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Gatineau
Québec
K1A 0S5
Bid Fax: (819) 997-9776

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 Search and Removal Equipment Suite	
Solicitation No. - N° de l'invitation W8476-112761/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client W8476-112761	Date 2013-03-07
GETS Reference No. - N° de référence de SEAG PW-\$\$QF-101-23418	
File No. - N° de dossier 101qf.W8476-112761	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-04-03	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Michael Rancourt	Buyer Id - Id de l'acheteur 101qf
Telephone No. - N° de téléphone (819) 956-3930 ()	FAX No. - N° de FAX (819) 956-5650
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: See Herein	

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

This Solicitation Amendment 003 is raised to:

- 1) extended the bid Solicitation closing date. As such, the following change is hereby incorporated into the solicitation:

DELETE 2013-03-18 02:00 PM Eastern Daylight Savings Time (EDT)

INSERT 2013-04-03 02:00 PM Eastern Daylight Savings Time (EDT)

- 2) answer Bidder questions raised during the solicitation period:

Question 1

The question is as follows :

Given that the contractual objective of this RFP is to procure a suite of search and removal equipment that has been selected as most suitable based upon a Bidder's prior experience and knowledge in equipment, training and operations (indeed the scenarios requirement of the RFP is designed to test an articulation of this knowledge and expertise) how will the Crown determine that this knowledge and expertise is held by a bidder's proposed trainer or reflected in a bidder's past training courses as the requirement presently asks for only 'EOD and IED disposal' experience which may or may not contain experience in the equipment and procedural or indeed even in training? Would the Crown consider specifying further within Table 2, Bidder Training Experience and References, page B-15/16, "EOD and IED Disposal experience" including a minimum of 5 years of "equipment and procedures in a training role" to be reflected in both the resource and training course components? Further would the Crown consider establishing a minimum compliance benchmark to require providing at least 3 years of "procedural" training reflected both in the resource and training courses in order to ensure that the successful Bidder possesses at least some expertise in procedural training as well as equipment training? If not the result may be that the contracted entity possesses resources with skills and expertise in equipment but not procedures, or indeed no training experience at all based on current evaluation criteria and minimum requirements.

The answer is as follows :

DND understands the bidder's concern with regards to the quality of the training staff and procedural experience. DND feels that this risk can be reduced by the availability of highly experienced training staff employed at the CF training schools that will be involved in the final training course delivery to the users. As such, DND will not agree to the proposed changes to the requirements in Annex B page 15/16.

Question 2

The question is as follows :

It is our understanding that there is a minimal compliancy benchmark of 50% of the overall 30 marks for training and experience, 50% of the overall 80 marks for scenarios and 50% overall for the bid as a whole. Given this understanding would the Crown consider the following:

- a) Increasing the minimal compliancy for training and experience to include obtaining 50% in each of the 3 evaluated areas of trainer, training courses and equipment contracts? If not the Crown may obtain the result of contracting with an entity who has training experience but who has no past performance in successfully delivering Search and Removal equipment to military or police organizations, or alternatively, who have delivered on equipment contracts but who have not provided training, procedural or otherwise, on said equipment?
- b) Increasing the overall minimum compliancy for the bid to 70% as the minimum compliancy of 50% overall is implicit by achieving a minimum of 50% the two larger aspects of the rated criteria as 70% is common in evaluation frameworks for such significant procurements in order to ensure an appropriate level of technical merit is achieved with which to further assess against value for money criteria?

The answer is as follows :

There will be no change to the evaluation criteria. The SRES evaluation format allows for a fair and open competitive process while ensuring Canada receives best value for the SRES requirement through a combination of cost and technical merit.

Question 3

The question is as follows :

Would the Crown kindly consider adjusting some of the interim CDRLs first draft delivery due dates from KOM + 14 calendar days to KOM + 42 calendar days as follows:

- a) CDRL SRES-ILS-211 Identification Plates
- b) CDRL SRES-ILS-205 Interim Spares List

These revised dates would have no impact on the downstream milestone delivery dates as already stated in the RFP.

The answer is as follows :

DND will agree to extending the first draft delivery due date for CDRL SRES-ILS-211 Identification Plates to twenty-eight (28) calendar days after the Kick-off Meeting.

DND will still require the first draft delivery due date for CDRL SRES-ILS-205 Interim Spares List to be for fourteen (14) calendar days after the Kick-off Meeting.

As a result of the answer provided, the following changes have been made to Annex A - Appendix 3, Contract Data Requirements List for the SRES:

- 1) DELETE** "fourteen (14) calendar days," from ILS-211 information block 16 of Annex A - Appendix 3, Contract Data Requirements List for the SRES; and

REPLACE the deleted text above with "twenty-eight (28) calendar days."

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Amd. No. - N° de la modif.

003

Buyer ID - Id de l'acheteur

101qf

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

W8476-112761

File No. - N° du dossier

101qfW8476-112761

CCC No./N° CCC - FMS No/ N° VME

-
- 2) INSERT** the newly revised Annex A - Appendix 3, Contract Data Requirements List for the SRES (Dated 28 Feb 2013), reflecting these changes, attached herein.

Question 4

The question is as follows :

Based on the requirement to provide 4 different Equipment kits each comprised of multiple components, and the EOD Hand truck (with any additional required items), as identified in 3.1.2.1 - 3.1.2.6, can the Crown confirm that there will be an expectation to provide, as a minimum, a quantity of 210 Transport cases? This is based on a minimum of 1 transport case per Equipment kit multiplied by 42 sets of equipment.

The answer is as follows :

As the EOD Equipment Hand Truck itself does not require a hard transport container, the minimum quantity of hard transport containers is 168 (4 x 42). This minimum assumes the EOD Equipment Hand Truck does not have any additional required items that are shipped separately.

Question 5

The question is as follows :

Are the 200 sets of extra consumables expected to be delivered in their own Transport case, or is the expectation to include an equal number of sets with each Search / Investigation kit (i.e. approx. 5 consumable sets per kit)?

The answer is as follows :

The two hundred (200) sets of extra consumables for Post blast analysis equipment do not need to be provided within a hard transport container(s).

One (1) set will be provided within the SRES, specifically within each of the forty-two (42) Search/Investigation Equipment Kits, which are in hard transport container(s), and these sets will be replenished when needed from the two hundred (200) sets of extra consumables for Post blast analysis equipment that will be kept at the CF depot.

Question 6

The question is as follows :

3.2.2.1 states that "The SRES shall be designed so that the various components shall work together without any modifications;". Since most of these items appear to be stand-alone items can you provide a description of the components referred to and what interactions / connections are expected

The answer is as follows :

The SRES kits provided by each Bidder are likely different, and expected to have unique attributes that make it impossible to provide a list of the components and what interactions / connections are expected.

Each Bidder will need to consider how their non-stand-alone components interact to meet this design requirement.

DND can provide the following example to further clarify: If the Hook and line equipment component (Annex A SOW 3.3.15) includes a length of rope line, this rope line shall also operate with the Heavy-duty (Annex A SOW 3.3.17) or Light-duty tripod (Annex A SOW 3.3.18), depending on the load rating of the rope line.

Question 7

The question is as follows :

3.2.2.2 states that "The SRES shall be designed for fast viewing and selection of available tools and equipment, as well as replacement and mustering of those tools after an operation;". Does this mean a case design (i.e. die-cut inserts) that facilitates easy viewing of components as the user unpacks them or does it require some ability to lay everything out on a table / ground for quick viewing?

The answer is as follows :

DND expects the design will allow for fast viewing and selection, where components and sub-components are not stored loose or mixed together within their respective hard transport containers.

Question 8

The question is as follows :

3.3.1.1 states that "Search endoscope shall be no more than 12mm in diameter;". Larger diameter endoscopes typically have brighter optics and better illumination characteristics but have access limitations. Smaller endoscopes have better access but less illumination intensity and less-bright optics. Is there a preference?

The answer is as follows :

DND's requirement is that the Search endoscope be no more than 12mm in diameter. A larger diameter shall not be accepted.

Question 9

The question is as follows :

3.3.1.2 states that "Search endoscope shall be at least 30cm in length, and no more than 1m;". Is there a preference for a rigid or flexible endoscope? Note that a rigid endoscope 1m long can be extremely cumbersome to use, though they do have a place in certain applications (not necessarily EOD related).

The answer is as follows :

DND does not have a preference between a rigid or flexible endoscope. The Bidders solution must meet at a minimum the specifications provided in Annex A Statement of Work for SRES.

Question 10

The question is as follows :

There are several additional missing details related to the endoscope specification:

- a) On what metrics will the endoscope be evaluated?
- b) Is there a particular range of viewing distances?
- c) Is there a preference for field of view (FoV)? Narrow FoV optical systems are good at providing magnification, whether for viewing detail or looking at longer distances. Wide FoV optical systems are better for viewing areas that are at very close distances.
- d) Is there a requirement for a variable direction of view? There are rigid swivel-prism borescopes that have a movable prism in the tip allowing for a rigid probe with a variable direction of view. There are flexible borescopes that have 2 or 4-way tip angulation that can be useful in scanning a region of interest. Additionally, there are both rigid and flexible borescopes that have interchangeable objective lenses that provide side and direct viewing options with various FoV characteristics.

The answer is as follows :

DND does not have additional requirements than those that are provided in Annex A SOW 3.3.1. The Bidders solution must meet at a minimum the specifications provided in Annex A Statement of Work for SRES.

Question 11

The question is as follows :

3.3.1.4.1 states that the mirror must not be longer than 50cm in order to fit in a field pack. Our question is around deployment configuration. Is this SRES a unified kit for field deployment or will all the various parts be used as stand-alone capabilities? If there are subsets of equipment to be deployed together, what will these subsets of equipment consist of? Referencing 3.2.2.2 above, there is an impact on pack/case design as well. We also note that a number of mirror components are described which would appear to be redundant if deployed with the search camera equipment described under 3.3.3.

The answer is as follows :

Depending on the task or threat, users of the SRES kits will select the required components or sub-components necessary to complete their mission. As Annex A SOW 3.2.2.2 states, the ability for fast viewing and selection is required for this reason.

Users will then likely move the components or sub-components into their field packs; possibly removing them from the Bidder's provided case(s), depending on the cases' size and bulk. When the user returns, they will put the components and sub-components back into the Bidder's provided cases and perform mustering.

DND requires both mirror search equipment and video search equipment.

Question 12

The question is as follows :

3.3.1.5.1.2 indicates that the battery pack is not to be included. We are not clear on what this means; i.e. there needs to be a system component to hold the COTS alkaline batteries described in the previous section. Can you please confirm that you do not want the battery pack that holds the disposable batteries described.

The answer is as follows :

Users of the SRES will provide their own COTS alkaline batteries for the components that are indicated as 'batteries not to be included in SRES'. DND requires the component be capable of being powered from the listed alkaline batteries, but the Bidder shall not include the batteries with the delivery.

Question 13

The question is as follows :

3.3.3.3 describes a colour camera with infrared illumination. Infrared illumination is incompatible with colour imaging because colour camera sensors use an IR cut filter in order to enable proper colour reproduction. We can offer both colour cameras with white-light illuminators and near infrared sensitive cameras with NIR illuminators. Is there a preference?

The answer is as follows :

DND requires the Video search equipment to have the ability to view and display an image in colour, along with white-light illumination, and have the ability to view and display the IR illuminated low-light image. The Bidder can meet this requirement by providing both camera types.

As a result of the answer provided, the following changes have been made to Annex A, Statement of Work for SRES:

1) DELETE Annex A, "Statement of Work for SRES," Article 3.3.3 in it's entirety; and

REPLACE with the following:

3.3.3 Video search equipment

3.3.3.1 Video search equipment shall include a light source(s) with battery pack(s);

3.3.3.1.1 Battery pack(s) shall provide enough power for at least eight (8) hours of operation;

3.3.3.2 Video search equipment shall include castor/wheeled mounted base to support the camera(s) when moved under the vehicle;

- 3.3.3.3 Video search equipment shall include the ability to view and display a colour image, as well as, the ability to view and display an IR illuminated low-light image;
- 3.3.3.4 Video search equipment shall include a display screen, viewable in both low-light and bright conditions, and a support strap;
- 3.3.3.5 Video search equipment shall include a telescopic pole for the camera(s) and when fully extended shall be at least 150cm in length;

- 2) **INSERT** the newly revised Annex A, "Statement of Work for SRES (Dated 28 Feb 2013)," reflecting these changes, attached herein

Question 14

The question is as follows :

Is there a field-of-view requirement for the search camera?

The answer is as follows :

There is no specific field-of-view requirement for the Video search equipment.

Question 15

The question is as follows :

Is there a depth-of-field requirement (close focus / far focus) for the camera?

The answer is as follows :

There is no specific depth-of-field requirement for the Video search equipment.

Question 16

The question is as follows :

We have a general question around video search equipment and its relationship to the search mirrors specified. If this is a unified operational kit, why would mirrors be required? Camera technology today is extremely compact and capable of viewing into areas where mirrors are entirely ineffective. For under-vehicle viewing, a camera will be tremendously more capable as well as being dramatically smaller and lighter than the convex mirror described in previous sections.

