STATEMENT OF WORK

Document No:
Contract No:
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For

The Department of National Defence and Canadian Armed Forces, Chief of Defence Intelligence and Commander of Canadian Forces Intelligence Command Industry Engagement (Evaluation of IRM&CM Software and tools)

Prepared for:

Issue date: <dd MMM yyyy>

This document is under the control of XXXX. All changes or revisions shall be approved by the Project Authority.

APPROVAL RECORD

Recommended by:	[Name] Project Authority	Date (dd Month yyyy)
Reviewed by:	[Name] [Title]	Date (dd Month yyyy)
Approved by:	[Name] Manager	Date (dd Month yyyy)

REVISION HISTORY

Revision Level	Description of Change	Paragraphs Affected	Issue Date
Original	Original Submission	N/A	
Change 1	Editorial corrections		
Change 2	Editorial corrections		

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1.0 INTRODUCTION

1.0.1 The Department of National Defence (DND) and Canadian Armed Forces (CAF) seeks to conduct a Directed Trial and Evaluation of commercial-off-the-shelf (COTS) and/or mature technological Intelligence Requirements Management and Collection Management (IRM&CM) solutions, while protecting intellectual property and proprietary information. Given the short response timeline and proposed evaluation dates, this invite for an Industry Engagement will not be extended to companies that produce IRM&CM tools/software that require approvals for International Traffic in Arms Regulations (ITAR).

1.0.2 **Venue Location and Tentative Schedule.** Contingent on responses to this Industry Engagement invite/Request for Information (RFI), this event is tentatively scheduled sometime during the month of-June 2024. Event activities are planned for a period of 10 business days between the hours of 0800-1600 Eastern Standard Time at the Major General Pearkes Building, 101 Colonel-by Drive, Ottawa, Ontario, Canada.

1.1 PURPOSE OF DND/CAF HOSTED INDUSTRY ENGAGEMENT (EVALUATION OF IRM&CM SOFTWARE AND TOOLS)

1.1.1 The purpose of this event is to proactively engage with industry/Third Party Vendors to better understand COTS and/or mature technological IRM&CM software capabilities, interconnectivity, and compatibility. Specifically, this trial and evaluation will assist in determining the tested IRM&CM software and tools' ability to integrate and support DND/ CAF, IRM&CM processes with FVEY, NATO and coalition IRM&CM software, systems, applications, and tools. Simulated scenarios will isolate the STANAG 4559 AEDP-19 responsive software for further consideration of DND/ CAF investment. Additionally, compliant STANAG 4559, AEDP-17 Coalition Shared Datastore (CSD) synchronizations to facilitate the search, discovery and access of intelligence will be a consideration, however, the emphasis will be on the IRM&CM software functionality.

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1.2 BACKGROUND

1.2.1 Enterprise IRM&CM are functions conducted at all levels of command, from various physical and virtual locations using specific sets of integrated processes. They are necessary to support manager and user' tasks with required services essential to satisfying the intelligence and information exchange requirements. Those needs focus on making best use of the available tasking, collection, processing, exploitation, and controlled dissemination (TCPED) with intelligence processing/exploitation capabilities. IRM&CM is therefore dependent on the intelligence cycle and its triggers to deliver relevant effects.

It ensures intelligence requirements are searchable, accessible, manageable, releasable, and modifiable. These elements enable information to be processed and integrated with the capabilities and architecture they operated from, and in accordance with focused and prioritized tasks.

1.3 SECURITY

1.3.1 The IRM&CM trial will be conducted at a restricted access location (Major General Pearkes Building, Ottawa, Ontario, Canada), in an UNCLASSIFIED standalone controlled environment (using virtual machines). Moreover, the event's floor layout will be comprised of separate workspaces, an Assessment Cell for each vendor software suite and one centralised Evaluation Cell.

1.4 RESPONDENT INSTRUCTIONS

1.4.1 This Industry Consultation process is not a bid solicitation, and a contract will not result from this request.

1.4.2 Potential respondents are advised that any information submitted to Canada in response to this Industry Consultation process may be used by Canada in the development of a subsequent competitive RFP. However, the Government is not bound to accept any Expression of Interest or to consider it further in any associated documents such as a RFP.

1.4.3 The issuance of this Industry Consultation process does not create an obligation for Canada to issue a subsequent RFP, and does not bind Canada legally or otherwise, to enter into any agreement or to accept any suggestions from organizations. Canada reserves the right to accept or reject any or all comments received.

1.4.4 There will be no short listing of firms for purposes of undertaking any future work, as a result of this request. Similarly, participation in this Industry Consultation process is not a condition or prerequisite for participation in any RFP(s).

1.4.5 Companies participating in this Industry Consultation process should identify any submitted information that is to be considered as either company confidential or proprietary.

1.4.6 All enquiries and other communications related to this Industry Consultation process shall be directed exclusively to the PSPC Procurement Authority.

1.4.7 Submission of Responses

1.4.8 Canada is requesting responses to the requirements contained in Annex B – RFI Expression of Interest to participate no later than 24 May 2024. After reviewing the

responses, Canada intends to post any requests for clarification confirmation of date of the event through the Public Service Procurement Canada (PSPC) Contract authority (identified below) by 20 May 2024. Given the shortened deadlines, earlier responses are encouraged.

1.4.9 Respondents with questions regarding this SOW and RFI may direct their enquiries to:

Name: Lieutenant Commander Elizabeth Eldridge
Title: DND/CAF - CFINTCOM J4 Logistics
Telephone: 343-573-9061
E-mail: Elizabeth.Eldridge@forces.gc.ca

Because this is not a bid solicitation, Canada may publish additional questions for the purposes of gaining additional information. Canada asks Respondents to visit Buyandsell.gc.ca regularly to check for changes, if any.

1.5 Special Instructions Regarding Question and Response Engagement

1.5.1 Industry participants are not expected to meet all EVENT parameters and criteria. The questions listed in this letter are intended to help prepare DND and CAF Event Leads, and Industry participants in planning, executing, and supporting the event objectives for the benefit of all relevant parties. The queries and responses from this Letter will also assist with all relevant parties in delivering a proof of concept in terms of timely: Force Development (FD); Force Generate (FG), Force Employ (FE) (Execute & Support); Force Sustainment (FS), including in service support (remotely, virtually, voice or physically) prior, during and after this event. This letter to and respective responses from Industry will ensure protection of intellectual property, transparency and common overarching knowledge needed between the DND/CAF Host.

