		
10.2.1.3.8. Information Management (IM); and		
10.2.1.3.9. Change Control Processes.		

A3.4 DID – Meeting Agenda

DATA ITEM DESCRIPTION		
DND Form 1409		
1. TITLE Meeting Agenda	2. IDENTIFICATION NUMBER DID DRPS-PM-002	
3. DESCRIPTION Meeting Agendas must set forth the venue and identify the discussion items to be covered at meetings.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DCSEM 3-4	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 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 ANNEX A. Para. 3.3.5.1.1		
8. ORIGINATOR DND / DGLEPM / DCSEM #	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS		
<ul style="list-style-type: none"> 10.1. FORMAT <ul style="list-style-type: none"> 10.1.1. The Meeting Agenda must be in the Contractor's format. 10.2. CONTENT <ul style="list-style-type: none"> 10.2.1. The Meeting Agenda must set forth the venue, identify all requirements and list the discussion items to be covered at the meeting. 10.2.2. Venue. The Meeting Agenda must address the venue as follows: <ul style="list-style-type: none"> 10.2.2.1. Meeting Identification Number; 10.2.2.2. Purpose; 10.2.2.3. Date, time and location; and 10.2.2.4. Attendees. 10.2.3. Discussion items. The Meeting Agenda must address the discussion items through the following sections: <ul style="list-style-type: none"> 10.2.3.1. Opening Remarks; 10.2.3.2. Agenda Review; 10.2.3.3. Review of Previous Minutes; 10.2.3.4. Opened Discussion Items; 10.2.3.5. New Discussion Items; 10.2.3.6. Review of Action Items; 10.2.3.7. Next Venue; and 10.2.3.8. Closing Remarks. 		

A3.5 DID – Meeting Minutes

DATA ITEM DESCRIPTION		
DND Form 1409		
1. TITLE Meeting Minutes	2. IDENTIFICATION NUMBER DID DRPS-PM-003	
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 DCSEM 3-4	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 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 ANNEX A. Para. 3.3.5.1.2		
8. ORIGINATOR DND / DGLEPM / DCSEM #	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS		
10.1. FORMAT		
10.1.1. The Meeting Minutes must be in the Contractor's format.		
10.2. CONTENT		
10.2.1. The Meeting Minutes must contain the detailed records of proceedings, discussions, decisions and action items from the meeting and be presented through the following sections:		
10.2.1.1. General – consisting of meeting identification number, purpose, date, time and location;		
10.2.1.2. Attendees, consisting of the organization each person represents, and the identification of the Chairperson(s);		
10.2.1.3. Opening Remarks;		
10.2.1.4. Status of the DRPS(s), if applicable to the purpose of the meeting;		
10.2.1.5. Support Performance Review, consisting of problems and issues, if applicable to the purpose of the meeting;		
10.2.1.6. Action Item Report - used to monitor issues, assign responsibility, direct action and track status, history, and progress, and must consisting of:		
10.2.1.6.1. Item #; date initiated; required action; assigned actionee; target completion date; cross-reference to all related action items.		
10.2.1.6.2. Action Item Report must be updated with each meeting and must consisting of:		
10.2.1.6.2.1. Action Item current status and the actual date completed;		
10.2.1.7. Next Venue;		
10.2.1.8. Closing Remarks;		