The answer is as follows :

The under vehicle search mirror offers a more expedient ability to search, with shorter setup time, and is less dependant on battery charge level or temperature extremes.

The Video search equipment is used for a more deliberate, methodical search, in generally good environmental conditions.

Question 17

The question is as follows :

3.3.4.2.11.1 references a crime scene photo equipment kit but does not define what this is. Typically, a macro (close up lens), wide angle, and possibly telephoto capability would be useful in such a kit. Though these optical characteristics are available in a point-and-shoot camera, an SLR with interchangeable lenses would be more capable and significantly more durable given the 10 year life cycle specification listed (i.e. a point-and-shoot camera will not last 10 years). Could you please define what kind of camera is preferred and what other accessories may be desired in the photo equipment kit? The detailed requirement will have a significant impact on price and it would be inappropriate and unfair to our soldier to present the cheapest solution without regard for capability.

The answer is as follows :

DND does not require a camera as part of this kit. DND requires a kit that offers the ability to 'document' a crime scene through photos that are taken, allowing for evidence to be identified, sequenced and oriented.

As a result of the answer provided, the following changes have been made to Annex A, Statement of Work for SRES:

- 1) **DELETE** Annex A, "Statement of Work for SRES," Article 3.3.4.2.11 in it's entirety; and
REPLACE with the following:
3.3.4.2.11 One (1) crime scene photo documentation kit, provided with carrying case;
- 2) **INSERT** the newly revised Annex A, "Statement of Work for SRES (Dated 28 Feb 2013)," reflecting these changes, attached herein

Question 18

The question is as follows :

May we suggest in addition to the photo scales and accessories listed, that you include a compact colour scale (brand example Macbeth Color Checker) as accurate colour reproduction may be a valuable aid in certain incident response. You may be anticipating this as part of the crime scene photo equipment kit but note that you have split out some of the accessories to ensure inclusion.

The answer is as follows :

DND does not have additional requirements than those that are provided in Annex A SOW 3.3.4.2.11. The Bidders solution must meet at a minimum the specifications provided in Annex A Statement of Work for SRES

Question 19

The question is as follows :

We require significantly more information about the equipment requirements under 3.3.7 and 3.3.8 as these would appear to have a significant price impact based on the tool choices made. Additionally, we need assistance in understanding these requirements so that we can respond appropriately.

The answer is as follows :

The Bidder should select components for Annex A SOW 3.3.7 and 3.3.8, that allows for the creation of good Operator Training Scenarios in Annex B Evaluation Criteria.

DND has requested four scenarios be addressed including one for a building and one for a vehicle. Bidders should select components that meet the mission areas found in Annex B Evaluation Criteria page 10/16, and credibly demonstrate EOD techniques and procedures for these scenarios.

Question 20

The question is as follows :

We are very concerned about providing the best possible equipment for our soldiers in the field. Though there may be internal imperatives that have driven the integration of disparate components in the SRES as described, there are at least two and likely many different sets of technology expertise that are required to respond to this RFP effectively. In order to ensure that the Canadian Forces get the best possible solutions, we would request that you reconsider separating the search / imaging capabilities from the other tools required as well as separating out other specialty areas; whether this be allowing us to partially respond to the RFP, or alternatively reissuing under two separate RFPs.

The answer is as follows :

Canada will not award multiple contracts under this solicitation. The results of the SRES evaluation process will award a single contract to fulfill Canada's entire requirement.

ALL OTHER TERMS AND CONDITIONS OF THE SOLICITATION DOCUMENT REMAIN UNCHANGED.

Solicitation No. - N° de l'invitation

W8476-112761/A

Amd. No. - N° de la modif.

003

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101qf

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File No. - N° du dossier

101qfW8476-112761

CCC No./N° CCC - FMS No/ N° VME

Attached in order:

- 1) Newly revised Annex A, Statement of Work for the SRES (dated 28 Feb 2013);
- 2) Newly revised Annex A - Appendix 3, Contract Data Requirements List for the SRES (dated 28 Feb 2013).

STATEMENT OF WORK
FOR
SEARCH AND REMOVAL EQUIPMENT SUITE

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Related Appendix & ANNEX documents:

APPENDIX 2: Data Item Description (DID) for the Search and Removal Equipment Suite (SRES)

APPENDIX 3: Contract Data Requirements List (CDRL) for the Search and Removal Equipment Suite (SRES)

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 an Explosive Ordnance Disposal (EOD) Search and Removal Equipment Suite (SRES) to be used by the Canadian Forces (CF).

1.2 Background

- 1.2.1 CF EOD operators are required to clear unexploded ordnance (UXO) and improvised explosive devices (IEDs). UXO, and in particular IEDs, come in all sizes, shapes and forms, with various kinds of explosive or toxic fillings and with increasingly sophisticated means of initiation.
- 1.2.2 The intended use of the SRES is to provide the EOD operator with a balanced suite of equipment to be used in a systematic manner for the efficient conduct of both direct and indirect search, identification, render safe and removal procedures required in UXO and IED clearance operations.

1.3 Acronyms and Abbreviations

ABCA	America (United States), Britain, Canada, Australia
CA	Contracting Authority
CAGE	Commerical and Government Entity
CD	Compact Disk
CDRL	Contract Data Requirements List
CE	Conformite Europeene
CF	Canadian Forces
CFB	Canadian Forces Base
CFSS	Canadian Forces Supply System
CFTO	Canadian Forces Technical Order
COTS	Commercial off the Shelf
CSA	Canadian Standards Association
DCSEM	Director Combat Support Equipment Management
DID	Data Item Description
DMC	Demilitarization Code
DML	Demilitarization List
DND	Department of National Defence
DPA	Defence Product Act
DSCO	Director Supply Chain Operations
DTMS	Defence Terminology Management System

DWG	Drawing format
EBS	Equipment Breakdown Structure
ECL	Export Control List
ECP	Engineering Change Proposal
ECCN	Export Control Classification Number
EHS	Environmental Health and Safety
EHSIR	Environmental Health and Safety Impact Report
EOD	Explosive Ordnance Disposal
IAW	In Accordance With
IED	Improvised Explosive Device
IEDD	Improvised Explosive Device Disposal
ILS	Integrated Logistics Support
IP	Initial Provisioning
IPC	Initial Provisioning Conference
IPGC	Initial Provisioning Guidance Conference
IPL	Illustrated Parts List
ISL	Interim Spares List
ITAR	International Traffic in Arms Regulations
JIT	Just in Time
LEMS	Land Equipment Maintenance System
MCN	Material Change Notice
MSDS	Material Safety Data Sheet
MSRPL	Manufacturer Suggested Retail Price List
NATO	North Atlantic Treaty Organization
NBC	Nuclear Biological & Chemical
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
PBL	Product Baseline
PCB	Polychlorinated Biphenyl
PD	Provisioning Documentation
PPB	Provisioning Parts Breakdown
PHST	Packaging, Handling, Storage and Transportation

PWGSC	Public Works and Government Services Canada
R&O	Repair & Overhaul
RH	Relative Humidity
RSPL	Recommended Spare Parts List
SCN	Specification Change Notice
SOW	Statement of Work
SRES	Search and Removal Equipment Suite
STTE	Special Tools and Test Equipment
TA	Technical Authority
TMDE	Test, Measurement and Diagnostic Equipment
UL	Underwriters Laboratories
UXO	Unexploded Ordnance
VEC	Valued Ecosystem Component
WHMIS	Workplace Hazardous Materials Information System

2.0 APPLICABLE DOCUMENTS

2.1 References

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

R.S., 1985, C. H-3	HAZARDOUS PRODUCTS ACT
SOR/86-304	CANADA OCCUPATIONAL HEALTH AND SAFETY REGULATIONS
SOR/99-7	OZONE-DEPLETING SUBSTANCES REGULATIONS, 1998
A-AD-100-100/AG-000	NATIONAL DEFENCE PUBLISHING POLICY AND ADMINISTRATION PROCEDURES
A-EN-007-000/FP-001	DND ENVIRONMENTAL ASSESSMENT MANUAL
C-01-100-100/AG-005	ACCEPTANCE OF COMMERCIAL AND FOREIGN GOVERNMENT PUBLICATIONS AS ADOPTED PUBLICATIONS
C-02-008-001/TS-000	GENERAL SAFETY LITHIUM BATTERIES HANDLING, STORAGE, PRESERVATION AND DISPOSAL INSTRUCTIONS
C-02-040-009/AG-001	GENERAL SAFETY STANDARDS
D-01-100-207/SF-002	SPECIFICATION - PREPARATION OF INTERIM ILLUSTRATED PARTS MANUALS FOR LAND EQUIPMENTS

D-01-100-214/SF-000	SPECIFICATION FOR PREPARATION OF PROVISIONING DOCUMENTATION FOR CANADIAN FORCES EQUIPMENT
D-01-400-001/SG-000	STANDARD - ENGINEERING DRAWING PRACTICES FOR CLASS 1 DRAWINGS AND TECHNICAL DATA LIST
D-02-002-001/SG-001	STANDARD – IDENTIFICATION MARKING OF CANADIAN MILITARY PROPERTY
D-LM-008-001/SF-001	METHODS OF PACKAGING
D-LM-008-002/SF-001	SPECIFICATION FOR MARKING FOR STORAGE AND SHIPMENT
D-LM-008-011/SF-001	PREPARATION AND USE OF PACKAGING REQUIREMENTS CODES
MIL-P-46593A	PROJECTILE, CALIBERS .22, .30, .50 AND 20MM FRAGMENT SIMULATING
MIL-STD-622F	V50 BALLISTIC TEST FOR ARMOUR
STANAG 2897 (EDITION 3)	STANDARDIZATION OF EOD EQUIPMENT REQUIREMENTS AND EQUIPMENT
STANAG 2920 (EDITION 2)	BALLISTIC TEST METHOD FOR PERSONNEL ARMOUR MATERIALS AND COMBAT CLOTHING
NEMA IEC 60529	DEGREES OF PROTECTION PROVIDED BY ENCLOSURES - IP CODE

3.0 REQUIREMENTS

3.1 Overview

- 3.1.1 This section describes the work required to supply and deliver the EOD Search and Removal Equipment Suite (SRES) and associated equipment.
- 3.1.2 **The SRES shall consist of the following components, and is further described in detail under section 3.3:**
 - 3.1.2.1 Search/Investigation Equipment Kit;
 - 3.1.2.1.1 Search endoscope & mirror equipment;
 - 3.1.2.1.2 Under-vehicle search mirror;
 - 3.1.2.1.3 Video search equipment;
 - 3.1.2.1.4 Post-blast analysis equipment;
 - 3.1.2.1.5 Mechanical (Doctor's) stethoscope;
 - 3.1.2.1.6 Electronic stethoscope;
 - 3.1.2.1.7 Building access equipment;
 - 3.1.2.1.8 Vehicle access equipment;
 - 3.1.2.1.9 General (Engineer) multi-piece tool equipment;
 - 3.1.2.1.10 Non-magnetic/sparking mine prodder;
 - 3.1.2.1.11 Handheld metal detector (deep tissue search)
 - 3.1.2.1.12 Handheld metal detector (confined spaces search), and
 - 3.1.2.1.13 Separate hard transport container(s) (such as, but not limited to, Pelican® or Hardigg® cases) for the above Search/Investigation Equipment.
 - 3.1.2.2 Non-magnetic/sparking Search/Investigation Equipment Kit;
 - 3.1.2.2.1 Non-magnetic/sparking tool equipment;
 - 3.1.2.2.2 Non-magnetic/sparking excavation equipment, and
 - 3.1.2.2.3 Separate hard transport container(s) (such as, but not limited to, Pelican® or Hardigg® cases) for the above Non-magnetic/sparking Search/Investigation Equipment.
 - 3.1.2.3 Threat Removal/Mitigation Equipment Kit;

- 3.1.2.3.1 Hook and line equipment;
- 3.1.2.3.2 Clamp equipment;
- 3.1.2.3.3 Heavy-duty tripod;
- 3.1.2.3.4 Light-duty tripod;
- 3.1.2.3.5 Telescopic manipulator;
- 3.1.2.3.6 Bomb (Blast) containment bag;
- 3.1.2.3.7 Bomb (Blast) blanket, and
- 3.1.2.3.8 Separate hard transport container(s) (such as, but not limited to, Pelican® or Hardigg® cases) for the above Threat Removal/Mitigation Equipment.
 - 3.1.2.3.8.1 Heavy-duty tripod shall not require a hard transport container.
- 3.1.2.4 Lightweight Dismounted Operations Equipment Kit;
 - 3.1.2.4.1 Lightweight EOD tool and hook and line equipment;
 - 3.1.2.4.2 Separate hard transport container (such as, but not limited to, Pelican® or Hardigg® case) for the above Lightweight Dismounted Operations Equipment;
- 3.1.2.5 EOD equipment hand truck, and
- 3.1.2.6 Any other required items such as maintenance tools and manuals (stored inside the hard transport containers.