1.5.2 External factors imposed by the venue and the conduct of the directed evaluation will shape objective results concerning the tool capability to meet some IRM&CM requirements dependencies. This does not imply the need for the Vendor's product to provide the capability requested to be "embedded inside their tool" or to bring the "necessary integration solutions to achieve those capabilities", but it leaves the options to Industry to showcase IRM&CM use and integration solutions showcased. Vendors are not expected to deliver processes and technical solutions used in the event's data flow, but they would benefit to have that knowledge and ability to better integrate their product prior to and during the event.

1.6 Notes to Interested Firm(s)

1.6.1 This Industry Consultation process is not a bid solicitation, and a contract is not guaranteed from this request.

1.6.2 The issuance of this Industry Consultation process does not create an obligation for Canada to issue a subsequent request for proposal (RFP), and does not bind Canada legally or otherwise, to enter into any agreement or to accept any suggestions from organizations. Canada reserves the right to accept or reject any or all comments received.

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All enquiries and other communications related to this Industry Consultation process shall be directed exclusively to Lieutenant Commander Elizabeth Eldridge (Elizabeth.Eldridge@forces.gc.ca).

ANNEX A – Server/Laptop Configuration

PacStar 453

NVIDIA GPU Enhanced Server Module

Specifications and standards

Performance Specifications

- Intel Xeon D 12-Core processor, up to 128 GB RAM
- NVIDIA Quadro T1000, Turing architecture, 128-bit 4GB GDDR6, 896 CUDA cores, 2.6 TFLOPS FP32 peak performance
- Dual, user-removable 2.5" SSD (7 mm), SATA 6Gb/s, up to 15.36 TB each, 30.72 TB total

Physical Specifications

- Dimensions 5.3" x 7.1" x 3.7"
- Weight 3.5 lbs.

Connectors

- (2) 10 Gbps SFP+
- (2) 1 Gbps RJ45
- (1) RS-232 RJ45
- (2) USB 3.1
- (1) HDMI (onboard video)
- (4) DisplayPort (GPU video)

Power Specifications

- Wide range DC input, 11-35V
- World-wide AC power input (with adapter cable)
- Power draw: 140 watts

Key Features

- A wide variety of supported software options available including technologies from Aruba Networks, Cisco, Digital Barriers, Kinetica, VMware, and more
- Intel 6th generation Xeon D processing platform with 12-cores
- NVIDIA GPU with 896 CUDA cores
- (2) SFP+ 10 GigE ports
- TPM 2.0
- Compatible with existing PacStar 400-Series modules, chassis, and accessories
- Compact design for flexible packing and transport
- Small, but powerful: only 5.3" x 7.1" x 3.4" and 3.5 lbs.

<u>System Information (Laptops)</u>

HP ZBook Fury 17.3 inch G8 Mobile Workstation PC
SMBIOSBIOSVersion=T95 Ver. 01.11.00
System CPU 11th Gen Intel(R) Core(TM) i9-11950H @ 2.60GHz
Operating System: Microsoft Windows 10 Pro, Version=10.0.19045
Graphics System: Intel(R) UHD GraphicsDriverVersion=31.0.101.3358

ANNEX B: Mandatory Test Requirements List

Serial	Requirement	Vendor Comments
1	Requirements Management (RM) Service Requirements	
1.1	Requirements Management Service Entity Artifact Requirements	
1.1.1	The IRM & CM System shall be able to manage the following types of RM Entity Artifacts:	
1.1.1a	· Intelligence Requirements (IRs)	
1.1.1b	· Requests For Information (RFIs)	
1.1.1c	· Intelligence Collection Plans (ICPs)	
1.2	Requirements Management Service Functional Requirements	
1.2.1	The IRM & CM System shall provide the ability to manage RM Entity Artifacts (i.e. IRs, RFIs, or ICPs):	
1.2.1a	· Create an RM Entity Artifact (i.e. IR, RFI, or ICP)	
1.2.1b	· Read (i.e. View) an RM Entity Artifact (i.e. IR, RFI, or ICP)	
1.2.1c	· Update (Modify) an RM Entity Artifact (i.e. IR, RFI, or ICP)	
1.2.1d	· Delete (CRUD) an RM Entity Artifact (i.e. IR, RFI, or ICP)	
1.2.1e	· Archive an RM Entity Artifact (i.e. IR, RFI, or ICP)	
1.2.2	The IRM & CM System shall provide the ability to copy selected information from searches for Entity information and paste the information into the RM Entity Artifact (IR, RFI, or ICP) that is being developed.	
1.2.3	The IRM & CM System shall provide the ability to create Specific Intelligence Requirements (SIRs), Essential Elements of Information (EEIs) and/or Indicators from IRs and retain the associations between them.	
1.2.4	The IRM & CM System shall provide the ability to create an outgoing RFI from an IR and retain the association between them.	
1.2.5	The IRM & CM System shall provide the ability to create an IR from an incoming RFI and retain the association between them.	
1.2.6	The IRM & CM System shall provide the ability to assign or modify a workflow status value to reflect the state of the RM Entity Artifacts (IR, RFI, or ICP) in the workflow (i.e. unvalidated, consolidated, redundant, approved, in action, stopped, partially completed, completed, unfulfilled).	
1.2.7	The IRM & CM System shall provide the ability to visualize the current workflow status of an RM Entity Artifact (IR, RFI, or ICP).	
1.2.8	The IRM & CM System shall provide the ability to allow an authorized IRM User to capture the following information for IR's in the ICP:	
1.2.8a	o By which means an IR can best be satisfied	
1.2.8b	o The frequency of coverage which is required	
1.2.8c	o The type of product required	