A3.6 DID – Operator Manual

DATA ITEM DESCRIPTION		
DND Form 1409		
1. TITLE Operator Manual	2. IDENTIFICATION NUMBER DID DRPS-ILS-201	
3. DESCRIPTION The Operator Manual contains all the essential information required to describe the safe and correct operative procedures and operator maintenance associated with the DRPS.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DCSEM 3-4	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 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 ANNEX A. Para. 4.2.1.1 and C-01-100-100/AG-005 <i>Acceptance of Commercial and Foreign Government Publications as Adopted Publications 1996-02-29.</i>		
8. ORIGINATOR DND ILS Technician	9. APPLICABLE FORMS	
10 PREPARATION INSTRUCTIONS 10.1 FORMAT 10.1.1 The Operator Manual must be prepared in the Contractor's format while being in full conformance with the above-stated issue of C-01-100-100/AG-005. 10.1.2 The National Defence Identification Number (NDID), provided to the Contractor by DND, must be placed on the top right corner of all the pages of the manual. 10.1.3 The accepted Operator Manual's hard copies must be: 10.1.3.1 furnished with resistant flexible covers; 10.1.3.2 printed on paper with these characteristics: 10.1.3.2.1 Weight: at least 90g/m ² (24 lb.); and, 10.1.3.2.2 Brightness: at least 96 10.1.3.3 Bound in a manner that will allow the manual to remain open on a flat surface at all the pages without pages flipping over inadvertently; and, 10.1.3.4 Of dimensions that will allow the Operator Manual to be packed in the DRPS's carrying case (see Appendix A1.0) without needing to be folded and otherwise distorted from flat. 10.2 CONTENT 10.2.1 The Operator portion of the manual must cover the following topics, and other judged pertinent by the Contractor: 10.2.1.1 General Description/Equipment Overview; 10.2.1.2 Pre-use testing/inspection; 10.2.1.3 Preparation and set up for use; 10.2.1.4 Use and operation; 10.2.1.5 Operator Maintenance; 10.2.1.6 Storage, preparation for travel, preservation, and handling procedures 10.2.1.7 Safety/Hazardous material issues; 10.2.2 The material covered in the sections above must be amplified by illustrations, line drawings, and high quality pictures as appropriate.		

10.3 ELECTRONIC FORMAT

- 10.3.1 The Operator Manual must be provided as a PDF file with searchable text that matches the printed publication's format and layout. Links, bookmarks and thumbnails are to be included in the PDF file. All references made to a specific paragraph, figure, appendix must be appropriately linked.
- 10.3.2 Viewing the PDF: pages, regardless of size, containing text and illustrations in landscape, must be rotated for electronic viewing and reading in landscape.
- 10.3.3 The Operator Manual PDF and its native file must be submitted on CD or DVD media and be labelled as follows:
 - 10.3.3.1 The project name: DRPS;
 - 10.3.3.2 The contract number: W8486-184221;
 - 10.3.3.3 The Subject Matter: Operator Manual;
 - 10.3.3.4 The DID number: DRPS-ILS-201;
 - 10.3.3.5 The Revision number; and,
 - 10.3.3.6 The date of delivery.

A3.7 DID – Initial Training Package

DATA ITEM DESCRIPTION		
DND Form 1409		
1. TITLE Initial Training Package	2. IDENTIFICATION NUMBER DID DRPS-ILS-203	
3. DESCRIPTION The Initial Training Package contains all the information required to teach the operation, maintenance and storage of the equipment.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DCSEM 3-4	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 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 ANNEX A. Para. 4.2.1.2.		
8. ORIGINATOR DND ILS Technician	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS		
<ul style="list-style-type: none"> 10.1. FORMAT <ul style="list-style-type: none"> 10.1.1. The Initial Training Package must be provided in MS PowerPoint Format. 10.2. CONTENT <ul style="list-style-type: none"> 10.2.1. The Initial Training Package must be provided in English and Canadian French, and must be broken into two (2) categories: Operator Training and Technician Training. 10.2.2. The Initial Training Package must consist of the training documentation as follow: <ul style="list-style-type: none"> 10.2.2.1. The training documentation is the material required for instruction and learning, this includes: <ul style="list-style-type: none"> 10.2.2.1.1. Lesson plan; and 10.2.2.1.2. Student handouts. 10.2.2.2. The following topics must be addressed in the content of the Operator Training package portion: <ul style="list-style-type: none"> 10.2.2.2.1. Equipment overview; 10.2.2.2.2. Pre-use testing/inspection; 10.2.2.2.3. Equipment set-up and deployment; 10.2.2.2.4. Use and operation (theory and practical); 10.2.2.2.5. Operator maintenance and care; 10.2.2.2.6. Operator Troubleshooting; 10.2.2.2.7. Storage, and preparation to travel; and 10.2.2.2.8. Safety - personnel, equipment safety issues and hazardous material issues. 10.2.2.3. The following topics must be addressed in the content of the Technician Training package portion: <ul style="list-style-type: none"> 10.2.2.3.1. System Equipment overview; 10.2.2.3.2. Pre-use testing/inspection; 10.2.2.3.3. Use and operation for maintenance purposes; 10.2.2.3.4. Troubleshooting and fault finding; 10.2.2.3.5. Preventive and Corrective maintenance procedures; 10.2.2.3.6. Special tools and test equipment; 10.2.2.3.7. Safety – personnel, equipment safety issues and hazardous material issues; and 10.2.2.3.8. Practical maintenance training. 10.2.3. The Initial Training Package must not introduce new information and procedures relative to the <i>Operator Manual</i> and <i>Maintenance and Parts Handbook</i>: they are the master documents on how to use and 		

maintain the DRPS.