3.2 System Characteristics

3.2.1 General

- 3.2.1.1 The SRES requirements shall be met by current commercial or military technology;
- 3.2.1.2 The SRES shall be based on proven, fielded equipment that is in-service with a North Atlantic Treaty Organization (NATO) or American, British, Canadian, Australian (ABCA) military partner or police agency of those countries;

3.2.2 Design

- 3.2.2.1 The SRES shall be designed so that the various components shall work together without any modifications;
- 3.2.2.2 The SRES shall be designed for fast viewing and selection of available tools and equipment, as well as replacement and mustering of those tools after an operation;

- 3.2.2.3 SRES component specifications, when required by the specific component under section 3.3, shall be supported by CE (or equivalent such as CSA and UL) test reports or accredited NATO/ABCA third-party lab certifications;

- 3.2.3 Operational Clothing Compatibility

- 3.2.3.1 The SRES shall be useable by an operator wearing summer or winter environmental clothing or the NBC ensemble, without impeding setup or operation;
 - 3.2.3.2 During typical EOD search and threat removal operations, the SRES shall be useable by an operator wearing a helmet with a full visor, gloves, and a ballistic vest, or personnel in CF bomb suits, as appropriate for the task;

- 3.2.4 Transportability

- 3.2.4.1 The SRES shall be transportable by fixed wing aircraft, cargo ships, rail, and commercial and military wheeled/tracked vehicles on roads;
 - 3.2.4.2 The SRES shall be transportable by rotary wing aircraft and military wheeled/tracked vehicles on highways, and cross-country;
 - 3.2.4.3 The entire SRES, including all soft cases/bags, shall be shipped in waterproof hard transport containers, except for the Heavy-duty tripod IAW 3.3.17 and EOD equipment hand truck IAW 3.3.23;

- 3.2.5 Maintainability

- 3.2.5.1 The intended in-service life of the SRES shall be no less than ten (10) years;

3.3 System Components

- 3.3.1 Search endoscope & mirror equipment

- 3.3.1.1 Search endoscope shall be no more than 12mm in diameter;
 - 3.3.1.2 Search endoscope shall be at least 30cm in length, and no more than 1m;
 - 3.3.1.3 Search endoscope shall have an illuminated tip for viewing in low-light conditions;
 - 3.3.1.3.1 Search endoscope with illuminated tip shall operate using standard COTS alkaline batteries of cell size AA, AAA, C, D or 9V (batteries not to be included in SRES);
 - 3.3.1.4 Mirror equipment shall include a telescopic arm;
 - 3.3.1.4.1 Telescopic arm when not extended shall be no longer than 50cm in length so that it can be transported in the Soldier's Tactical Field Pack (NSN: 8465-20-000-2774);
 - 3.3.1.4.2 Telescopic arm, when extended, shall be at least 150cm in length;

- 3.3.1.5 Mirror equipment shall include a rigid arm;
 - 3.3.1.5.1 Rigid arm shall be attached to a battery operated light source;
 - 3.3.1.5.1.1 Light source shall operate using standard COTS alkaline batteries of cell size AA, AAA, C, D or 9V (batteries not to be included in SRES);
 - 3.3.1.5.1.2 Battery pack, NOT to be included, shall provide enough power for at least eight (8) hours of operation;
- 3.3.1.6 Mirror equipment shall include a variety of mirrors, that can be attached to both the telescopic and rigid arms:
 - 3.3.1.6.1 Two (2) plano (flat) mirrors of dimension 6cm x 10cm or larger;
 - 3.3.1.6.2 Two (2) plano (flat) circular mirrors at least 6cm in diameter, and
 - 3.3.1.6.3 Two (2) convex circular mirrors at least 10cm in diameter.
- 3.3.2 Under vehicle search mirror
 - 3.3.2.1 Under-vehicle search arm shall be at least 90cm in length;
 - 3.3.2.2 Under-vehicle search mirror shall include a battery operated light source;
 - 3.3.2.2.1 Light source shall operate using standard COTS alkaline batteries of cell size AA, AAA, C, D or 9V (batteries not to be included in SRES);
 - 3.3.2.2.2 Battery pack, NOT to be included, shall provide enough power for at least eight (8) hours of operation;
 - 3.3.2.3 Under-vehicle search mirror shall be a convex mirror with an area of no less than 400cm²;
 - 3.3.2.4 Under-vehicle search mirror shall include a castor/wheel mounted base to support the mirror when moved under the vehicle;
- 3.3.3 Video search equipment
 - 3.3.3.1 Video search equipment shall include a light source(s) with battery pack(s);
 - 3.3.3.1.1.1 Battery pack(s) shall provide enough power for at least eight (8) hours of operation;
 - 3.3.3.2 Video search equipment shall include castor/wheeled mounted base to support the camera(s) when moved under the vehicle;
 - 3.3.3.3 Video search equipment shall include the ability to view and display a colour image, as well as, the ability to view and display an IR illuminated low-light image;
 - 3.3.3.4 Video search equipment shall include a display screen, viewable in both low-light and bright conditions, and a support strap;

- 3.3.3.5 Video search equipment shall include a telescopic pole for the camera(s) and when fully extended shall be at least 150cm in length;
- 3.3.4 Post-blast analysis equipment
 - 3.3.4.1 Post-blast analysis equipment shall be useable in the field for on-the-spot collection of forensic material;
 - 3.3.4.2 Post-blast analysis equipment shall include the following:
 - 3.3.4.2.1 One (1) measuring tape with at least 100m of measuring length (using, as a minimum, meter and centimeter scale);
 - 3.3.4.2.1.1 Measuring tape width shall be at least 3.175cm (approx. 1 ¼")
 - 3.3.4.2.2 One (1) measuring tape with at least 8m of measuring length (using, as a minimum, meter and centimeter scale);
 - 3.3.4.2.2.1 Measuring tape width shall be at least 3.175cm (approx. 1 ¼")
 - 3.3.4.2.3 One (1) measuring tape with at least 3m of measuring length (using, as a minimum, meter and centimeter scale);;
 - 3.3.4.2.4 One (1) road measuring wheel;
 - 3.3.4.2.5 One (1) evidence instrument equipment kit, provided with carrying case consisting of:
 - 3.3.4.2.5.1 Three (3) hemostats of different sizes;
 - 3.3.4.2.5.2 Three (3) tweezers of different sizes;
 - 3.3.4.2.5.3 One (1) curved tweezer;
 - 3.3.4.2.5.4 One (1) pair of scissors;
 - 3.3.4.2.5.5 Four (4) metal probes;
 - 3.3.4.2.5.6 Ten (10) #10 disposable scalpels, and
 - 3.3.4.2.5.7 Two (2) permanent writing markers (one black and one red in colour).
 - 3.3.4.2.6 One (1) garden hand rake and one (1) garden hand shovel;
 - 3.3.4.2.7 One (1) triangular body metric ruler at least 30cm in length;
 - 3.3.4.2.8 One (1) magnifying glass at least 10.16cm (approx. 4 inches) in diameter, providing at minimum 2X magnification;
 - 3.3.4.2.9 One (1) pocket sized magnifier with lens at least 3.17cm (approx. 1.25 inches) in diameter, providing at minimum 3X magnification;

- 3.3.4.2.10 One (1) magnet with at least 45.4kg (approx. 100lb.) pull force;
- 3.3.4.2.11 One (1) crime scene photo documentation kit, provided with carrying case;
 - 3.3.4.2.11.1 Contents shall allow for evidence to be identified in photos, sequenced and oriented using photo evidence markers and scales.
- 3.3.4.2.12 One (1) reversible photography L-shaped scale at least 30cm in length;
 - 3.3.4.2.12.1 Black with white printing on one side;
 - 3.3.4.2.12.2 White with black printing on the other side;
- 3.3.4.3 Post-blast analysis equipment shall include the following consumables (one (1) set):
 - 3.3.4.3.1 One (1) postmortem fingerprint equipment kit, provided with carrying case;
 - 3.3.4.3.1.1 Contents shall allow for the fingerprinting of deceased individuals, including one-hundred (100) fingerprint cards for left and right hand, ink and print spoon.
 - 3.3.4.3.2 One (1) inkless fingerprint equipment;
 - 3.3.4.3.3 One-hundred (100) blank, orange coloured, crime scene flags;
 - 3.3.4.3.4 Six (6) evidence tubes (including biohazard and evidence labels) at least 6.35cm (approx. 2 ½ inches) in diameter and at least 30.48cm (approx. 12 inches) in length;
 - 3.3.4.3.5 One (1) paint brush with bristles at least 5.08cm (approx. 2 inches) wide;
 - 3.3.4.3.6 Fourteen (14) photo scales at least 15.24cm (approx. 6 inches) in length;
 - 3.3.4.3.7 One (1) utility knife with spare blades;
 - 3.3.4.3.8 One (1) evidence ruler tape at least 2.54cm (approx. 1 inch) wide and at least 9.14m (approx. 30 feet) long;
 - 3.3.4.3.9 One-hundred (100) evidence security bags at least 12.7cm x 20.32cm (approx. 5 inches x 8 inches) in size;
 - 3.3.4.3.10 One-hundred (100) evidence security bags at least 22.86cm x 30.48cm (approx. 9 inches x 12 inches) in size;
 - 3.3.4.3.11 One-hundred (100) blank paper evidence bags at least 20.32cm x 12.7cm x 38.1cm (approx. 8 inches x 5 inches x 15 inches) in size;
 - 3.3.4.3.12 One-hundred (100) adhesive evidence integrity strips at least 10.16cm x 1.9cm (approx. 4 inch x 0.75 inch) in size;

- 3.3.4.3.13 Two-hundred and fifty (250) red adhesive biohazard labels at least 2.54cm x 10.16cm (approx. 1 inch x 4 inches) in size;
- 3.3.4.3.14 Ten (10) clear plastic evidence jars at least 59 ml (approx. 2oz) in volume;
- 3.3.4.3.15 Ten (10) clear plastic evidence jars at least 295 ml (approx. 10oz) in volume;
- 3.3.4.3.16 One-hundred (100) ink remover towelettes;
- 3.3.4.3.17 Fifty (50) small nitrile gloves at least 0.33mm (approx. 13mil) thick;
- 3.3.4.3.18 Fifty (50) medium nitrile gloves at least 0.33mm (approx. 13mil) thick;
- 3.3.4.3.19 Fifty (50) large nitrile gloves at least 0.33mm (approx. 13mil) thick;
- 3.3.4.3.20 Fifty (50) X-large nitrile gloves at least 0.33mm (approx. 13mil) thick;
- 3.3.5 Mechanical (Doctor's) stethoscope
 - 3.3.5.1 Stethoscope shall be suitable for EOD applications;
 - 3.3.5.2 Stethoscope shall have black-coloured tubing;
- 3.3.6 Electronic stethoscope
 - 3.3.6.1 The Electronic stethoscope shall have a minimum operational life of five (5) hours under battery power and shall include the battery pack;
 - 3.3.6.2 The Electronic stethoscope shall have an audio processing unit for the connection of: sensors, headset; and the required power source;
 - 3.3.6.2.1 The audio processing unit shall be adjustable for different settings and amplifications;
 - 3.3.6.3 Headset
 - 3.3.6.3.1 The headset shall be binaural;
 - 3.3.6.3.2 The headset shall suppress ambient noises;
 - 3.3.6.3.3 The headset shall be adjustable to fit different sized heads;
 - 3.3.6.4 Contact and contactless sensors shall be provided and connectable to the audio processing unit by included cables each at least 1.5 meters in length;
 - 3.3.6.4.1 Contact (acoustic vibration) sensors
 - 3.3.6.4.1.1 One (1) contact sensor shall be provided and be capable of being connected to an included ground-penetrating metal bar, tube or probe using supplied adaptors or clamps;

- 3.3.6.4.1.2 One (1) contact sensor shall be provided and have a surface that allows for the easy application of tape for its attachment to smooth surfaces;
- 3.3.6.4.2 Contactless sensor
 - 3.3.6.4.2.1 One (1) contactless sensor shall be provided allowing for acoustic signature detection at distances of at least three (3) meters;
- 3.3.6.5 Cable and Reel
 - 3.3.6.5.1 A cable of at least one-hundred (100) meters shall also be provided to allow for a safe operating distance from the threat;
 - 3.3.6.5.2 A cable reel shall be required for the above cable in para. 3.3.6.5.1;
 - 3.3.6.5.3 The cable reel shall have an integral stand and handle;
 - 3.3.6.5.4 The cable reel shall have socket(s) and connector(s) where required;
- 3.3.6.6 Adjustable Sensor Stand
 - 3.3.6.6.1 An adjustable, multi-position stand, along with adaptors if required, shall be provided for the remote use of the contact and contactless sensors;
- 3.3.6.7 Electronic stethoscope shall operate in climatic conditions ranging from -20°C to +44°C without performance degradation;
- 3.3.6.8 Electronic stethoscope shall be capable of being stored in climatic conditions ranging from -30°C to +50°C without performance degradation;
- 3.3.7 Building access equipment
 - 3.3.7.1 Building access equipment shall be used when entering buildings and performing tasks such as opening doors remotely and creating anchor points;
 - 3.3.7.2 Building access equipment shall have a minimum of ten (10) different types of components to deal with a multitude of different building entry points;
 - 3.3.7.3 Components shall be different from any other components provided in other SRES equipment;
- 3.3.8 Vehicle access equipment
 - 3.3.8.1 Vehicle access equipment shall be used when remotely accessing a vehicle and performing tasks such as opening vehicle doors, hoods and trunks, shattering windows, as well as turning keys;
 - 3.3.8.2 Vehicle access equipment shall have a minimum of ten (10) different types of components to deal with a multitude of different vehicles;
 - 3.3.8.3 Components shall be different from any other components provided in other SRES equipment;