Serial	Requirement	Vendor Comments
1.2.8d	o The general level of detail required	
1.2.8e	o The organization, agencies or assets that are best suited to the task	
1.2.9	The IRM & CM System shall provide the ability to display (visualize) and edit an ICP in these formats:	
1.2.9a	o Tabularly (matrix form),	
1.2.9b	o chronologically,	
1.2.9c	o geographical,	
1.2.9d	o summarized.	
1.2.10	The IRM & CM System shall provide the ability to assign or modify the Priority of an RM Entity Artifact (IR, RFI, or ICP).	
1.2.11	The IRM & CM System shall provide the ability to associate: an RM Entity Artifact (IR, RFI, or ICP) with:	
1.2.11a	o an RM Entity Artifact (IR, RFI, or ICP) with an Operation	
1.2.11b	o an RM Entity Artifact (IR, RFI, or ICP) with a Collection Requirement (CR)	
1.2.11c	o an RM Entity Artifact (IR, RFI, or ICP) with an ISR Request (ISRR)	
1.2.11d	o an RM Entity Artifact (IR, RFI, or ICP) with an JISR Result file	
1.2.11e	o an Operation with an RM Entity Artifact (IR, RFI, or ICP)	
1.2.11f	o a Collection Requirement (CR) with an RM Entity Artifact (IR, RFI, or ICP)	
1.2.11g	o an ISR Request (ISRR) with an RM Entity Artifact (IR, RFI, or ICP)	
1.2.11h	o a JISR Result file with an RM Entity Artifact (IR, RFI, or ICP)	
1.2.12	The IRM & CM System shall provide the ability to associate:	
1.2.12a	o an ICP with an IR	
1.2.12b	o an ICP with n RFI	
1.2.12e	o an IR with an ICP	
1.2.12f	o an RFI with an ICP	
1.2.13	The IRM & CM System shall provide the ability to associate an IR with an RFI.	
1.2.14	The IRM & CM System shall provide the ability to associate an RFI with an IR.	
1.2.15	The IRM & CM System shall provide the ability to assign (i.e. Route) an RM Entity Artifact (IR, RFI, or ICP) to the unit(s) that will be tasked with the Collection or Exploitation Tasks.	
1.2.16	The IRM & CM System shall provide the ability to allow authorized users to Subscribe to RM Entity Artifacts in the IRM & CM Storage & Dissemination Repository.	
1.2.17	The IRM & CM System shall provide the ability to allow authorized users to Publish (i.e. Store) RM Entity Artifacts in the IRM & CM Storage & Dissemination Repository.	

Serial	Requirement	Vendor Comments
1.2.18	The IRM & CM System shall provide the ability to notify authorized users when RM Entity Artifacts are published (i.e. stored) in the IRM & CM Storage & Dissemination Repository, if they are subscribed to them via one of the following methods:	
1.2.18a	o By using an IRM & CM Application notification	
1.2.18b	o By using a text message	
1.2.18c	o By using an email message	
1.2.19	The IRM & CM System shall provide the ability to manage ICPs for different operations and different timeframes (Day+1, Day+2, Day+3, etc.).	
2	Collection Management (CM) Service Requirements	
2.1	Collection Management Service Entity Artifact Requirements	
2.1.1	The IRM & CM System shall be able to manage the following types of CM Entity Artifacts:	
2.1.1a	· Collection Requirements (CRs)	
2.1.1b	· ISR Requests (ISRRs)	
2.1.1c	· Collection and Exploitation Plans (CXPs)	
2.1.1d	· Collection Requirements Lists (CRLs)	
2.1.1e	· Collection Task Lists (CTLs)	
2.1.1f	· ISR Tasks	
2.1.1g	· JISR Results files	
2.1.1h	· Intelligence Collection Opportunity Notices (ICONs)	
2.2	Collection Management Service Functional Requirements	
2.2.1	The IRM & CM System shall provide the ability to manage CM Entity Artifacts (CRs, ISRRs, CXPs, CRLs, CTLs, ISR Tasks or JISR Results, ICONs).	
2.2.1a	· Create CM Entity Artifacts	
2.2.1b	· Read (i.e. View) CM Entity Artifacts	
2.2.1c	· Update (Modify) CM Entity Artifacts	
2.2.1d	· Delete, CM Entity Artifacts	
2.2.1e	· Archive CM Entity Artifacts	
2.2.2	The IRM & CM System shall provide the ability to copy selected information from searches for Entity information and paste the information into the CM Entity Artifacts (CRs, ISRRs, CXPs, CRLs, CTLs, ISR Tasks or JISR Results, ICONs) that are being developed.	
2.2.3	The IRM & CM System shall provide the ability to assign or modify a workflow status value to reflect the state of the CM Entity Artifacts in the workflow.	
2.2.4	The IRM & CM System shall provide the ability to visualize the current workflow status of a CM Entity Artifact.	
2.2.5	The IRM & CM System shall provide the ability to assign a Priority to a CM Entity Artifact.	

Serial	Requirement	Vendor Comments
2.2.6	The IRM & CM System shall provide the ability to assign a CR to a Unit (routes the CR to the Unit) that will be tasked with collection or exploitation of the information.	
2.2.7	The IRM & CM System shall provide the ability to assign an ISRR to a Unit (routes the ISRR to the Unit) that will be tasked with collection or exploitation of the information.	
2.2.8	The IRM & CM System shall provide the ability to assign an ISR Task to a Unit (routes the ISR Task to the Unit that will be tasked with collection of the information). The ISR Task could be a Collection Task or Exploitation Task.	
2.2.9	The IRM & CM System shall provide the ability to assign an ISR Task to a JISR System that will be tasked with collection or exploitation of the information. The ISR Task could be a Collection Task or Exploitation Task.	
2.2.10	The IRM & CM System shall provide the ability to associate:	
2.2.10a	· a CR with an IR	
2.2.10b	· an IR with a CR	
2.2.10c	· a CR with an ICP	
2.2.10d	· an ICP with a CR	
2.2.10e	· a CR with a CRL	
2.2.10f	· a CRL with a CR	
2.2.10g	· a CR with a CTL	
2.2.10h	· a CTL with a CR	
2.2.10i	· a CR with a CXP	
2.2.10j	· a CXP with a CR	
2.2.10k	· a CR with an ISRR	
2.2.10l	· an ISRR with a CR	
2.2.10n	· a CR with an ISR Task	
2.2.10o	· an ISR Task with a CR	
2.2.10p	· a CR with a JISR Result	
2.2.10q	· a JISR Result with a CR	
2.2.10r	· a CR with an ICON	
2.2.10s	· an ICON with a CR	
2.2.11	The IRM & CM System shall provide the ability to associate:	
2.2.11a	· an ISRR with an IR	
2.2.11b	· an IR with a ISRR	
2.2.11c	· an ISRR with an ICP	
2.2.11d	· an ICP with an ISRR	
2.2.11e	· an ISRR with a CRL	
2.2.11f	· a CRL with an ISRR	
2.2.11g	· an ISRR with a CTL	
2.2.11h	· a CTL with an ISRR	
2.2.11i	· an ISRR with a CXP	
2.2.11j	· a CXP with an ISRR	
2.2.11k	· an ISRR with an ISR Task	
2.2.11l	· an ISR Task with an ISRR	
2.2.11m	· an ISRR with a JISR Result	
2.2.11o	· a JISR Result with an ISRR	