10.3. ELECTRONIC FORMAT

10.3.1. The Initial Training Package in MS PowerPoint Format must be submitted on CD or DVD media, and be labelled as follows:

10.3.1.1. The project name: DRPS;

10.3.1.2. The contract number: W8486-184221

10.3.1.3. The Subject Matter: Initial Training Package;

10.3.1.4. The DID number: DRPS-ILS-203;

10.3.1.5. The Revision number;

10.3.1.6. The date of delivery.

A3.8 DID – Top Level Assembly Drawing

DATA ITEM DESCRIPTION		
DND Form 1409		
1. TITLE Top Level Assembly Drawing	2. IDENTIFICATION NUMBER DID DRPS-ILS-208	
3. DESCRIPTION The Top Level Assembly Drawing fully identifies and describes the main assembly that may be catalogued.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DCSEM 3-4	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 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 ANNEX A. Para. 4.3.1.1 and D-01-100-214/SF-000 and D-01-400-001/SG-000 section 7.4.		
8. ORIGINATOR DND ILS Technician	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS		
<p>10.1. FORMAT</p> <p>10.1.1. The Top Level Assembly Drawing (TLAD) Documentation must be prepared in black and white.</p> <p>10.1.2. The TLAD (Annex A, para 3.3.2.2.1) must consist of an Assembly Drawing (see D-01-400-001/SG-000 section 7.4 for further details) with attached parts lists, so that DND can ensure that the Provisioning Documentation reflects the current and complete configuration of the equipment being produced.</p> <p>10.2. CONTENT</p> <p>10.2.1. For item identification and cataloguing purposes, the technical data supplied for the TLAD must be sufficiently comprehensive to allow DND to classify and fully describe the item within the NATO codification system and must be cross-referenced to the applicable contract number.</p> <p>10.2.2. Key elements of good TLAD:</p> <ul style="list-style-type: none"> A. Is produced by the true manufacturer and displays its company logo or other info on the document. B. Lists characteristic data about the item. C. Clearly shows the item in question, either with a good quality photograph(s) or representative line drawing(s). <p>10.3. ELECTRONIC FORMAT</p> <p>10.3.1. The TLAD filenames must be in the following format: (MRN)_(NCAGE)_(item name).[file type extension]. (Please see D-01-100-214/SF-000 for definitions.)</p> <p>10.3.2. The TLAD, as a PDF, must be submitted on CD or DVD media, and be labelled as follows:</p> <ul style="list-style-type: none"> 10.3.2.1. The project name: DRPS; 10.3.2.2. The contract number: W8486-184221 10.3.2.3. The Subject Matter: TLAD; 10.3.2.4. The DID number: DRPS-ILS-208; 10.3.2.5. The Revision number; 10.3.2.6. The date of delivery. 		