- 3.3.9 General (Engineer) multi-piece tools
 - 3.3.9.1 General (Engineer) multi-piece tools shall provide the user with a selection of standard tools such as screwdrivers, wire cutters, pliers, vice grips, wire strippers, scissors, tweezers, hammers, spanners, saws, wrenches and chisels;
 - 3.3.9.2 General (Engineer) multi-piece tools shall have a minimum of thirty (30) different types of components to deal with a multitude of different situations;
 - 3.3.9.3 Components shall be different from any other components provided in other SRES equipment;
- 3.3.10 Non-magnetic/sparking mine prodder
 - 3.3.10.1 Mine prodder shall be tested and certified to be non-magnetic IAW STANAG 2897 Annex C;
 - 3.3.10.1.1 Non-magnetic certification shall be provided to the CA and TA prior to final delivery;
 - 3.3.10.2 Mine prodder handle should be parallel (like a knife) to the prodding shaft instead of perpendicular;
 - 3.3.10.3 Mine prodder shaft diameter shall be no more than eight (8) mm;
 - 3.3.10.4 Mine prodder shall be capable of locating objects at a depth of at least twenty (20) cm;
 - 3.3.10.5 Due to the inherit problems with human exposure to Beryllium slivers or dust, the non-magnetic/sparking mine prodder should not contain any beryllium;
- 3.3.11 Handheld metal detector (deep tissue search)
 - 3.3.11.1 Handheld metal detector shall be used for detection of small metal objects deep within skin tissue or a body;
 - 3.3.11.1.1 Handheld metal detector shall detect targets less than 0.05 grams in mass;
 - 3.3.11.2 Handheld metal detector shall be capable of operation for three-hundred (300) hours (30 days at 10 hours per day) without the need for battery replacement or re-charging;
 - 3.3.11.3 Handheld metal detector shall be no more than 50cm in length so that it fits within the Soldier's Tactical Field Pack (NSN: 8465-20-000-2774);
 - 3.3.11.4 Handheld metal detector shall operate in climatic conditions ranging from -20°C to +50°C without performance degradation;
 - 3.3.11.5 Handheld metal detector shall be capable of being stored in climatic conditions ranging from -30°C to +60°C without performance degradation;
- 3.3.12 Handheld metal detector (confined spaces search)

- 3.3.12.1 Two (2) Handheld metal detectors (confined spaces search) shall be provided;
- 3.3.12.2 Handheld metal detectors shall be used for detection of ferrous and non-ferrous materials;
- 3.3.12.3 Handheld metal detectors shall be capable of operation for sixty (60) hours (30 days at 2 hours per day) without the need for battery replacement or re-charging;
- 3.3.12.4 Handheld metal detectors shall be no more than 25cm in length (approx. 10 inches in length) so that detector can fit in a pocket and be used in restricted access situations such as inside culverts and under vehicles;
- 3.3.12.5 Handheld metal detectors shall be a 'wand' type with 360 degree detection area and search head to allow the user to be overtop of the detector but still pin point detection;
- 3.3.12.6 Handheld metal detectors shall include an integrated LED flashlight for low light situations when inside culverts or similar confined spaces;
- 3.3.12.7 Handheld metal detector shall include both a visual alarm as well as a tactile alarm to indicate detections even when the user's view is restricted;
- 3.3.12.7.1 If an audible alarm is included, the capability to turn the sound off shall be required;
- 3.3.12.8 Handheld metal detector shall include a soft case with belt loop capable of accommodating belt size of 4.5cm in width which is standard on a pair of Combat Trousers (NSN 8415-21-920-4930);
- 3.3.12.9 Handheld metal detector shall be capable of meeting an IP66 rating, equivalent or better, IAW NEMA IEC 60529;
- 3.3.12.10 Handheld metal detector shall operate in climatic conditions ranging from -30°C to +50°C without performance degradation;
- 3.3.13 Non-magnetic/sparking tools
 - 3.3.13.1 Non-magnetic/sparking tools shall provide the user with a selection of standard tools such as screwdrivers, cutters, pliers, hammers, spanners, saws, wrenches and chisels;
 - 3.3.13.2 Each component of the Non-magnetic/sparking tools shall be tested and certified to be non-magnetic IAW STANAG 2897 Annex C;
 - 3.3.13.2.1 Non-magnetic certification shall be provided to the TA prior to final delivery;
 - 3.3.13.3 Non-magnetic/sparking tools shall have a minimum of thirty (30) different types of components to deal with a multitude of different situations;
 - 3.3.13.4 Due to the inherit problems with human exposure to Beryllium slivers or dust, the non-magnetic/sparking tool equipment should not contain any beryllium;

3.3.14 Non-magnetic/sparking excavation equipment

- 3.3.14.1 Non-magnetic/sparking excavation equipment shall provide the user with a selection of standard tools such as shovel, hammers, pick and chisel;
- 3.3.14.2 Each component of the Non-magnetic/sparking excavation equipment shall be tested and certified to be non-magnetic IAW STANAG 2897 Annex C;
 - 3.3.14.2.1 Non-magnetic certification shall be provided to the CA and TA prior to final delivery;
- 3.3.14.3 Non-magnetic/sparking excavation equipment shall have a minimum of six (6) different types of components to deal with a multitude of different situations;
- 3.3.14.4 Due to the inherent problems with human exposure to Beryllium slivers or dust, the non-magnetic/sparking excavation equipment should not contain any beryllium;

3.3.15 Hook and line equipment

- 3.3.15.1 Hook and Line equipment shall be used in conjunction with the building access and vehicle access equipment, as well as to remotely retrieve/move objects, and finally lift objects in conjunction with the heavy and light duty tripods;
- 3.3.15.2 Hook and Line equipment shall have a minimum of thirty (30) different types of components to deal with a multitude of different situations;
 - 3.3.15.2.1 Hook and Line equipment shall include components that are capable of pulling and lifting objects within the full load range up to 227.3kg (approx. 500lbs);
- 3.3.15.3 Component specifications (except for the telescopic pole in para. 3.3.15.5) shall be certified as described in paragraph 3.2.2.3;
- 3.3.15.4 Components shall be different from any other components provided in other SRES equipment;
- 3.3.15.5 Hook and Line equipment shall include telescopic pole that can extend out to at least three (3) meters;

3.3.16 Clamp equipment

- 3.3.16.1 Clamp equipment shall be able to clamp onto surfaces, handles or onto objects, as well as provide anchor points;
- 3.3.16.2 Clamp equipment shall have a minimum of five (5) different types of components to deal with a multitude of different clamping needs;
- 3.3.16.3 Components shall be different from any other components provided in other SRES equipment;

3.3.17 Heavy-duty tripod

- 3.3.17.1 Heavy-duty tripod shall be capable of supporting loads of up to 227.3kg (approx. 500lbs);
- 3.3.17.2 Heavy-duty tripod shall be capable of collapsing to a height of no more than 2.75m (approx. 9 feet) for storage in transport vehicle;
- 3.3.17.3 Heavy-duty tripod shall be provided with carry straps for carriage by one (1) operator;
- 3.3.17.4 Component specification (maximum load) shall be certified as described in paragraph 3.2.2.3;
- 3.3.18 Light-duty tripod
 - 3.3.18.1 Light-duty tripod shall be capable of supporting loads of up to 79.5kg (approx. 175lbs);
 - 3.3.18.2 Light-duty tripod shall be provided with carry straps for carriage by one (1) operator;
 - 3.3.18.3 Component specification (maximum load) shall be certified as described in paragraph 3.2.2.3;
- 3.3.19 Telescopic manipulator
 - 3.3.19.1 Telescopic manipulator shall have an electrically-controlled manipulator providing the ability to grasp and rotate objects;
 - 3.3.19.2 Telescopic manipulator shall:
 - 3.3.19.2.1 Be balanced and stabilized for precise operation;
 - 3.3.19.2.2 Provide a minimum of three (3) meter stand-off from threat packages to the operator;
 - 3.3.19.2.3 Include break-away feature in case of threat package detonation, and
 - 3.3.19.2.4 Operate using standard COTS alkaline batteries of cell size AA, AAA, C, D or 9V (batteries not to be included in SRES);
 - 3.3.19.2.4.1 Battery pack, NOT to be included, shall provide enough power for at least three (3) hours of operation;
 - 3.3.19.3 Telescopic manipulator shall operate in climatic conditions ranging from -20°C to +44°C without performance degradation;
 - 3.3.19.4 Telescopic manipulator shall be capable of being stored in climatic conditions ranging from -30°C to +50°C without performance degradation;
- 3.3.20 Bomb (Blast) containment bag
 - 3.3.20.1 Bomb containment bag shall be used for temporary storage of suspect letter bombs at least 21cm (width) x 27cm (length) x 3.5cm (thick);

- 3.3.20.2 Bomb containment bag shall permit x-ray examination of the contents;
- 3.3.20.3 Bomb containment bag shall be capable of containing the blast from at least thirty-five (35) grams of explosives (Seismoplast or equivalent);
- 3.3.21 Bomb (Blast) blanket
 - 3.3.21.1 Bomb blanket shall be used to suppress the blast fragmentation from small (for example briefcase and hand carry bag sized or equivalent) threats;
 - 3.3.21.2 Bomb blanket shall have a ballistic V50 rating of 400m/sec;
 - 3.3.21.2.1 Ballistic characteristics shall be tested IAW MIL-STD-662F using the .22 Cal. projectile as specified in MIL-P-46593A or tested IAW STANAG 2920 using the NATO 17 grain chisel nose Fragment Simulating Projectile (FSP).
 - 3.3.21.3 Bomb blanket shall be at least 150cm x 150cm in size;
 - 3.3.21.4 Transport bag shall be included with Bomb blanket;
- 3.3.22 Lightweight EOD tool and hook and line equipment;
 - 3.3.22.1 Lightweight EOD tool and Hook and Line equipment shall include the following:
 - 3.3.22.1.1 One (1) reel with at least 100m of no more than 3mm diameter (climbing) rope, capable of supporting at least 90kg (approx. 200lbs);
 - 3.3.22.1.2 One (1) rope puller with hand grip capable of pulling rope provided in 3.3.22.1.1;
 - 3.3.22.1.3 Two (2) vice grips with screw-in metal eyelets for attaching carabineer;
 - 3.3.22.1.4 One (1) foldable grappling hook (3 prong – lockable);
 - 3.3.22.1.5 Two (2) pulleys, each capable of supporting at least 90kg (approx. 200lbs);
 - 3.3.22.1.6 Two (2) carabineers, each rated for at least 2270kg (approx. 5000lbs);
 - 3.3.22.1.7 Two (2) carabineers, each rated for at least 454kg (approx. 1000lbs);
 - 3.3.22.1.8 One (1) micro torch, including enough fuel for 16 hours of constant operation;
 - 3.3.22.1.9 Three (3) large fish (with prong to hold hook in place once inserted) hooks, capable of supporting a safe working load of at least 90kg (approx. 200lbs);
 - 3.3.22.1.9.1 Hooks shall have protective tube to prevent accidental punctures;
 - 3.3.22.1.10 Two (2) “endless loop”, ropes with non-rigid eye loops at both ends;

- 3.3.22.1.10.1 Rope (section between non-rigid eye loops) shall be a minimum of one (1) meter in length;
- 3.3.22.1.11 One (1) scalpel;
- 3.3.22.1.12 One (1) set of mini wire cutters (at least two (2) different sizes) & pliers (at least three (3) different sizes);
- 3.3.22.1.13 Two (2) small clamps capable of clamping onto surfaces at least 2.5cm (approx. 1 inch) thick;
- 3.3.22.1.14 One (1) set of tweezers (at least three (3) different sizes);
- 3.3.22.1.15 One (1) measuring tape with at least 300cm (approx. 10 feet) in measuring length;
- 3.3.22.1.16 One (1) pair of medical scissors, and
- 3.3.22.1.17 Soft carrying case for above items para 3.3.22.1.1 to 3.3.22.1.16.
- 3.3.22.2 Lightweight EOD Tool and Hook and Line equipment shall weigh less than 4.55kg (approx. 10lbs), including soft carrying case.
- 3.3.23 EOD equipment hand truck
 - 3.3.23.1 EOD equipment hand truck shall be capable of carrying at least 68kg (approx. 150lbs) of weight;
 - 3.3.23.2 EOD equipment hand truck wheels shall be capable of being locked in place (both turning and swivel movements) when required to hold the hand truck in place when on a slope or when needed as an anchor point;
 - 3.3.23.3 EOD equipment hand truck shall be able to traverse smooth polished surfaces, hard flat road surfaces, gravel, soft mud, and field stubble.