Serial	Requirement	Vendor Comments
2.2.11p	· an ISRR with an ICON	
2.2.11q	· an ICON with an ISRR	
2.2.12	The IRM & CM System shall provide the ability to Create, Read (i.e. View), Update (Modify), Delete, (CRUD), and Archive a CXP as:	
2.2.12a	· a Table (matrix form)	
2.2.12b	· an ISR Synchronization Matrix. This is a graphical representation that ties the CXP to an operation and the commander's intelligence needs.	
2.2.12c	· an ISR Overlay. This is a geographic representation of proposed JISR asset tasking.	
2.2.13	The IRM & CM System shall provide the ability to allow an authorized User to manage the list of:	
2.2.13a	· prioritized JISR Collection and Exploitation Requirements for CRLs.	
2.2.13b	· prioritized JISR Collection and Exploitation Requirements for CTLs.	
2.2.14	The IRM & CM System shall provide the ability to manage CXPs for different Operations and different timeframes (Day+1, Day+2, Day+3, etc.).	
2.2.15	The IRM & CM System shall provide the ability to manage CRLs for different Operations and different timeframes (Day+1, Day+2, Day+3, etc.).	
2.2.16	The IRM & CM System shall provide the ability to manage CTLs for different Operations and different timeframes (Day+1, Day+2, Day+3, etc.).	
2.2.17	The IRM & CM System shall allow authorized users to Subscribe to CM Entity Artifacts in the IRM & CM Storage & Dissemination Repository.	
2.2.18	The IRM & CM System shall allow authorized users to Publish to CM Entity Artifacts in the IRM & CM Storage & Dissemination Repository.	
2.2.19	The IRM & CM System shall allow authorized users to notify authorized users when CM Entity Artifacts are published (i.e. stored) in the IRM & CM Storage & Dissemination Repository, if they are subscribed to them, using the following methods:	
2.2.19a	· By using an IRM & CM Application notification	
2.2.19b	· By using a text message	
2.2.19c	· By using an email message	
2.2.20	ICONs inform authorized users about the availability of JISR Results files that may be of interest to them.	
2.2.21	The IRM & CM System shall allow authorized users to manage Intelligence Collection Opportunity Notices (ICONs).	
2.2.21a	· Create ICONs.	
2.2.21b	· Read (i.e. View) ICONs.	
2.2.21c	· Update (Modify) ICONs.	
2.2.21d	· Delete ICONs.	
2.2.21e	· Archive ICONs	

Serial	Requirement	Vendor Comments
2.2.22	The IRM & CM System shall allow authorized users to assign (i.e. Route) an ICON to Units or individuals to advertise that JISR Results (i.e. collected information), which may be of interest, is available.	
2.2.23	The IRM & CM System shall allow authorized users to associate an ICON with JISR Results files.	
2.2.24	The IRM & CM System shall allow authorized users to associate JISR Results files with ICON files.	
3	IRM & CM Storage & Dissemination Repository (ICSDR) Service Requirements	
3.1	IRM & CM Storage & Dissemination Repository Service Artifact File Types	
3.1.1	The IRM & CM System shall provide services for the persistent storage, management, and dissemination of the following types of RM Entity Artifacts and CM Entity Artifacts:	
3.1.1a	o IRs	
3.1.1b	o RFIs	
3.1.1c	o ICPs	
3.1.1d	o CXPs	
3.1.1e	o CRs	
3.1.1f	o ISRRs	
3.1.1g	o ISR Tasks (Collection or Exploitation Tasks)	
3.1.1h	o CRLs	
3.1.1i	o CTLs	
3.1.1j	o JISR Results files, such as images, videos, and other sensor products	
3.1.1k	o ICONs	
3.2	IRM & CM Storage & Dissemination Repository Service Requirements	
3.2.1	The IRM & CM System shall provide persistent storage for any of the IRM & CM Entity Artifacts.	
3.2.2	The IRM & CM System shall update the metadata (synchronizes) associated with IRM & CM Entity Artifact files stored in its own data stores, and with other IRM & CM Storage & Dissemination Repositories that are part of the network, in accordance with the NATO STANAG 4559 AEDP-19 Ed 4 Standard.	
3.2.3	The IRM & CM System shall allow authorized users to view the metadata associated with any of the IRM & CM Entity Artifacts in data stores, provided that they meet the security criteria associated with the items.	
3.2.4	The IRM & CM System shall allow authorized users to Subscribe to any of the IRM & CM Entity Artifacts using the search criteria key words, date and time ranges, and Boolean operators provided that they meet the with the items.	
3.2.5	The IRM & CM System shall allow authorized users to Publish (store) the IRM & CM Entity Artifacts in the IRM & CM Storage & Dissemination Repository.	

Serial	Requirement	Vendor Comments
3.2.6	The IRM & CM System shall allow authorized users to create or remove associations between various IRM & CM Entity Artifacts in the IRM & CM Storage & Dissemination Repository.	
3.2.7	The IRM & CM System shall allow authorized users to update (provide a new version of) an IRM & CM Entity Artifact file and maintain the associations between the new version of the file and to the same files that the previous version had.	
3.2.8	The IRM & CM System shall allow authorized users to request the download of any of the IRM & CM Entity Artifacts provided that they meet the security criteria associated with the subscribed items.	
3.2.9	The IRM & CM System provide an extensible data model in the IRM & CM Storage & Dissemination Repository Service for forward and backward compatibility.	
3.2.10	The IRM & CM System provide access to the functions listed above via a web-based browser interface.	
3.2.11	The IRM & CM System provide access to the functions listed above via a thick-client desktop interface.	
4	IRM & CM Support Service (ISS) Requirements	
4.1	Operation Management Service	
4.1.1	The IRM & CM System shall allow an IRM & CM Entity to be associated with an Operation. An “Operation” is defined as a military activity to carry out a mission. Multiple Operations may be underway or may be planned.	
4.1.2	The Operation Management Service shall be able to configure up to 100 Operations, which will then form the basis for the assignment and management of IR’s, PIR’s, SIR’s, EEI’s, RFIs, ICPs, CRs, CXPs, CRLs, CTLs, JISR Results files, ORBATs, Units and JISR Systems that are associated with specific Operation.	
4.2	Organization Management Service	
4.2.1	An “ORBAT” shows the hierarchical organization, command structure, strength, disposition of personnel, and equipment of units and formations of the armed forces. In NATO STANAG 4559 AEDP-19, an ORBAT is a grouping of units and JISR systems.	
4.2.2	The IRM & CM System shall be able to import and configure the ORBAT.	
4.2.3	The IRM & CM System shall be able to import and configure JISR Systems (assets or collection agencies).	
4.2.4	The IRM & CM System shall provide the ability to visualize the ORBAT via different means (GANTT Chart, for example).	
4.2.5	The IRM & CM System shall provide the ability to visualize the availability and location of the JISR Systems.	
4.3	Geographic Area of Interest (GAOI) Management Service	
4.3.1	GAOIs may be one of the following types:	
4.3.1a	· Named Areas of Interest (NAIs),	