A3.9 DID – Identification Plates

DATA ITEM DESCRIPTION		
DND Form 1409		
1. TITLE Identification Plates	2. IDENTIFICATION NUMBER DID DRPS-ILS-210	
3. DESCRIPTION The Identification Plates uniquely identify equipment and components and spares based on the procedures governing the identification marking of Canadian military property.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DCSEM 3-4	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 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 ANNEX A. Para. 4.5 and D-02-002-001/SG-001 and D-01-400-002/SF-000.		
8. ORIGINATOR DND ILS Technician	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS		
<p>10.1. In accordance with D-02-002-001/SG-001, the Identification Plates affixed to each item included in Annex A SOW para 4.5.2 must be of size, format, and construction appropriate for the item being identified, and contain the data required for those Identification Plate formats in both official languages.</p> <p>10.2. Prior to the production and installation of the Identification Plates, representative Level 2 drawings (see D-01-400-002/SF-000) of each Identification Plate must be submitted to DND for review and acceptance as follows:</p> <p style="margin-left: 20px;">10.2.1. In soft copy in PDF format as described in 10.3 below;</p> <p style="margin-left: 20px;">10.2.2. In 1:1 scale hard copy, on white bond paper of standard North American size; and,</p> <p style="margin-left: 20px;">10.2.3. The drawings must include the mounting or installation method for each Identification Plate, with any fasteners described by size, and/or technical standard, and/or NSN, and quantity.</p> <p>10.3. ELECTRONIC FORMAT</p> <p style="margin-left: 20px;">10.3.1. Viewing the PDF: pages, regardless of size, containing text or illustrations in landscape, must be rotated for electronic viewing and reading in landscape.</p> <p style="margin-left: 20px;">10.3.2. The Identification Plates drawings in PDF and its native file format must be submitted on CD or DVD media, which must be labelled as follows:</p> <p style="margin-left: 40px;">10.3.2.1. The project name: RFD;</p> <p style="margin-left: 40px;">10.3.2.2. The contract number: W8486-184221</p> <p style="margin-left: 40px;">10.3.2.3. The Subject Matter: <i>Identification Plates</i>;</p> <p style="margin-left: 40px;">10.3.2.4. The DID number: (RFD-ILS-209)</p> <p style="margin-left: 40px;">10.3.2.5. The Revision number;</p> <p style="margin-left: 40px;">10.3.2.6. The date of delivery.</p>		

A3.10 DID – Controlled Goods List

DATA ITEM DESCRIPTION		
DND Form 1409		
1. TITLE Controlled Goods List	2. IDENTIFICATION NUMBER DID DRPS-ILS-211	
3. DESCRIPTION The Controlled Goods List identifies if the end item, components and sub-components of the DRPS that are specifically designed and modified for military purpose, and not spared as Controlled and Non-Controlled Goods to facilitate the production of Demilitarization Instructions. For items of US and Canadian origin, Demilitarization Code (DMC) will be provided in the form of a list.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DCSEM 3-4	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 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 ANNEX A. Para. 4.6.		
8. ORIGINATOR DND ILS Technician	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS		
<p>10.1. FORMAT</p> <p>10.1.1. The Controlled Goods list must be in a format of a MS Excel spreadsheet with 5 columns:</p> <ul style="list-style-type: none"> 10.1.1.1. Item name; 10.1.1.2. Ref para for Canadian origin items (ECL); 10.1.1.3. Ref para for US origin controlled goods (USML); 10.1.1.4. Demilitarization Code (DMC) 10.1.1.5. Remarks. <p>10.2. CONTENT</p> <p>10.2.1. The Controlled Goods list must be filled in the spreadsheet accordingly with the following instructions:</p> <ul style="list-style-type: none"> 10.2.1.1. For Canadian origin items, Canada's Export Control List (ECL) articles that apply in accordance with the Defence Product Act (DPA); 10.2.1.2. For US origin dual use, the Export Control Classification Number (ECCN) of the Commerce Control List that applies; 10.2.1.3. For US origin controlled goods also known as defence articles, the United States Munitions List (USML) Category and paragraph that apply in accordance with the International Traffic in Arms Regulations (ITAR);and 10.2.1.4. For all other countries other than Canada and the USA, the category and article of the Wassenaar Control List that applies. <p>10.3. ELECTRONIC FORMAT</p> <p>10.3.1. The Controlled Goods List must be submitted on CD or DVD media, and be labelled as follows:</p> <ul style="list-style-type: none"> 10.3.1.1. The project name: DRPS; 10.3.1.2. The contract number: W8486-184221 10.3.1.3. The Subject Matter: Controlled Goods List; 10.3.1.4. The DID number: DRPS-ILS-211; 10.3.1.5. The Revision number; 10.3.1.6. The date of delivery. 		