3.4 **Electrical Characteristics**

- 3.4.1 General
 - 3.4.1.1 If any Lithium or Lithium-polymer batteries are used in the various SRES components (section 3.3), then the procedures in C-02-008-001/TS-000 General Safety Lithium Batteries Handling, Storage Preservation and Disposal Instructions shall be used;
- 3.4.2 Electrical Protection Requirements
 - 3.4.2.1 SRES components, when required, shall be protected with fuses or circuit breakers to provide current surge protection for electronics;
- 3.4.3 Battery Charging System

- 3.4.3.1 Contractor shall provide battery charger(s), with universal power input of 110VAC – 220VAC, 50Hz – 60Hz, for all of the SRES components (section 3.3) with rechargeable batteries;
- 3.4.3.2 Battery charger(s) shall provide a visual indication of the battery level in order to indicate when charging is required and when it is complete;
- 3.4.3.3 Battery charging time shall not exceed twelve (12) hours for any of the SRES battery packs;
- 3.4.3.4 Battery charger(s) shall be certified CE, UL or CSA;

3.5 Environmental and Climatic Characteristics

3.5.1 Climatic Conditions

- 3.5.1.1 The SRES shall be capable of operation while in climatic conditions ranging from –30°C to +50°C without performance degradation, unless otherwise stated under System Components para. 3.3;
- 3.5.1.2 The SRES shall be capable of being stored in temperature conditions ranging from – 50°C to + 70°C, unless otherwise stated under System Components para. 3.3;

3.5.2 Atmospheric Conditions

- 3.5.2.1 The SRES shall operate without performance degradation in relative humidity ranging from 5% to 100%, unless otherwise stated under System Components para. 3.3;
- 3.5.2.2 The SRES shall meet component performance specifications when exposed to ice, sand, dust, wind, sun, rain, salt fog, and hail;

3.5.3 Durability

- 3.5.3.1 General – SRES System shall be ruggedized to withstand rough handling under conditions of combat;
- 3.5.3.2 Vibration and Shock – The vibration induced by transportation over rough roads and terrain shall not cause the SRES to malfunction or cause degradation of performance and it shall not shorten the operational life;

3.6 Environmental Health and Safety (EHS)

- 3.6.1 Environmental Health and Safety (EHS) consideration shall be incorporated and documented into the decision making process for the Work performed under this Contract. EHS documentation shall be maintained within the project file throughout the life of this Contract. The Contractor shall provide for and allow DND inspection and monitoring of EHS documentation throughout the life of the contract;
- 3.6.2 Halocarbons as identified within the Ozone-Depleting Substances Regulations (SOR/99-7) are not to be incorporated into the design, operation or maintenance of equipment, products, or support services;

- 3.6.3 Mercury, in any shape or form, contained or used within the design, operation and maintenance of equipment, support tooling, products or materials used or consumed, shall be identified and associated with their physical location within or on the Work provided;
- 3.6.4 Polychlorinated Biphenyls (PCBs) are not to be incorporated into the design, operation and maintenance of the equipment, or products used in equipment support activities;
- 3.6.5 The Contractor shall label and ship goods falling within the Hazardous Products Act, R.S. 1985, c. H-3 and regulation(s) there under in accordance with the said Act and regulation(s) accompanied by the required material safety data sheet(s) completed in either Canadian or US English and Canadian French. The label shall clearly identify the contents of the hazardous material and the material safety data sheet shall explain what those hazards are. Manufacturers or importers of exempted or permitted products (Risk Management Strategy For Mercury-Containing Products (http://www.ec.gc.ca/ceparegistry/documents/part/Merc_RMS/Merc_RMS.cfm) and proposed regulation refers) shall affix a label on the product and the package that includes the following:
 - 3.6.5.1 The statement “CAUTION/MISE EN GARDE” and the content of the toxic substance contained in the product. For mercury-containing products, the label shall also require:
 - 3.6.5.1.1 Information on accidental breakage procedures and proper disposal options (text/ website address/contact information);
 - 3.6.5.1.2 The “Hg” symbol encircled by a line;
- 3.6.6 The equipment shall have bilingual (Canadian or US English and Canadian French) danger and caution signs, labels and markings on it for warning of specific hazards such as voltage, current, thermal or physical hazards in accordance with Canada Occupation Health and Safety Regulations, SOR/86-304 and CFTO C-02-040-009/AG-001 General Safety Standards;
- 3.6.7 New or amended support documentation by the contractor shall incorporate appropriate EHS warnings and instructions in direct relation of the EHS risks presented in the contents;
- 3.6.8 Contractor Capability and Facility Survey:
 - 3.6.8.1 The Contractor shall have a management system in place to control environmental, health and safety impacts resulting from their activities, products or services;
 - 3.6.8.2 The Contractor shall 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;
 - 3.6.8.3 The Contractor shall also make reasonable effort to monitor that all subcontractors are in compliance with applicable environmental laws and regulations;

3.7 Project Management

3.7.1 Project Management Program

- 3.7.1.1 The Contractor's Project Manager shall be the primary point of contact between the Contractor and the DND Technical Authority and the PWGSC Contracting Authority for all issues related to the Contract;

3.7.2 Project Management Plan (PMP)

- 3.7.2.1 The Contractor shall prepare, deliver, maintain and update a Project Management Plan (PMP) IAW CDRL SRES-PM-001 at Appendix 3 to ANNEX A and it's associated DID SRES-PM-001 at Appendix 2 to ANNEX A;
- 3.7.2.2 The PMP shall describe the Contractor's plan and processes for organizing, staffing, controlling and directing the activities, necessary to deliver the SRES and to satisfy the requirements of this SOW;

3.7.3 Project Meetings

3.7.3.1 Meeting Organization and Coordination

- 3.7.3.1.1 The Contractor shall ensure that data, personnel and facilities are available for each meeting;
- 3.7.3.1.2 As appropriate, meetings may be held at the Contractor or DND facilities at the discretion of the TA;
- 3.7.3.1.3 The Contractor's Project Manager shall 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 shall also be present at all meetings;

3.7.3.2 Kick-off Meeting

- 3.7.3.2.1 The Contractor shall host a Kick-off Meeting no later than twenty-one (21) calendar days after contract award to review and secure a common understanding of the requirements expressed in the following:
- 3.7.3.2.1.1 The Contract;
- 3.7.3.2.1.2 SOW, both the technical requirements and the ILS requirements;
- 3.7.3.2.1.3 Draft Project Management Plan; and
- 3.7.3.2.1.4 Any other contractual or programmatic issues associated with the project as agreed between the TA, CA and the Contractor.
- 3.7.3.2.2 A (hardcopy and softcopy) General Assembly drawing(s) (IAW section 7.4 of D-01-400-001/SG-000) of each of the SRES equipment groups (3.1.2.1, 3.1.2.2, 3.1.2.3, 3.1.2.4, and 3.1.2.5) and any other associated equipment, complete with dimensions and title block shall be provided at the kick-off meeting;

3.7.3.3 Other meetings

- 3.7.3.3.1 The Contractor and/or 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;
- 3.7.3.3.2 The Contractor shall formally submit to the TA and CA, all items that could have a contractual impact as they arise;
- 3.7.3.4 Meeting Documentation
 - 3.7.3.4.1 The Contractor shall prepare and deliver a meeting agenda for all meetings;
 - 3.7.3.4.2 The Contractor shall prepare meeting agendas IAW CDRL SRES-PM-002 at Appendix 3 to ANNEX A and it's associated DID SRES-PM-002 at Appendix 2 to ANNEX A;
 - 3.7.3.4.3 The Contractor shall record, prepare, and deliver the minutes of each meeting IAW CDRL SRES-PM-003 at Appendix 3 to ANNEX A and it's associated DID SRES-PM-003 at Appendix 2 to ANNEX A;

3.8 Integrated Logistics Support (ILS)

3.8.1 Maintenance Concept

- 3.8.1.1 The Maintenance for the SRES will be carried by Technicians that will have the capability to carry out the full range of first and second level corrective maintenance tasks in the garrison, the field or in operation. First level maintenance includes preventive maintenance and servicing, preliminary diagnosis of faults and corrective maintenance tasks of minor nature (less than 4 hours for the maintenance task). Second level maintenance includes corrective maintenance by repairs or replacement of parts and assemblies (usually limited to 24 hours for the maintenance task).

3.8.2 Instruments, Decal, Data Plates and Warnings

- 3.8.2.1 All instruments, decals and data plates shall be marked in metric units. Where international symbols are not possible, bilingual markings in English and Canadian French are required. Warning and precautionary data plates shall be provided in both official languages of Canada – English and Canadian French where necessary to protect personnel, and equipment.

3.8.3 Technical Publication Package

- 3.8.3.1 The Contractor shall prepare and deliver a Technical Publication package for the SRES comprising of:
 - 3.8.3.1.1 Operator/Repair/Maintenance Manual;
 - 3.8.3.1.1.1 The Contractor shall deliver the Operator/Repair/Maintenance Manual, IAW CDRL SRES-ILS-201 at Appendix 3 and its associated DID SRES-ILS-201 at Appendix 2 to this Annex A, for the:
 - 3.8.3.1.1.1.1 Search/Investigation Equipment (para. 3.1.2.1);

- 3.8.3.1.1.1.2 Threat Removal/Mitigation Equipment (para. 3.1.2.3);
- 3.8.3.1.1.1.3 Lightweight Dismounted Operations Equipment (para. 3.1.2.4);
- 3.8.3.1.1.1.4 EOD Equipment Hand Truck (para. 3.1.2.5), and
- 3.8.3.1.1.1.5 Any other associated equipment.
- 3.8.3.1.2 Operator/Repair/Maintenance Non-Magnetic Equipment Manual
 - 3.8.3.1.2.1 The Contractor shall deliver the Operator/Repair/Maintenance Non-Magnetic Equipment Manual, IAW CDRL SRES-ILS-202 at Appendix 3 and its associated DID SRES-ILS-202 at Appendix 2 to this ANNEX A, for the Non-magnetic/sparking Search/Investigation Equipment (para. 3.1.2.2);
- 3.8.3.1.3 Quick Reference Cards
 - 3.8.3.1.3.1 The Contractor shall provide Quick Reference Cards, IAW CDRL SRES-ILS-203 at Appendix 3 and its associated DID SRES-ILS-203 at Appendix 2 to this ANNEX A, for each of the following components (and included within their respective transport containers):
 - 3.8.3.1.3.1.1 Search endoscope & mirror equipment (para. 3.3.1);
 - 3.8.3.1.3.1.2 Electronic stethoscope (para. 3.3.6);
 - 3.8.3.1.3.1.3 Building access equipment (para. 3.3.7);
 - 3.8.3.1.3.1.4 Vehicle access equipment (para. 3.3.8);
 - 3.8.3.1.3.1.5 General (Engineer) multi-piece tool equipment (para. 3.3.9);
 - 3.8.3.1.3.1.6 Non-magnetic/sparking tool equipment (para. 3.3.13);
 - 3.8.3.1.3.1.7 Non-magnetic/sparking excavation equipment (para. 3.3.14);
 - 3.8.3.1.3.1.8 Hook and line equipment (para. 3.3.15)
 - 3.8.3.1.3.1.9 Clamp equipment (para. 3.3.16), and
 - 3.8.3.1.3.1.10 Lightweight EOD tool and hook and line equipment.
- 3.8.3.1.4 Illustrated Parts Manual
 - 3.8.3.1.4.1 The Contractor shall deliver an Illustrated Parts Manual IAW CDRL SRES-ILS-204 at Appendix 3 and its associated DID SRES-ILS-204 at Appendix 2 to this ANNEX A;
- 3.8.3.2 The Contractor shall deliver all Technical Publications in English and French (Canadian);