Serial	Requirement	Vendor Comments
4.3.1b	· Target Areas of Interest (TAIs),	
4.3.1c	· Areas of Intelligence Responsibility (AIRs) and	
4.3.1d	· Areas of Intelligence Interest (AIIs).	
4.3.2	The IRM & CM System shall provide the ability to manage a GAOI of any of the 4 types of GAOIs (NAI; TAI; AIR; and AII) using the Graphical User Interface (GUI).	
4.3.3	The IRM & CM System shall provide the ability to Create a GAOI.	
4.3.4	The IRM & CM System shall provide the ability to Read (i.e. View) a GAOI.	
4.3.5	The IRM & CM System shall provide the ability to Update (i.e. Modify) a GAOI.	
4.3.6	The IRM & CM System shall provide the ability to Delete a GAOI.	
4.3.7	The IRM & CM System shall provide the ability to Archive a GAOI.	
4.3.8	The IRM & CM System shall provide the ability to display a GAOI graphically.	
4.3.9	The IRM & CM System shall provide the ability to associate a GAOI with an IR, an ICP, an RFI, a CR, an ISRR, an ISR Task, a JISR Results file.	
4.4	Workflow Management Service	
4.4.1	The IRM & CM System shall provide the ability to manage workflows and workflow status as specified in NATO STANAG 4559 AEDP-19 Edition 4 for:	
4.4.1a	· The IRM & CM System shall provide the ability to manage workflows and workflow status for IRs	
4.4.1b	· The IRM & CM System shall provide the ability to manage workflows and workflow status for RFIs	
4.4.1c	· The IRM & CM System shall provide the ability to manage workflows and workflow status for ICPs	
4.4.1d	· The IRM & CM System shall provide the ability to manage workflows and workflow status for CXPs	
4.4.1d	· The IRM & CM System shall provide the ability to manage workflows and workflow status for CRs	
4.4.1e	· The IRM & CM System shall provide the ability to manage workflows and workflow status for ISRRs	
4.4.1f	· The IRM & CM System shall provide the ability to manage workflows and workflow status for ISR Tasks	
4.4.2	The IRM & CM System shall provide a visualization of the workflows and workflow status for each of the IRM and CM Entity Artifacts listed above.	
4.4.3	It is desirable that the IRM & CM System allow authorized users to configure (customize) the IRM & CM workflows for the specific DND/CAF business processes, while retaining compatibility with NATO STANAG 4559 AEDP-19 Edition 4.	
4.5	Role Management Service	
4.5.1	The IRM & CM System shall provide the ability to manage a Role.	

Serial	Requirement	Vendor Comments
4.5.1a	o The IRM & CM System shall provide the ability to Create a Role.	
4.5.1b	o The IRM & CM System shall provide the ability to Read (i.e. View) a Role.	
4.5.1c	o The IRM & CM System shall provide the ability to Update (i.e. Modify) a Role.	
4.5.1d	o The IRM & CM System shall provide the ability to Delete a Role.	
4.5.1e	o The IRM & CM System shall provide the ability to Archive a Role.	
4.5.2	Once created, a role shall have a set of security attributes which determine its access privileges.	
4.5.3	The IRM & CM System shall allow authorized users to manage both privileged and operator IRM & CM roles.	
4.5.4	The IRM & CM System shall be able to manage the following IRM & CM privileged roles and the associated access privileges:	
4.5.4a	o Security Administrator	
4.5.4b	o Database Administrator	
4.5.4c	o Software Administrator	
4.5.5	The IRM & CM System shall be able to manage the following IRM & CM operational roles and the associated access privileges:	
4.5.5a	· Theatre Collection Manager (TCM)	
4.5.5b	· Chief IRM & CM	
4.5.5c	· Collection Requirement Manager (CRM)	
4.5.5d	· Collection Operations Manager (COM)	
4.5.5e	· ISR Operator	
4.5.5f	· IR Manager	
4.5.5g	· RFI Manager	
4.5.5h	· Information/Knowledge Manager	
4.5.5i	· PED Manager	
4.5.5j	· Production Manager	
4.5.5k	· Analysts	
4.5.6	The IRM & CM System shall be able to create and manage custom IRM & CM privileged roles and the associated access privileges, as required.	
4.5.7	The IRM & CM System shall be able to create and manage custom IRM & CM operational roles and the associated access privileges, as required.	
4.6	Security Management Service	
4.6.1	The IRM & CM System shall be capable of processing entities and data up to the TS//SI/TK security markings.	
4.6.2	The IRM & CM System shall be capable of being accredited for deployment in a Level 3 production environment.	
4.6.3	Protective markings shall be retained on all data throughout its lifecycle	
4.6.4	The system shall enforce/enable the classification and releasability of meta-tagging system entities	