A3.11 DID – Packaging, Labels and Codes

DATA ITEM DESCRIPTION		
DND Form 1409		
1. TITLE Packaging, Labels and Codes	2. IDENTIFICATION NUMBER DID DRPS-ILS-212	
3. DESCRIPTION The Packaging, Labels and Codes ensures that the labelling used to identify packages for items procured by DND and shipped to and stored at a Canadian facility comply with CAF Specifications and to obtain a complete record of packaging codes for catalogued items of the DRPS.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DCSEM 3-4	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 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 ANNEX A. Para. 4.8 and: <ul style="list-style-type: none"> • D-LM-008-011/SF-001: Preparation and Use of Packaging Requirements Codes, 1988-11-10; • D-LM-008-002/SF-001: Specification for Marking for Storage and Shipment, 1991-08-01; • D-01-400-002/SF-000: Levels of Engineering Drawings and Associated Lists, 2011-03-01. 		
8. ORIGINATOR DND ILS Technician	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS <p>10.1. The design, populated with the appropriate data, of each Packaging Label must be provided as Level 1 engineering drawings (as defined in D-01-400-002/SF-000) dimensioned to show the measurements as defined by D-LM-008-002/SF-001 (example: text size, bar code dimensions).</p> <p>10.2. The Packaging Codes prepared from D-LM-008-011/SF-001 for the Packaging Labels for each item must be compiled into a spreadsheet containing the following columns of data, titled as below:</p> <ul style="list-style-type: none"> 10.2.1. Item Name – as given by the Contractor; 10.2.2. Manufacturer’s Reference Number (MRN) – Source manufacturer’s part number; 10.2.3. NCAGE – Source Manufacturer’s NCAGE; 10.2.4. OEM part number – Part number assigned by Contractor; 10.2.5. NATO Nomenclature – Item name as assigned by NATO; 10.2.6. NATO Stock Number; 10.2.7. Packaging Code – as resolved by the Contractor; 10.2.8. Label Number – cross-referenced with the label drawing number from 10.1 above. <p>10.3. DELIVERY FORMAT</p> <p>10.3.1. Hard Copy: must be on letter, legal, or 11” x 17” white bond paper, as appropriate for good legibility.</p> <p>10.3.2. Soft Copy:</p> <ul style="list-style-type: none"> 10.3.2.1. Label Drawings: as text-searchable PDF files, rotated as appropriate to permit normal viewing on-screen. 10.3.2.2. Packaging Codes spreadsheet: <ul style="list-style-type: none"> 10.3.2.2.1. As a text-searchable PDF file, rotated as appropriate to permit normal viewing on-screen; and, 10.3.2.2.2. As a MS Excel format spreadsheet. 10.3.2.3. All files must be submitted on CD or DVD media, and be labelled as follows: <ul style="list-style-type: none"> 10.3.2.3.1. The project name: DRPS; 10.3.2.3.2. The contract number: W8486-184221 		

- | | |
|-------------|---|
| 10.3.2.3.3. | The Subject Matter: Packaging Labels and Codes; |
| 10.3.2.3.4. | The DID number: DRPS-ILS-212; |
| 10.3.2.3.5. | The Revision number; |
| 10.3.2.3.6. | The date of delivery. |