- 3.8.3.3 The Contractor shall have all Technical Publication text translated by certified translators, such as members of an authorized provincial association of translators to ensure the quality of translated text;
- 3.8.3.4 The Contractor shall ensure all translations are consistent with approved DND terminology. Approved terminology sources, in order of priority, are as follows:
 - 3.8.3.4.1 Concise Oxford Dictionary (for English);
 - 3.8.3.4.2 Petit Robert (for French);
 - 3.8.3.4.3 Termium, PWGSC Translation Bureau Linguistic Data Bank (<http://www.termiumpius.gc.ca/>); and
 - 3.8.3.4.4 Any other available source approved by DND.
- 3.8.3.5 **Copyright Release:** The Department of National Defence reserves the right to reproduce, in part or in whole, all publications produced under 3.8.3 supply of the publications shall include a royalty-free, irrevocable copyright release with rights of translation in English and/or French (refer to A-AD-100-100/AG-000) with the limitation that the data shall not be released outside the Canadian Government if the supplier so states.
- 3.8.4 Provisioning Documentation
 - 3.8.4.1 The Contractor shall prepare and deliver Provisioning Documentation for the SRES comprising of:
 - 3.8.4.2 **Interim Spares List**
 - 3.8.4.2.1 The Contractor shall deliver an Interim Spares List IAW CDRL SRES-ILS-205 at Appendix 3 and its associated DID SRES-ILS-205 at Appendix 2 to this ANNEX A.
 - 3.8.4.3 **Provisioning Parts Breakdown**
 - 3.8.4.3.1 The Contractor shall deliver a Provisioning Parts Breakdown List IAW CDRL SRES-ILS-206 at Appendix 3 and its associated DID SRES-ILS-206 at Appendix 2 to this ANNEX A.
 - 3.8.4.4 **Supplementary Provisioning Technical Documentation**
 - 3.8.4.4.1 The Contractor shall deliver the Supplementary Provisioning Technical Documentation IAW CDRL SRES-ILS-207 at Appendix 3 and its associated DID SRES-ILS-207 at Appendix 2 to this ANNEX A.
 - 3.8.4.5 **Special Tool & Testing Equipment**
 - 3.8.4.5.1 The Contractor shall deliver a Special Tool and Test Equipment List IAW CDRL SRES-ILS-208 at Appendix 3 and its associated DID SRES-ILS-208 at Appendix 2 to this ANNEX A.
- 3.8.5 **Initial Provisioning Guidance Conference**

3.8.5.1 The Contractor shall host an Initial Provisioning Guidance Conference (IPGC), this will ideally occur along with the Kick-off Meeting (3.7.3.2), but if not, shall occur no later than twenty-one (21) calendar days after the Kick-off Meeting.

3.8.5.2 The purpose of the IPGC is to clarify and explain the requirements of the Provisioning Documentation referred to in the contract in preparation for the Initial Provisioning Conference. The IPGC team will normally consist of no more than two DND representatives and should last one day.

3.8.6 Initial Provisioning Conference

3.8.6.1 The Contractor shall host an Initial Provisioning Conference (IPC), this will ideally occur after the Contractor has delivered all the Provisioning Documentation (PD).

3.8.6.2 The purpose of an Initial Provisioning Conference is to allow DND to verify that the Provisioning Documentation (PD) reflects the current and complete configuration of the equipment being procured by comparing it against full assembly drawings, and to select the range of spares required to support the system during an initial period of service of two years. For this purpose, the Contractor will be required to have available:

3.8.6.2.1 A suitable conference facility;

3.8.6.2.2 Engineering and product support assistance;

3.8.6.2.3 The equipment for physical examination, if feasible;

3.8.6.2.4 Engineering, reliability and maintainability data; and

3.8.6.2.5 Modification data, if applicable.

3.8.6.3 The Contractor shall provide a Meeting Agenda and record Minutes for the IPC consistent with the CDRL SRES-PM-002 and CDRL SRES-PM-003 and their associated DID SRES-PM-002 and DID SRES-PM-003.

3.8.7 Initial Operator/Maintainer Training

3.8.7.1 The Contractor shall provide Operator and Maintenance Training (Train-the-Trainer type) to a select group of EOD/IEDD Operators at Canadian Forces School of Military Engineering, Gagetown N.B, Canada;

3.8.7.2 This training shall be a one time, five (5) day course given to up to twelve (12) qualified EOD/IEDD operators;

3.8.7.3 The training shall be provided in English by a bilingual instructor in order for him to be able to understand and answer questions from the class in both official languages; English and Canadian French.

3.8.7.4 The course shall include all training relating to setup, operation (including training scenarios), SRES component capabilities/restrictions, re-packing, safety precautions, and operator maintenance of the SRES;

3.8.7.5 All training materiel provided shall be available in English and Canadian French.

3.8.7.6 The Contractor shall prepare and provide a Training Package IAW CDRL SRES-ILS-209 at Appendix 3 and its associated DID SRES-ILS-209 at Appendix 2 to ANNEX A;

3.8.8 Packaging, Labels and Codes

3.8.8.1 All parts and equipment supplied by the Contractor to DND, except the Interim Spares from 3.8.4.2 shall be packaged as per D-LM-008-001/SF-001. Preservation and Packaging Levels shall be selected based on criteria set out in Annex A of the referenced specification.

3.8.8.2 Packaging produced under 3.8.8.1 above shall be labeled as per D-LM-008-002/SF-001, using D-LM-008-011/SF-001 to prepare the required packaging and preservation codes.

3.8.8.2.1 The Contractor shall provide copies of the labels produced under 3.8.8.2 IAW CDRL SRES-ILS-210 at Appendix 3 to Annex A, and its associated DID SRES-ILS-210 at Appendix 2 to Annex A for review and approval prior to their production and use.

3.8.8.2.2 The Contractor shall provide a list of all Packaging Codes resolved under 3.8.8.2 above IAW CDRL SRES-ILS-210 at Appendix 3 to Annex A, and its associated DID SRES-ILS-210 at Appendix 2 to Annex A.

3.8.9 Identification Plates

3.8.9.1 The Contractor shall provide all required identification plates IAW CDRL SRES-ILS-211 at Appendix 3 and its associated DID SRES-ILS-211 at Appendix 2 to this ANNEX A.

3.8.9.2 The Contractor shall ensure that all required identification plates are affixed to each component of the SRES prior to delivery.

3.8.10 Controlled Goods List

3.8.10.1 Controlled Goods List: The Contractor shall provide a Controlled Goods list including the Demilitarization Code (DMC) IAW CDRL SRES-ILS-212 at Appendix 3 and its associated DID SRES-ILS-212 at Appendix 2 to ANNEX A.

3.8.10.2 The Contractor shall identify, for Initial Provisioning purposes, whether the end item, the components or sub-components are controlled goods.

3.8.10.3 The Contractor shall identify any components or sub-components that are specifically designed or modified for military purpose, and not spared as Controlled or Non-Controlled Goods to facilitate the production of Demilitarization Instructions. For items of US or Canadian origin that have been catalogued, the Demilitarization Code (DMC) will be provided.

3.8.11 Repair & Overhaul Plan

- 3.8.11.1 Repair & Overhaul Plan: The Contractor shall provide a Repair and Overhaul (R&O) Plan IAW CDRL SRES-ILS-213 at Appendix 3 and its associated DID SRES-ILS-213 at Appendix 2 to ANNEX A.

4.0 CONTRACT DELIVERABLES

4.1 General

- 4.1.1 The Contractor shall ensure that the SRESs are delivered correctly adjusted, lubricated and serviced such that the components are ready for operation and transportation;

4.2 List of Deliverables

Item	Item Description	Qty	Option (up to)
1	Search/Investigation Equipment (para. 3.1.2.1)	42	30
2	Non-magnetic/sparking Search/Investigation Equipment (para. 3.1.2.2)	42	30
3	Threat Removal/Mitigation Equipment (para. 3.1.2.3)	42	30
4	Lightweight Dismounted Operations Equipment (para. 3.1.2.4)	42	42
5	EOD Equipment Hand Truck (para. 3.1.2.5)	42	30
6	Extra consumables for Post blast analysis equipment (para. 3.3.4.3)	200 sets	
7	Project Management Plan (para 3.7.2)	LOT	
8	General Assembly Drawing(s) (para. 3.7.3.2.2)	1	
9	Meeting Agenda (para 3.7.3.4)	LOT	
10	Meeting Minutes (para 3.7.3.4)	LOT	
11	Operator/Repair/Maintenance Equipment Manual (para 3.8.3.1.1)	LOT	LOT
12	Operator/Repair/Maintenance Non-Magnetic Equipment Manual (para. 3.8.3.1.2)	LOT	LOT
13	Quick Reference Cards (para. 3.8.3.1.3)	LOT	LOT
14	Illustrated Parts Manual (para 3.8.3.1.4)	LOT	
15A	Interim Spares List (para. 3.8.4.2)	LOT	
15B	Option to acquire Interim Spares after approval from DND		LOT
16	Provisioning Parts Breakdown (para. 3.8.4.3)	LOT	
17	Supplementary Provisioning Technical Documentation (para. 3.8.4.4)	LOT	
18	Special Tool & Testing Equipment (para 3.8.4.5)	LOT	
19	Training Package (para. 3.8.7.6)	LOT	

20	Packaging, Labels and Codes (para. 3.8.8)	LOT	
21	Identification Plates (para. 3.8.9)	LOT	LOT
22	Controlled Goods List (para 3.8.10)	LOT	
23	Repair & Overhaul Plan (para. 3.8.11)	LOT	

4.3 Data Deliverable List

- 4.3.1 The Contractor shall prepare and deliver all data required under the Contract as summarized in section 4.2;
- 4.3.2 The Contractor shall maintain and update all data deliverables, including plans and documents, as required for the duration of the Contract;

4.4 Data Format

- 4.4.1 All data delivered as part of this SOW, other than those with specific requirements, shall be prepared in the Contractor's own format. All documentation shall be submitted in hardcopy and in electronic format using software, which is authorized by the DND. Delivery media containing compressed files shall also contain the decompression software;
- 4.4.2 Unless otherwise specified as a specific requirement, the Contractor shall deliver all of the soft copies of data deliverables, in formats compatible with the office software currently in use by the DND as listed in Appendix 1 of Annex A – DND Office Software List;
- 4.4.3 Those compatible formats shall allow the files to be recognized, opened, and viewed or read in their intended form and format using DND's office software, as well as allowing the user to modify, select, copy and paste information from the files to other DND office software files;

4.5 Delivery Schedule

- 4.5.1 The Contractor shall meet the following delivery schedule for the SRES:
- 4.5.1.1 First Delivery: Within one hundred eighty (180) calendar days following the Contract Award.
- 4.5.1.1.1 First delivery shall include the training serial and twelve (12) each of the following SRES equipment:
- 4.5.1.1.1.1 Search/Investigation Equipment (para. 3.1.2.1);
- 4.5.1.1.1.2 Non-magnetic/sparking Search/Investigation Equipment (para. 3.1.2.2);
- 4.5.1.1.1.3 Threat Removal/Mitigation Equipment (para. 3.1.2.3);
- 4.5.1.1.1.4 Lightweight Dismounted Operations Equipment (para. 3.1.2.4), and
- 4.5.1.1.1.5 EOD Equipment Hand Truck (para. 3.1.2.5).

4.5.1.1.2 First delivery shall only be initiated (will only be accepted) once the required data item deliverables are provided and accepted by DND. These consist of:

- 4.5.1.1.2.1 Operator/Repair/Maintenance Equipment Manual;
- 4.5.1.1.2.2 Operator/Repair/Maintenance Non-Magnetic Equipment Manual;
- 4.5.1.1.2.3 Quick Reference Cards;
- 4.5.1.1.2.4 Illustrated Parts Manual;
- 4.5.1.1.2.5 Interim Spares List;
- 4.5.1.1.2.6 Provisioning Parts Breakdown;
- 4.5.1.1.2.7 Supplementary Provisioning Technical Documentation;
- 4.5.1.1.2.8 Special Tool and Test Equipment;
- 4.5.1.1.2.9 Training Package;
- 4.5.1.1.2.10 Packaging, Labels and Codes;
- 4.5.1.1.2.11 Identification Plates, and
- 4.5.1.1.2.12 Controlled Goods List.

4.5.1.2 Last Delivery: the remaining SRES equipment and any other components within two hundred and seventy (270) calendar days following the Contract award.

APPENDIX 1 – DND OFFICE SOFTWARE LIST

This appendix lists the office software and operating system used by the DND TA:

- a) Microsoft (MS) Windows XP Professional Operating System (OS), Multilingual Pack, Service Pack 2;
- b) MS Internet Explorer (IE) 6.0 with 128 Bit Encryption and associated SP;
- c) MS Office 2003, Professional Edition, SP3, Multilanguage Pack (Word, Excel, Access, PowerPoint and Outlook);
- d) MS Project 2000;
- e) Quickview Plus 6.0;
- f) Adobe Acrobat 6.0;
- g) MS Visio 2000 (6.0);
- h) WinZip 8.1 SR-1; and
- i) Telelogic DOORS 8.1.