Serial	Requirement	Vendor Comments
4.6.5	The system shall enforce/enable the classification and releasability markings on paragraphs	
4.6.6	The system shall enforce/ enable the classification and releasability of IRM and CM entities and documents	
4.6.7	The system shall enforce/ enable the classification and Releasability of IRM and CM of attached files	
4.6.8	The system shall manage access to entities and artifacts within the system IAW identity access management (IdAM) established policies	
4.6.9	The system shall manage users' ability to search and receive results for entities and artifacts within the system IAW identity access management (IdAM) established policies	
4.7	Prioritization Management Service	
4.7.1	The IRM & CM System shall allow authorized users to manage the priority associated with any IRM & CM Entity Artifacts.	
4.8	Subscription Management Service	
4.8.1	The IRM & CM System shall provide authorized users with the ability to subscribe to and retrieve IRM & CM Entity Artifacts and JISR Results files from the IRM & CM Storage & Dissemination Repository.	
4.9	Publication Management Service	
4.9.1	The IRM & CM System shall provide the ability to publish (store) and version control IRM & CM Entity Artifacts to the IRM & CM Storage & Dissemination Repository for eventual dissemination to subscribed users.	
4.10	Search/Discovery Service	
4.10.1	The IRM & CM System shall provide the ability to search for IRM & CM Entity Artifact information and metadata using:	
4.10.1a	o Key words	
4.10.1b	o Date and Time ranges	
4.10.1c	o Operation reference	
4.10.1d	o Organization Unit reference	
4.10.1e	o JISR System reference	
4.10.1f	o Entity Artifact type (e.g. IR, CR, Etc.)	
4.10.1g	o Location Reference	
4.10.1h	o Graphically by using geofencing	
4.10.1i	o Boolean operators	
4.10.1j	o By using any combination of the above criteria.	
4.10.2	The IRM & CM System shall provide the ability to copy the selected information from the search results and paste this information into an IRM & CM Entity Artifact file	
4.11	Geographic Information System (GIS) Management Service	
4.11.1	The IRM & CM System shall be integrated with a GIS application or service which shall provide the geospatial visualizations of the IRM & CM Entity Artifacts files.	
4.12	Report Management Service	

Serial	Requirement	Vendor Comments
4.12.1	The IRM & CM System shall provide the ability to create custom and canned reports from IRM and CM information.	
4.12.2	The IRM & CM System shall provide the ability to create reports on IRM & CM information graphically e.g. using timelines, histogram, or pie charts.	
4.12.3	The IRM & CM System shall provide the ability to create reports on IRM & CM information using tables.	
4.13	Visualization Management Service	
4.13.1	The IRM & CM System shall provide the User Interface for the display of:	
4.13.1a	· Workflows and workflow status	
4.13.1b	· Graphical views of IRM & CM Entity geospatial relationships	
4.13.1c	· Graphical views of IRM & CM Entity temporal relationships	
4.13.1d	· Tabular views of IRM & CM Entity relationships	
4.13.1e	· IRM & CM Entity Artifacts files.	
4.13.2	The IRM & CM System shall provide access to the functions listed above via a web-based browser interface.	
4.13.3	It is desirable that the IRM & CM System provide access to the functions listed above via a thick-client desktop interface, as well.	
4.13.4	The IRM & CM System shall provide the User Interface for all IRM & CM functionality in both official languages.	
4.13.4a	The system's interface shall provide the user access to data and features in English	
4.13.4b	The system's interface shall provide the user access to data and features in French	
4.13.4c	The system shall be capable of accurately translating between both official languages	
4.14	Log Management Service	
4.14.1	The IRM & CM System shall provide 2 types of logs for use in generating:	
4.14.1a	· Security operational statistics and associated alerts or indicators	
4.14.1b	· IRM & CM system operational statistics and associated alerts or indicators	
4.14.1c	· IRM & CM process operational statistics and associated alerts or indicators	
4.14.2	The IRM & CM System shall be able to capture security operational statistics for:	
4.14.2a	· Unauthorized login access attempts	
4.14.2b	· Unauthorized IRM & CM Entity Artifact access attempts	
4.14.3	The IRM & CM System shall be able to capture system operational statistics for:	
4.14.3a	· Resource usage thresholds exceeded	
4.14.3b	· Service or component failures	
4.14.3c	· Connection failures	

Serial	Requirement	Vendor Comments
4.14.4	The IRM & CM System shall be able to capture IRM & CM process operational statistics for:	
4.14.4a	· Measures of Performance (MoP) e.g. number of times an artifact is disseminated, number of dissemination failures	
4.14.4b	· Measures of Effectiveness (MoE) e.g. wrong information provided in response to IRs, RFIs, ICPs etc.; time required to provide collected information exceeded x amount of time.	
4.15	System Health Management Service	
4.15.1	The IRM & CM System shall provide a display of:	
4.15.1a	· The health status of the IRM and CM services e.g. component x has failed.	
4.15.1b	· The deployment status of IRM & CM services e.g. component x has been deployed and is in operation.	
4.15.1c	· The network connection status of IRM & CM services e.g. connection to the network is up or down.	
4.15.1d	· The performance status of IRM & CM services e.g.:	
4.15.1d.1	o up time,	
4.15.1d.2	o down time,	
4.15.1d.3	o availability	
4.15.2	The IRM & CM System shall provide the ability to set thresholds for performance indicators. Example, resource usage has exceeded 75 %.	
4.15.3	The IRM & CM System shall provide audible and visual alerts when there are failures or exceeded thresholds.	
4.15.4	The IRM & CM System shall allow authorized users to drill down to obtain more information when there are alerts, indicators or anomalies caused by failures or exceeded thresholds.	
5	IRM & CM Service Non-Functional Requirements	
5.1	Response Time	
5.1.1	The IRM & CM System shall respond to user commands or requests within 1 second or it shall provide a progress indicator if the response to the command or request will take longer than 5 seconds.	
5.2	Capacity	
5.2.1	The IRM & CM System shall support up to 100 users performing IRM & CM activities simultaneously.	
5.2.2	The IRM & CM System shall support up to 1000 user accounts at any point in time.	
5.2.3	The IRM & CM System shall support up to 100 JISR Collection Systems performing IRM & CM activities simultaneously.	
5.2.4	The IRM & CM System shall support an unlimited number of IRM & CM Entities, Operations, ORBATS, and JISR Systems, subject only to engineering resources limits associated with the base infrastructure that the IRM & CM System is running on.	