A3.12 DID – Maintenance and Parts Handbook

DATA ITEM DESCRIPTION		
1. TITLE Maintenance and Parts Handbook	2. IDENTIFICATION NUMBER DRPS-ILS-214	
3. DESCRIPTION The Maintenance and Parts Handbook for the DRPS will allow a trained technician to effectively maintain and identify parts of the DRPS in order for it to be operable to its utmost capabilities.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DCSEM 3-4	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Maintenance and Parts Handbook as required by Annex A of the SOW, Para 4.2.1.3.1 ; and <ul style="list-style-type: none"> • D-01-100-205/SF-000 <i>Specification for Preparation of Corrective Maintenance Instruction</i>; • D-01-100-204/SF-000 <i>Specification for Preparation of Preventive Maintenance Instructions</i>; • C-01-100-100/AG-005 <i>Acceptance of Commercial and Foreign Government Publications as Adopted Publications</i> • DID DRPS-ILS-202: <i>Operator Manual</i> 		
8. ORIGINATOR DRPS TA	9. APPLICABLE FORMS N/A	
10 PREPARATION INSTRUCTIONS		
10.1 FORMAT		
10.1.1 The Maintenance and Parts Handbook must be prepared in the Contractor's format and must be in full conformance with the above-stated issue of C-01-100-100/AG-005.		
10.1.2 The accepted Maintenance and Parts Handbook's hard copies must be:		
10.1.2.1 Furnished with resistant flexible covers;		
10.1.2.2 Printed on paper with these characteristics:		
10.1.2.2.1 Weight: at least 90g/m ² ; and,		
10.1.2.2.2 Brightness: at least 96; and,		
10.1.2.3 Bound in a manner that will allow the manual to remain open while on a flat surface at all pages without pages flipping over inadvertently.		
10.2 CONTENT		
10.2.1 Maintenance		
10.2.1.1 The scope of the Maintenance portion of the Maintenance and Parts Handbook must cover all DRPS maintenance and repair tasks not already covered in the Operator Manual.		
10.2.1.2 The Maintenance topics must consist of:		
10.2.1.2.1 General Description/Equipment Overview;		
10.2.1.2.2 Pre-maintenance procedures to safety the DRPS;		
10.2.1.2.3 Troubleshooting and testing;		
10.2.1.2.4 Basic diagnosis and fault finding;		
10.2.1.2.5 Adjustments, maintenance and repairs grouped IAW section 10.2.1 above, and presented IAW D-01-100-205/SF-000 and D-01-100-204/SF-000;		
10.2.1.2.6 Safety/Hazardous material issues;		
10.2.1.3 The material covered in 10.2.1 above must be amplified by illustrations, line drawings, and good quality pictures as appropriate.		

10.2.2 **Parts Handbook:** The Maintenance and Parts Handbook must have an Illustrated Parts List (IPL) section. This IPL must contain all the necessary information to positively identify and relate, to each other, all the parts of the DRPS that are procurable and those involved in all maintenance tasks outlined in 10.2.1 above. This information must consist of:

10.2.2.1 Drawings of the parts and assemblies: line drawings and exploded views in black and white only; and,

10.2.2.2 Corresponding table(s) containing:

10.2.2.2.1 Item Number (callout in the drawing(s));

10.2.2.2.2 Item Name;

10.2.2.2.3 Manufacturer's Part Number;

10.2.2.2.4 Manufacturer's NCAGE code;

10.2.2.2.5 Contractor's Part Number (CPN), if the Contractor is not the original Manufacturer;

10.2.2.2.6 NATO Stock Number (NSN), if known; and,

10.2.2.2.7 Quantity per Assembly (QPA).

10.3 ELECTRONIC FORMAT

10.3.1 The Maintenance and Parts Handbook must be submitted in its native file format and as a PDF file with searchable text that matches the printed publication's format and layout. Links, bookmarks and thumbnails are to be included in the PDF file. All references made to a specific paragraph, figure, and appendix must be appropriately linked.

10.3.2 Viewing the PDF version: pages, regardless of size, containing text and illustrations in landscape, must be rotated for electronic viewing and reading in landscape.

10.3.3 The Maintenance and Parts Handbook must be submitted on CD or DVD media, and be labelled as follows:

10.3.3.1 The project name: DRPS;

10.3.3.2 The contract number: W8486-184221

10.3.3.3 The Subject Matter: Maintenance and Parts Handbook;

10.3.3.4 The DID number: DRPS-ILS-214;

10.3.3.5 The Revision number; and,

10.3.3.6 The date of delivery.

A3.13 DID – Application for Spectrum Supportability

DATA ITEM DESCRIPTION		
DND Form 1409		
1. TITLE Application for Spectrum Supportability	2. IDENTIFICATION NUMBER DID DRPS-SE-101	
3. DESCRIPTION This Application for Spectrum Supportability document (DND form 552) describes the general wireless equipment usage as well as the transmitter, antenna and receiver equipment characteristics of the system that is provided.		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST DCSEM 3-4	6. GIDEP APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP This DID contains the format, content and preparation instructions for the Application for Spectrum Supportability as required by Annex A SOW. Para 3.3.6.		
8. ORIGINATOR DRPS TA	9. APPLICABLE FORMS N/A	
10. PREPARATION INSTRUCTIONS		
10.1 DETAILED REQUIREMENTS		
10.1.1 The Application for Spectrum Supportability must be completed and provided in accordance with the requirements as outlined in ANNEX D Application for Spectrum Supportability of this Contract.		
10.1.2 The following sections must be completed:		
10.1.2.1 Part 1, Block 1 – Equipment Nomenclature and/or Model Number;		
10.1.2.2 Part 2 – Transmitter Equipment Characteristics;		
10.1.2.3 Part 3 – Receiver Equipment Characteristics, and		
10.1.2.4 Part 4 – Antenna Equipment Characteristics.		
10.1.3 The values entered on the DND 552 forms must be measured values.		
10.1.4 Where equipment is developmental, specified values may be substituted for measured values, and so indicated on the forms. If the proposed equipment is in use by the United States military it may already have a US Department of Defence (DoD) Form 1494. If available, a DoD 1494 form will be accepted by DND in lieu of a DND 552.		