CONTRACT DATA REQUIREMENTS LIST
FOR THE
SEARCH AND REMOVAL EQUIPMENT SUITE (SRES)

1.0 CONTRACT DATA REQUIREMENT LIST (CDRL) ITEM LIST

CDRL #	Title	DID #
SRES-PM-001	Project Management Plan	SRES-PM-001
SRES-PM-003	Meeting Agenda	SRES-PM-002
SRES-PM-004	Meeting Minutes	SRES-PM-003
SRES-ILS-201	Operator/Repair/Maintenance Equipment Manual	SRES-ILS-201
SRES-ILS-202	Operator/Repair/Maintenance Non-Magnetic Equipment Manual	SRES-ILS-202
SRES-ILS-203	Quick Reference Cards	SRES-ILS-203
SRES-ILS-204	Illustrated Parts Manual	SRES-ILS-204
SRES-ILS-205	Interim Spares List	SRES-ILS-205
SRES-ILS-206	Provisioning Parts Breakdown	SRES-ILS-206
SRES-ILS-207	Supplementary Provisioning Technical Documentation	SRES-ILS-207
SRES-ILS-208	Special Tool and Test Equipment	SRES-ILS-208
SRES-ILS-209	Training Package	SRES-ILS-209
SRES-ILS-210	Packaging, Labels and Codes	SRES-ILS-210
SRES-ILS-211	Identification Plates	SRES-ILS-211
SRES-ILS-212	Controlled Goods List	SRES-ILS-212
SRES-ILS-213	Repair & Overhaul Plan	SRES-ILS-213

CONTRACT DATA REQUIREMENT LIST (CDRL) DEFINITION

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 202-299 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/or 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 critical 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 shall 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/or 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:

ANNLY	Annually
ASGEN	As generated
ASREQ	As required
BI-MO	Every 2 months
BI-WK	Every 2 weeks
DAILY	Daily
MNTHY	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.

BLOCK 16 - REMARKS

Provides additional or clarifying information. Where other blocks refer to Block 16 – Remarks, then the associated block number is indicated with the information, and a "See Block 16" note would be entered in the referring block.

BLOCKS 17 - 19

These blocks are for Contractor input as required as part of the RFP or Contract. These blocks are not used by TA.

BLOCK - PREPARED BY

This block identifies the CDRL originator's name and designation.

BLOCK - DATE

This block indicates the date of the CDRL approval.

BLOCK - APPROVED BY

This block contains the identification information, such as name and designation, of the person approving the CDRL.

**APPENDIX 3 TO ANNEX A
TO W8476-112761
DATED 28 FEB 2013**

CONTRACT DATA REQUIREMENTS LIST					DND Form 1413																
A. SYSTEM / ITEM Search and Removal Equipment Suite (SRES)					B. CONTRACT / RFP NUMBER W8476-112761																
C. SOW IDENTIFIER SRES SOW		D. DATA CATEGORY Management Data			E. CONTRACTOR TBD																
1. ITEM NUMBER CDRL SRES-PM-001		2. TITLE OR DESCRIPTION OF DATA Project Management Plan (PMP)			3. SUBTITLE N/A																
4. AUTHORITY (Data Item Number) DID SRES-PM-001		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.7.2			6. REQUIRING OFFICE DND TA																
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 N/A		11. AS OF DATE	13. DATE OF SUB SUBMISSION See Block 16		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" rowspan="3">A. ADDRESS</td> <td colspan="4">B. COPIES</td> </tr> <tr> <td colspan="2">DRAFT</td> <td colspan="2">FINAL</td> </tr> <tr> <td>Hard Copy</td> <td>Soft Copy</td> <td>Hard Copy</td> <td>Soft Copy</td> </tr> </table>				A. ADDRESS		B. COPIES				DRAFT		FINAL		Hard Copy	Soft Copy	Hard Copy
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		DRAFT		FINAL																	
		Hard Copy	Soft Copy	Hard Copy	Soft Copy																
16. REMARKS Block 12: A draft PMP shall be submitted for review within thirty (30) calendar days after the Kick-off Meeting. Response Time: Comments on the PMP will be provided by Canada within fourteen (14) calendar days of receipt. Block 13: The updated PMP, addressing the comments from Canada, shall be submitted for acceptance within fourteen (14) calendar days after the receipt of comments.					PWGSC CA		1	1	1	1											
					DND TA		1	1	1	1											
PREPARED BY DND SRES TA		APPROVED BY DND SRES PM/DCSEM 9																			
DATE		DATE			15. TOTAL																
17. CONTRACT FILE/DOC NUMBER	18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE		2	2	2	2													

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C. SOW IDENTIFIER BDS SOW		D. DATA CATEGORY Management Data			E. CONTRACTOR TBD															
1. ITEM NUMBER CDRL BDS-PM-003		2. TITLE OR DESCRIPTION OF DATA Meeting Agenda			3. SUBTITLE N/A															
4. AUTHORITY (Data Item Number) DID BDS-PM-003		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.7.3.4.2			6. REQUIRING OFFICE DND TA															
7. INSPECTION DD	9. INPUT	10. FREQUENCY ASGEN	12. DATE OF 1 st SUBMISSION		14. DISTRIBUTION and ADDRESSEES															
8. APP CODE N/A		11. AS OF DATE	13. DATE OF SUB SUBMISSION		<table border="1"> <tr> <td rowspan="3">A. ADDRESS</td> <td colspan="4">B. COPIES</td> </tr> <tr> <td colspan="2">DRAFT</td> <td colspan="2">FINAL</td> </tr> <tr> <td>Hard Copy</td> <td>Soft Copy</td> <td>Hard Copy</td> <td>Soft Copy</td> </tr> </table>				A. ADDRESS	B. COPIES				DRAFT		FINAL		Hard Copy	Soft Copy	Hard Copy
A. ADDRESS	B. COPIES																			
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16. REMARKS Block 12: The Meeting Agenda shall be submitted for review no later than fourteen (14) calendar days prior to each meeting. Response Time: Comments on the Meeting Agenda, including additions or deletions of discussion items, will be provided by the Crown no later than seven (7) calendar days of receipt. Block 13: The revised Meeting Agenda addressing the comments from the Crown shall be tabled at the meeting.					PWGSC CA	1	1	1	1											
					DND TA	1	1	1	1											
PREPARED BY DND BDS TA		APPROVED BY DND BDS PM/DCSEM 9																		
DATE		DATE			15. TOTAL	2	2	2	2											
17. CONTRACT FILE/DOC NUMBER	18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE																	

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C. SOW IDENTIFIER BDS SOW		D. DATA CATEGORY Management Data			E. CONTRACTOR TBD																				
1. ITEM NUMBER CDRL BDS-PM-004		2. TITLE OR DESCRIPTION OF DATA Meeting Minutes			3. SUBTITLE N/A																				
4. AUTHORITY (Data Item Number) DID BDS-PM-004		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.7.3.4.3			6. REQUIRING OFFICE DND TA																				
7. INSPECTION DD	9. INPUT	10. FREQUENCY ASGEN	12. DATE OF 1 st SUBMISSION		14. DISTRIBUTION and ADDRESSEES																				
8. APP CODE A		11. AS OF DATE	13. DATE OF SUB SUBMISSION		<table border="1"> <tr> <td colspan="2">A. ADDRESS</td> <td colspan="4">B. COPIES</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">DRAFT</td> <td colspan="2">FINAL</td> </tr> <tr> <td colspan="2"></td> <td>Hard Copy</td> <td>Soft Copy</td> <td>Hard Copy</td> <td>Soft Copy</td> </tr> </table>				A. ADDRESS		B. COPIES						DRAFT		FINAL				Hard Copy	Soft Copy	Hard Copy
A. ADDRESS		B. COPIES																							
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16. REMARKS Block 12: Meeting minutes shall be submitted for review no later than seven (7) calendar days following each meeting. Response Time: Comments on the meeting minutes will be provided by the Crown no later than seven (7) calendar days of receipt. Block 13: Revised meeting minutes addressing the comments from the Crown shall be submitted for approval no later than seven (7) calendar days of receipt of comments.					PWGSC CA		1	1	1	1															
					DND TA		1	1	1	1															
PREPARED BY DND BDS TA		APPROVED BY DND BDS PM/DCSEM 9																							
DATE		DATE			15. TOTAL		2	2	2	2															
17. CONTRACT FILE/DOC NUMBER	18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE																						

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C. SOW IDENTIFIER BDS SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD																
1. ITEM NUMBER CDRL SRES-ILS-201		2. TITLE OR DESCRIPTION OF DATA Operator/Repair/Maintenance Equipment Manual			3. SUBTITLE N/A																
4. AUTHORITY (Data Item Number) DID SRES-ILS-201		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.3.1.1.			6. REQUIRING OFFICE XRIS 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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" rowspan="3">A. ADDRESS</td> <td colspan="4">B. COPIES</td> </tr> <tr> <td colspan="2">DRAFT</td> <td colspan="2">FINAL</td> </tr> <tr> <td>Hard Copy</td> <td>Soft Copy</td> <td>Hard Copy</td> <td>Soft Copy</td> </tr> </table>				A. ADDRESS		B. COPIES				DRAFT		FINAL		Hard Copy	Soft Copy	Hard Copy
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		DRAFT		FINAL																	
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16. REMARKS Block 12. The Contractor shall provide a draft Operator/Repair/Maintenance Equipment Manual for review no later than eighty-four (84) calendar days after the Kick off meeting date. Response Time: Comments on the Operator/Repair/Maintenance Equipment Manual will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: The revised Operator/Repair/Maintenance Equipment Manual, addressing Canada comments shall be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments. Note: The Operator/Repair/Maintenance Equipment Manual will be required for training and a copy of the manual must accompany the SRES (Appendix A 3.1.2.1) on delivery.					PWGSC CA		0	1	1	1											
					DND SRES ILSM		1	1	1	1											
					Issued with Annex A Table 4.2 Item 1		0	0	42	0											
PREPARED BY SRES ILS Technician		APPROVED BY BDS ILS Manager																			
DATE		DATE			15. TOTAL																
17. CONTRACT FILE/DOC NUMBER	18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE		1	2	44	2													

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C. SOW IDENTIFIER BDS SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD															
1. ITEM NUMBER CDRL SRES-ILS-202		2. TITLE OR DESCRIPTION OF DATA Operator/Repair/Maintenance Non-Magnetic Equipment Manual			3. SUBTITLE N/A															
4. AUTHORITY (Data Item Number) DID SRES-ILS-202		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.3.1.2.			6. REQUIRING OFFICE XRIS 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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="3" style="width: 20%;">A. ADDRESS</td> <td colspan="4">B. COPIES</td> </tr> <tr> <td colspan="2">DRAFT</td> <td colspan="2">FINAL</td> </tr> <tr> <td style="font-size: small;">Hard Copy</td> <td style="font-size: small;">Soft Copy</td> <td style="font-size: small;">Hard Copy</td> <td style="font-size: small;">Soft Copy</td> </tr> </table>				A. ADDRESS	B. COPIES				DRAFT		FINAL		Hard Copy	Soft Copy	Hard Copy
A. ADDRESS	B. COPIES																			
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16. REMARKS Block 12. The Contractor shall provide a draft Operator/Repair/Maintenance Non-Magnetic Equipment Manual for review no later than eighty-four (84) calendar days after the Kick off meeting date. Response Time: Comments on the Operator/Repair/Maintenance Non-Magnetic Equipment Manual will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: The revised Operator/Repair/Maintenance Non-Magnetic Equipment Manual, addressing Canada comments shall be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments. Note: Operator/Repair/Maintenance Non-Magnetic Equipment Manual will be required for training and a copy of the manual shall accompany the SRES (Appendix A 3.1.2.2) on delivery.					PWGSC CA		0	1	1	1										
					DND SRES ILSM		1	1	1	1										
					Issued with Annex A Table 4.2 Item 2		0	0	42	0										
PREPARED BY SRES ILS Technician		APPROVED BY BDS ILS Manager																		
DATE		DATE			15. TOTAL <div style="display: flex; justify-content: space-around;"> 1 2 20 2 </div>															
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE																

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C. SOW IDENTIFIER BDS SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD																
1. ITEM NUMBER CDRL SRES-ILS-203		2. TITLE OR DESCRIPTION OF DATA Quick Reference Cards			3. SUBTITLE N/A																
4. AUTHORITY (Data Item Number) DID SRES-ILS-203		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.3.1.3.			6. REQUIRING OFFICE XRIS ILS Manager																
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16		14. DISTRIBUTION and ADDRESSEES																
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A. ADDRESS		B. COPIES																			
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		Hard Copy	Soft Copy	Hard Copy	Soft Copy																
16. REMARKS Block 12: The Contractor shall provide one (1) set of draft (draft hard copies do not need to be laminated) Quick Reference Cards, for the ten items listed under Annex A para. 3.8.3.1.3.1, for review at the same time as the submission of the Operator Manuals (SRES-ILS-201 and SRES-ILS-202). Response Time: Comments on the one (1) set of Quick Reference Cards will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: The revised one (1) set of Quick Reference Cards, addressing Canada comments shall be submitted for acceptance no later than fourteen (14) calendar days of receipt of comments. Note: The Quick Reference Cards will be required for the training session Note: A set is considered 10 Quick Reference Cards, unless quantity otherwise defined.					PWGSC CA		0 set	1 set	1 set	1 set											
					DND SRES ILSM		1 set	1 set	1 set	1 set											
					Issued with SRES kits		0	0	42 sets	0											
PREPARED BY SRES ILS Technician		APPROVED BY BDS ILS Manager																			
DATE		DATE			15. TOTAL																
17. CONTRACT FILE/DOC NUMBER		18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE	1 sets	2 sets	LOT	2 sets													