Serial	Requirement	Vendor Comments
5.3	Availability & Down Time	
5.3.1	The IRM & CM System shall be available 99.9% of the time.	
5.3.2	The IRM & CM System shall not be down for more than 10 hours for all outages combined in 1 year.	
5.3.3	The IRM & CM System shall not be down for more than 1 hour for any single outage.	
5.4	IRM & CM System Hosting Environment	
5.4.1	The IRM & CM System shall run in a virtualized environment that uses Nutanix hardware with VMWare or Hyper-V hypervisors.	
5.5	NATO Interoperability Standards Support	
5.5.1	The IRM & CM System shall meet the NATO STANAG 4559 AEDP-19 Edition 4 Standard for the support of coalition operations in distributed and collaborative environments.	
5.6	Integration with other Products & Systems	
5.6.1	The IRM & CM System shall be able to extract IRM & CM data and export the data to MS-Office products (MS-Excel, MS-Word, MS-PowerPoint).	
5.6.2	It is desirable that the IRM & CM System provide an API to allow integration with other TSE systems such as:	
5.6.2a	· Unified Communications (e.g. VoIP, chat),	
5.6.2b	· Enterprise Social Networking Capability (ESNC),	
5.6.2c	· Data Analysis Capability (DAC), and	
5.6.2d	· Data Analysis Production (DAP).	
5.6.3	It is desirable that the IRM & CM System provide an API to allow integration with other COTS products and systems that will be used for viewing, collecting, exploiting, and disseminating IRM & CM artifacts (IRs, ICPs, JISR Results files, etc.) in the TSE such as:	
5.6.3a	· Imagery	
5.6.3b	· Full Motion Video,	
5.6.3c	· Streaming Video	
5.7	Maintenance and Support	
5.7.1	It is desirable that the IRM & CM System be supported by employees of the vendor or certified partners of the vendor that are located in Ottawa.	
5.7.1a	The system shall be supported through software updates and patches	
5.7.1b	The system infrastructure shall be supported through hardware upgrades, repair, and life cycling	
5.7.2	It is desirable that the IRM & CM System provide on-line access to a trouble ticket system for registering issues or service requests about the IRM & CM System with the vendor.	
5.8	Future Feature Development & Capability Development Roadmap	

Serial	Requirement	Vendor Comments
5.8.1	It is desirable that the IRM & CM System provide a Capability Roadmap for feature development that is visible for at least 2 years into the future.	
5.9	Cross-Domain Exchanges	
5.9.1	The IRM & CM System interface shall facilitate the exchange of data by Information Exchange Gateways to support cross-domain exchanges of IRM & CM information between the TS and SECRET environments in both directions.	
5.9.1a	The exchange of IRM and CM Entities and data shall be compliant with release and disclosure policies	
5.9.2	It is desirable that the IRM & CM System be able to ingest IRM & CM information from the Unclassified environment once it has not been deemed a security risk.	
5.10	On-Line Documentation & On-Line Help	
5.10.1	The IRM & CM System shall provide on-line documentation without being connected to the Internet.	
5.10.2	The IRM & CM System shall provide on-line help without being connected to the Internet.	
5.11	Training	
5.11.1	The IRM & CM System shall offer the following types of classroom training in the National Capital Region (NCR):	
5.11.1a	· Technical training for DND/CAF Support users	
5.11.1b	· Operational training for DND/CAF operational users	
5.11.2	It is desirable that IRM & CM System also offer classroom training in other cities in Canada:	
5.11.2a	· Technical training for DND/CAF Support users	
5.11.2b	· Operational training for DND/CAF operational users	
5.11.3	The IRM & CM System shall offer the following types of Train-the-Trainer training in the NCR:	
5.11.3a	· Technical training for DND/CAF Support users	
5.11.3b	· Operational training for DNDNCAF operational users	
5.12	Security Standards Compatibility	
5.12.1	It is desirable that IRM & CM System be compatible with NATO Standards ADatP-4774 Confidentiality Metadata Label Syntax & ADatP-477 Metadata Binding Mechanism.	
5.12.2	It is desirable that IRM & CM System be compatible with the Attribute-Based Access Control (ABAC) Standard which will be used by Canadian and FVEY countries.	

ANNEX C: Additional Screening Questions for Industry

2 NON-BINDING QUESTIONS

2.0.1 **DND/CAF IRM&CM Environment**. When providing feedback (no later than 20 May 2024), vendors are asked to consider if the IRM&CM product is interoperable with other IRM&CM tools/systems with priority on NATO STANDARD STANAG 4559 Edition 4 and beyond, focusing specifically the Allied Engineering Documentation Publication (AEDP-19), but accounting for necessary systemic and network baseline interdependencies associated with AEDP-17 and AEDP-18 critical to end-to-end operational and technical integration needs (Databases, data format, object centric information schemas with or without micro services and federated architectures).

2.0.2. Part of the test involves the ability of the vendor IRM&CM tools and Cross Domain Solutions (CSD) to interoperate with NATO and Canadian enterprise network infrastructures. This includes the ability of the tested tools/systems to process structured and unstructured data, automated metadata stamping, and adherence to Canadian and international security policies and doctrinal workflow processes such as the NATO AintP-14 (Intelligence) and AintP-16 (ISR) "IRM&CM workflow process map" being harmonised. Effectively, the IRM&CM tool would have end-to-end integration at the national and on a pan-domain scale. Additionally, consideration should be given to potential limitations and restraints that industry tools could pose to proprietary/ITAR criteria, services, including management directions that can impact information exchange requirements and national accountabilities with regards to Canadian raw and processed data deliverables.

2.0.3 **Architecture/Infrastructure Questions. In addition to reviewing and responding to Annex B,** suppliers are asked to consider:

a. Can the IRM&CM tool/software/capability integrate (or embedded capability) with Geospatial Visualization Systems (GVS) such as ESRI, Google Earth, SC2PS, FalconView to enable geospatial/maps (and/or multi-intelligence all-source information) visualisation, tiling, management. (Taxonomy- TILING and GVS: *Ability to visualise all pertinent information to conduct task from* ***using manageable layering, including map geolocations displaying new and archived info, using icons, notifications, windows that can provide an overlapping view of info available and needed from one screen).***

b. Can the IRM&CM tool/software integrate with CAN, Allies and partners "**cross domain solutions**", up to level III (Top Secret) with their associated network baseline applications and standard interoperability capabilities?

c. Does the IRM&CM tool/software fulfill security requirements specific to Information Knowledge Management (IKM) capabilities (such as **business rules** and/or **automated/semi-automated information release (or object centric))** to support functionalities critical to users, managers and system administrators that must abide by existing policies?

d. Can the IRM&CM tool/software/capability integrate with critical CAN, Allies and partners databases (cloud, SharePoint, server, Object centric Data fabrics), especially with Coalition Shared Data Servers (CSD, STANAG 4559 fully or partially compliant) data flow architectures operating on live network through (synchronisation, replication and/or micro services)?