TECHNICAL PROPOSAL REQUIREMENTS
AND BID EVALUATION
FOR DIRECT RADIOGRAPHY PANEL SYSTEM

TABLE OF CONTENTS

1.0 General 3
1.1 Introduction 3
2.0 Technical Proposal Requirements 3
2.1 Responding to Evaluation Criteria 3
2.2 Compliance Method 3
3.0 Bid Evaluation 4
3.1 Bid Selection Methodology 4
3.2 Technical Evaluation of Compliance 4
3.3 Evaluation of Key Mandatory Requirements 5

1.0 General

1.1 Introduction

- 1.1.1 This document is split into two parts and defines the criteria that will be used to determine the winning bid for the procurement of the DRPS.
 - 1.1.1.1 The first part, Technical Proposal Requirements, defines the required information or samples from the bidders for their proposal to be evaluated.
 - 1.1.1.2 The second part, Bid Evaluation, defines the evaluation process Canada will undertake, and describes the Evaluation Trial tests and items that will be evaluated.

2.0 Technical Proposal Requirements

2.1 Responding to Evaluation Criteria

- 2.1.1 For each listed requirement, the bidder must provide a response in the Bidder's Response/References" column in 3.3 Evaluation of Key Mandatory Requirements to clearly explain how the requirement is met, either by including the specific reference to indicate where in their proposal the information is found or including the complete response directly in that column.
- 2.1.2 Bidders must provide the information required for each listed requirement in accordance with the method identified in the "Compliance Documentation Required" column of 3.3 Evaluation of Key Mandatory Requirements of ANNEX C.

2.2 Compliance Method

- 2.2.1 The following compliance methods, as indicated in the "Compliance Documentation Required" column of 3.3 Evaluation of Key Mandatory Requirements, define the information required from the bidders against each requirement:
 - 2.2.1.1 Test Report (TR) - Where "Test Report" is identified in the "Compliance Documentation Required" column, the bidder must provide a completed and detailed Test Report, including test procedures, data and results, for tests conducted on the equipment offered, to confirm it fully complies with the requirement.
 - 2.2.1.2 Compliance Statement (CS) - Where "Compliance Statement" is identified in the "Compliance Documentation Required" column, the Bidder must describe in detail how the equipment offered fully complies with the requirement. Supporting documentation is requested but not essential.

3.0 Bid Evaluation

3.1 Bid Selection Methodology

- 3.1.1 It is Canada's desire to achieve an optimal capability at lowest possible cost. Therefore, a "Lowest Cost Compliant" approach will be employed for this acquisition process, and selection of the winning proposal will be based on the proposed lowest cost provided that the proposal meets all mandatory requirements.
- 3.1.2 PSPC Contracting Authority (CA) will screen the bids for completeness, misplaced financial information and compliance with the general terms and conditions. The technical section of the compliant bids will then be provided to the Bid Evaluation Team for evaluation of technical compliance.
- 3.1.3 All valid bids will be evaluated against key mandatory requirements, detailed in this Annex B, based on the Bidder's supplied information and the evaluation trial results in order to determine technical compliance.

3.2 Technical Evaluation of Compliance

- 3.2.1 Phase 1: Evaluation of Key Mandatory Requirements
 - 3.2.1.1 The evaluation team will use the bidder's submitted proposal to determine compliance against key mandatory requirements. See 3.3 Evaluation of Key Mandatory Requirements for more details.