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C. SOW IDENTIFIER SRES SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD															
1. ITEM NUMBER CDRL SRES-ILS-204		2. TITLE OR DESCRIPTION OF DATA Illustrated Parts Manual			3. SUBTITLE N/A															
4. AUTHORITY (Data Item Number) DID SRES-ILS-204		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.3.1.4.			6. REQUIRING OFFICE SRES 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		<table border="1"> <tr> <td rowspan="3">A. ADDRESS</td> <td colspan="4">B. COPIES</td> </tr> <tr> <td colspan="2">DRAFT</td> <td colspan="2">FINAL</td> </tr> <tr> <td>Hard Copy</td> <td>Soft Copy</td> <td>Hard Copy</td> <td>Soft Copy</td> </tr> </table>				A. ADDRESS	B. COPIES				DRAFT		FINAL		Hard Copy	Soft Copy	Hard Copy
A. ADDRESS	B. COPIES																			
	DRAFT		FINAL																	
	Hard Copy	Soft Copy	Hard Copy	Soft Copy																
16. REMARKS Block 12. The Contractor shall provide a draft Illustrated Parts Manual for review no later than seventy (70) calendar days after the Kick off Meeting date. Response Time: Comments on the Illustrated Parts Manual will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: Master copy: The master copy addressing the comments of Canada and other changes resulting from configuration changes must be submitted for review and acceptance no later than fourteen (14) calendar days following acceptance of the set of technical documentation. The master copy received of the Illustrated Parts Manual will be considered as the final copy.					PWGSC CA	0	1	1	1											
					DND ILSM	1	1	3	1											
PREPARED BY SRES ILS Manager		APPROVED BY SRES ILS Manager																		
DATE		DATE			15. TOTAL															
17. CONTRACT FILE/DOC NUMBER	18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE		1	2	4	2												

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C. SOW IDENTIFIER SRES SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD																
1. ITEM NUMBER CDRL SRES-ILS-205		2. TITLE OR DESCRIPTION OF DATA Interim Spares List			3. SUBTITLE N/A																
4. AUTHORITY (Data Item Number) DID SRES-ILS-205		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.4.2			6. REQUIRING OFFICE SRES 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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" rowspan="3">A. ADDRESS</td> <td colspan="4">B. COPIES</td> </tr> <tr> <td colspan="2">DRAFT</td> <td colspan="2">FINAL</td> </tr> <tr> <td>Hard Copy</td> <td>Soft Copy</td> <td>Hard Copy</td> <td>Soft Copy</td> </tr> </table>				A. ADDRESS		B. COPIES				DRAFT		FINAL		Hard Copy	Soft Copy	Hard Copy
A. ADDRESS		B. COPIES																			
		DRAFT		FINAL																	
		Hard Copy	Soft Copy	Hard Copy	Soft Copy																
16. REMARKS Block 12. The Contractor shall provide a draft Interim Spares List for review no later than fourteen (14) calendar days after the Kick off Meeting date. Response Time: Comments on the Interim Spares List will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: The revised Interim Spares List, addressing Canada comments shall be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments.					PWGSC CA		0	1	1	1											
					DND ILSM		1	1	1	1											
PREPARED BY SRES ILS Technician		APPROVED BY SRES ILS Manager																			
DATE		DATE			15. TOTAL																
17. CONTRACT FILE/DOC NUMBER	18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE		1	2	2	2													

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C. SOW IDENTIFIER SRES SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD																				
1. ITEM NUMBER CDRL SRES-ILS-206		2. TITLE OR DESCRIPTION OF DATA Provisioning Parts Breakdown			3. SUBTITLE N/A																				
4. AUTHORITY (Data Item Number) DID SRES-ILS-206		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.4.3			6. REQUIRING OFFICE SRES 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		<table border="1"> <tr> <td colspan="2">A. ADDRESS</td> <td colspan="4">B. COPIES</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">DRAFT</td> <td colspan="2">FINAL</td> </tr> <tr> <td colspan="2"></td> <td>Hard Copy</td> <td>Soft Copy</td> <td>Hard Copy</td> <td>Soft Copy</td> </tr> </table>				A. ADDRESS		B. COPIES						DRAFT		FINAL				Hard Copy	Soft Copy	Hard Copy
A. ADDRESS		B. COPIES																							
		DRAFT		FINAL																					
		Hard Copy	Soft Copy	Hard Copy	Soft Copy																				
16. REMARKS Block 12. The Contractor shall provide a draft Provisioning Parts Breakdown for review at the same time as the draft Illustrated Parts Manual. Response Time: Comments on the Provisioning Parts Breakdown will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: The revised Provisioning Parts Breakdown, addressing Canada comments shall be submitted for acceptance no later than fourteen (14) calendar days the receipt of comments.					PWGSC CA	0	1	1	1																
					DND ILSM	2	1	2	1																
PREPARED BY SRES ILS Manager		APPROVED BY SRES ILS Manager																							
DATE		DATE			15. TOTAL																				
17. CONTRACT FILE/DOC NUMBER	18. ESTIMATED NO OF PAGES		19. ESTIMATED PRICE		2	2	3	2																	

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C. SOW IDENTIFIER SRES SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD																
1. ITEM NUMBER CDRL SRES-ILS-207		2. TITLE OR DESCRIPTION OF DATA Supplementary Provisioning Technical Documentation			3. SUBTITLE N/A																
4. AUTHORITY (Data Item Number) DID SRES-ILS-207		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.4.4			6. REQUIRING OFFICE SRES ILS Manager																
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16		14. DISTRIBUTION and ADDRESSEES																
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		DRAFT		FINAL																	
		Hard Copy	Soft Copy	Hard Copy	Soft Copy																
16. REMARKS Block 12. The Contractor shall provide the Supplementary Provisioning Technical Documentation for review at the same time as the draft Provisioning Parts Breakdown. Response Time: Comments on the Supplementary Provisioning Technical Documentation will be provided by Canada no later than fourteen (14) calendar days after reception. Block 13: The revised Supplementary Provisioning Technical Documentation addressing Canada comments shall be submitted for acceptance no later than fourteen (14) calendar days the receipt of comments.					SRES ILSM		0	0	1	1											
					PWGSC CA		0	0	1	1											
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TO W8476-112761
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C. SOW IDENTIFIER SRES SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD																
1. ITEM NUMBER CDRL SRES-ILS-208		2. TITLE OR DESCRIPTION OF DATA Special Tool & Test Equipment List			3. SUBTITLE N/A																
4. AUTHORITY (Data Item Number) DID SRES-ILS-208		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.4.5			6. REQUIRING OFFICE SRES 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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" rowspan="3">A. ADDRESS</td> <td colspan="4">B. COPIES</td> </tr> <tr> <td colspan="2">DRAFT</td> <td colspan="2">FINAL</td> </tr> <tr> <td>Hard Copy</td> <td>Soft Copy</td> <td>Hard Copy</td> <td>Soft Copy</td> </tr> </table>				A. ADDRESS		B. COPIES				DRAFT		FINAL		Hard Copy	Soft Copy	Hard Copy
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16. REMARKS Block 12. The Contractor shall provide a draft Special Tool & Test Equipment List for review no later than twenty-one (21) calendar days after the Kick off Meeting date. Response Time: Comments on the Special Tool & Test Equipment List will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: The revised Special Tool & Test Equipment List, addressing Canada comments shall be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments.					PWGSC CA		0	1	1	1											
					DND ILSM		1	1	1	1											
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1. ITEM NUMBER CDRL SRES-ILS-209		2. TITLE OR DESCRIPTION OF DATA Training Package			3. SUBTITLE N/A															
4. AUTHORITY (Data Item Number) DID SRES-ILS-209		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.7.6			6. REQUIRING OFFICE SRES ILS Manager															
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16		14. DISTRIBUTION and ADDRESSEES															
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16. REMARKS Block 12. The Contractor shall provide a draft Training Package for review no later than seventy (70) calendar days after the Kick off Meeting date. Response Time: Comments on the Training Package will be provided by Canada no later than thirty (30) calendar days after receipt of draft submission. Block 13: The revised Training Package, addressing Canada comments shall be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments. The training package will be required for the training session					PWGSC CA	0	1	1	1											
					DND ILSM	1	1	2	2											
PREPARED BY SRES ILS Manager		APPROVED BY SRES ILS Manager																		
DATE		DATE			15. TOTAL	1	2	3	3											
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C. SOW IDENTIFIER SRES SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD																				
1. ITEM NUMBER CDRL SRES-ILS-210		2. TITLE OR DESCRIPTION OF DATA Packaging, Labels and Codes			3. SUBTITLE N/A																				
4. AUTHORITY (Data Item Number) DID SRES-ILS-210		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.8			6. REQUIRING OFFICE SRES ILS Manager																				
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16		14. DISTRIBUTION and ADDRESSEES																				
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16. REMARKS <p>Block 12: The Packaging, Labels and Codes shall be submitted for evaluation and review within forty-two (42) calendar days after the Kick-off Meeting.</p> <p>Response Time: Comments on Packaging, Labels and Codes will be provided by the Crown within twenty-one (21) calendar days of their respective receipts.</p> <p>Block 13: Revisions to the Packaging, Labels and Codes, addressing the comments from the Crown, shall be submitted for acceptance within fourteen (14) calendar days of receipt of respective comments.</p> <p>Revisions/Additions to the Packaging, Labels and Codes shall also be provided once a range of spares are selected for purchase, following the IPC, by DND to support the equipment.</p>					PWGSC CA		0	1	1	1															
					DND ILSM		1	1	1	1															
					DSCO		1	1	1	1															
PREPARED BY SRES ILS Technician		APPROVED BY SRES ILS Manager																							
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C. SOW IDENTIFIER SRES SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD															
1. ITEM NUMBER CDRL SRES-ILS-211		2. TITLE OR DESCRIPTION OF DATA Identification Plates			3. SUBTITLE N/A															
4. AUTHORITY (Data Item Number) DID SRES-ILS-211		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.9			6. REQUIRING OFFICE SRES ILS Manager															
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16		14. DISTRIBUTION and ADDRESSEES															
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16. REMARKS Block 12. The Contractor shall provide a draft Identification Plates for review no later than twenty-eight (28) calendar days after the Kick off Meeting date. Response Time: Comments on the Identification Plates will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: The revised Identification Plates, addressing Canada comments shall be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments.					PWGSC CA	0	1	1	1											
					DND ILSM	1	1	1	1											
PREPARED BY SRES ILS Manager					APPROVED BY SRES ILS Manager															
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C. SOW IDENTIFIER SRES SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD																				
1. ITEM NUMBER CDRL SRES-ILS-212		2. TITLE OR DESCRIPTION OF DATA Controlled Goods List			3. SUBTITLE N/A																				
4. AUTHORITY (Data Item Number) DID SRES-ILS-212		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.10			6. REQUIRING OFFICE SRES ILS Manager																				
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16		14. DISTRIBUTION and ADDRESSEES																				
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16. REMARKS Block 12. The Contractor shall provide a draft Controlled Goods List for review no later than thirty (30) calendar days after the Kick off Meeting date. Response Time: Comments on the Controlled Goods List will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: The revised Controlled Goods List, addressing Canada comments shall be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments.					PWGSC CA		0	1	1	1															
					DND ILSM		1	1	1	1															
PREPARED BY SRES ILS Manager		APPROVED BY SRES ILS Manager																							
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C. SOW IDENTIFIER SRES SOW		D. DATA CATEGORY Integrated Logistics Support			E. CONTRACTOR TBD																
1. ITEM NUMBER CDRL SRES-ILS-213		2. TITLE OR DESCRIPTION OF DATA Repair & Overhaul Plan			3. SUBTITLE N/A																
4. AUTHORITY (Data Item Number) DID SRES-ILS-213		5. CONTRACT REFERENCE ANNEX A - SOW Para. 3.8.11			6. REQUIRING OFFICE SRES ILS Manager																
7. INSPECTION DD	9. INPUT	10. FREQUENCY ONE/R	12. DATE OF 1 st SUBMISSION See Block 16		14. DISTRIBUTION and ADDRESSEES																
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16. REMARKS Block 12. The Contractor shall provide a draft Repair & Overhaul Plan for review no later than forty-nine (49) calendar days after the Kick off Meeting date. Response Time: Comments on the Repair & Overhaul Plan will be provided by Canada no later than fourteen (14) calendar days after receipt of draft submission. Block 13: The revised Repair & Overhaul Plan, addressing Canada comments shall be submitted for acceptance no later than fourteen (14) calendar days after the receipt of comments.					PWGSC CA		0	1	1	1											
					DND ILS M		1	1	1	1											
PREPARED BY SRES ILS Manager		APPROVED BY SRES ILS Manager																			
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