3.3 Evaluation of Key Mandatory Requirements

Serial	Requirement Reference	Requirement Criteria	Compliance Documentation Required		Bidder's Response/Reference	Compliance (This column for the bid evaluation team only)
			CS- Compliance Statement	TR- Test Report		
M1	Annex A - A1.1.1.2	The DRPS must be based on proven, fielded equipment, which is in-service with a North Atlantic Treaty Organization (NATO) or American, British, Canadian, Australian (ABCA) military partner or police agency of those countries.	CS			"C" "NC"
M2	Annex A - A1.1.1.3	<p>The DRPS must consist of the following components, and is further described in detail under section A1.2:</p> <ul style="list-style-type: none"> • One (1) Digital Radiography (DR) Panel; • Two (2) DR Panel Support Structures; • Imaging Software; • One (1) Ruggedized Tablet. • One (1) Battery Charging System and documentation; and • One (1) Hard Transport Container for the above components. 	CS			
M3	Annex A - A1.1.2.1	The DRPS must be easily transportable with no more than 10 minutes preparation time by a trained operator.	CS			

M4	Annex A - A1.1.2.2	The DRPS must be transportable by fixed and rotary wing aircraft, cargo ships, rail, and commercial and military wheeled vehicles on highways and cross-country.	CS		
M5	Annex A - A1.2.1.2	The DR Panel must be of the Direct Radiography type without any moving parts.	CS		
M6	Annex A - A1.2.1.3	The DR Panel must use the Golden Engineering XRS-3 (NSN 01-608-7857) that is in-service with DND as a source to generate the X-rays.	CS		
M7	Annex A - A1.2.1.4	The DR Panel must include both wireless and wired operation.	CS		
M8	Annex A - A1.2.2.1	The DR Panel Support Structure must allow for the DR Panel to be positioned and held securely next to the object being X-rayed.	CS		
M9	Annex A - A1.2.3.6.1	The Imaging Software must save (including export) images to the database in TIFF, JPEG, and BMP formats, as selected by the user.	CS		
M10	Annex A - A1.3.1.1	The DR Panel must not exceed 10kg.	TR		
M11	Annex A - A1.3.2.1	The DR panel must have an imaging size of no less than 400mm by 350mm.	TR		
M12	Annex A - A1.3.2.2	The DR panel must be no more than 550mm by 550mm by 50mm in size.	TR		
M13	Annex A - A1.4.1.1	The DRPS must have an analog to digital conversion range of at least 16 bits.	TR		
M14	Annex A - A1.4.1.2	The DR Panel must provide an image with a resolution of no more than 140 micrometers with a tolerance of 10 micrometers (140 μm +10 μm).	TR		

M15	Annex A - A1.4.2.1	The DRPS must provide an image in no more than 10 seconds from the time the DR Panel is exposed to X-rays.	TR		
M16	Annex A - A1.4.3.1.2.2	The DR Panel must have a range of no less than 50m in the wireless link mode from the panel to the tablet.	TR		
M17	Annex A - A1.4.3.1.3	The DRPS must operate within either the commercial 2.4 GHz or 5 GHz bandwidth in the wireless link mode.	CS		
M18	Annex A - A1.4.4.1	The DRPS must be setup from the storage configuration to the fully operable configuration in no less than 10 minutes by a trained operator.	CS		
M19	Annex A - A1.4.4.2	The DR Panel must have a built-in rechargeable battery providing no less than two (2) hours of operation, assuming a minimum of five (5) scans and no more than 30 scans in the two (2) hours.	CS		
M20	Annex A - A1.5.1.1	The DRPS must operate in temperatures from -19°C to +44°C.	CS		
M21	Annex A - A1.5.1.2	The DRPS must operate in relative humidity from 5% to 100%	CS		
M22	Annex A - A1.5.1.3	The DRPS must operate after being stored for no less than eight (8) hours in temperatures from -20°C to +50°C.	CS		
M23	Annex A - A1.5.1.4	The DR Panel must have no less than an IP53 rating, or equivalent, IAW NEMA IEC 60529.	CS		
M24	Annex A - A1.5.1.5	The DR Panel must remain fully functional when dropped from a height of no less than 100 centimeters, impacting a rigid surface, and dropped in any orientation.	CS		