2.0.4 **Customization Questions**. When providing their feedback, suppliers are asked to consider:

e. Can the tools/capability **search, ingest, access, retain, modify and disseminate** by information content and by different data standards(models) to support and integrate IRM&CM tasks, request, collections, exploitation, management and necessary sharing & dissemination (Including near-Real time (NRT) and historical Raw data (STANAG 4609 (Motion Imagery), STANAG 4545 (Imagery), Processed data/reports/lists (PDF), Core services communication exchanges (digital workflow tools, email, chat, portals, VOIP), XML/RTF, unstructured user data/products (MS Suites (Word/doc; Excel; xls, PowerPoint, PPT, Visio, vsd), STANAG 7085, NIIA NATO ISR Architecture Standard baseline? Metadata most used standards)

f. Can this tool integrate critical timely relevant actionable information originating from or correlated to

Common Operating Picture (COP) and/or Common Intelligence Picture (CIP) systems, applications, databases?

g. Does this tool have any AI capabilities to assist IRM&CM user and manager tasks (embedded in the tool or configured to integrate other planning, tasking, information exchange IRM&CM tools or associated capabilities?)

h. Does the tool include or integrates with major core services critical to conduct interoperable communication processes (COMPLANs- Communications plan) needs to support IRM&CM functions and information exchanges? (IE. Federated Mission Network (FMN) C4 Network, INT, ISR Spiral 3 levels of interoperability and integration)

i. Does the tool have integrated (or embedded) "Metadata Editor capabilities" to ensure information and security management of IRM&CM data searched, accessed, disseminated and to be managed/retained with and without the sources and/or originators, editor, publishers, creators and other key IRM&CM roles and functions with an impact on data and metadata exchanges through this tool.

2.0.5 Support Questions. When providing feedback, suppliers are asked to consider:

j. Describe in-service support, to include, but not limited to, how updates and software servicing is delivered/managed, version control and modernization as standards evolve and if third-party vendors are part of the maintenance of the capability.

k. How frequent are their product versions & capability updates made available for release, training, upgrade installs if purchased?

l. How frequently, and based on what processes, the product baseline application changes, including patches and/or service packs to minimise impacts on operational effects and network status.

m. What is the process for updating/patching installations with no direct Internet connectivity; and

n. What are the licensing and service options offered with this product (e.g. subscription based, service based, capability based, enduring effects and integration insurance within the tool business planning to ensure tool relevance and efficiency for at least next decade without perpetual with yearly fees, etc.).

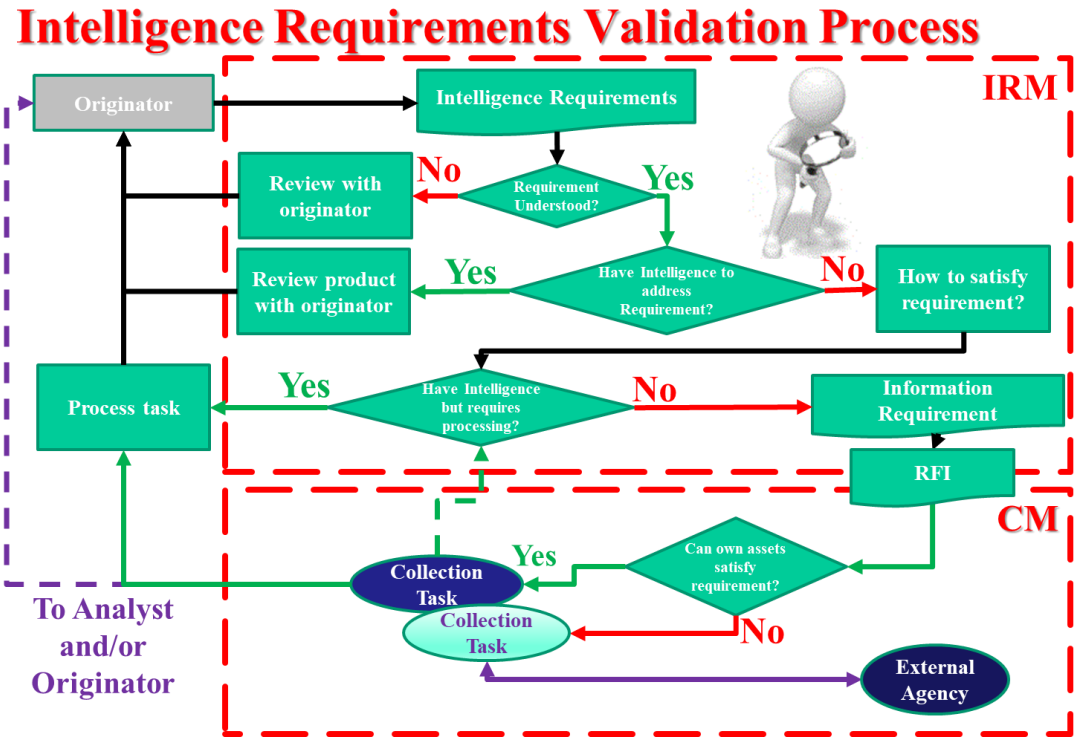
2.0.6 Procurement Questions:

o. Which initiatives have been implemented by the industry if they were tailored to support specific nationality and/or environmental (air, space, maritime, army, special forces) needs within the current version/Edition tool built and are those "build parameters" a limitation and/or a restraint that cannot be changed or altered in the tool in its next versions/editions?

p. Is there any other information or recommendations that should be considered? Please explain.

3 CAF and DND IRM&CM PROCESS MAP

Below is a process map of how DGIE generically intends to USE IRM&CM tools at their National Enterprise levels and using their technical and network solutions to achieve this objective. The visual depiction below should assist in better understanding exception of the information and processes that will be integrated within this event's sequence of events, IRM&CM scenarios, overall event operating construct, the assessors' teams workflow processes used (users and managers) and the venue specific parameters that will ensure control of intellectual property, security considerations (IKM) as well as information exchange requirements tying needs, technical and network parameters.



ANNEX D: References

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2. STANAG 4559 Ed. 4, NATO Standard ISR Library Interfaces and Services, 2017
3. AEDP-19, NATO Standard ISR Workflow Architecture, Edition A Version 1, March 2018.
4. AEDP-17, NATO Standard ISR Library Interface, 2017.
5. AIntP-14 Joint Intelligence, Surveillance and Reconnaissance Procedures in Support of NATO Operations, Edition A Version 1, October 2016 (in review).
6. AIntP-16 Intelligence Requirements Management and Collection Management, Edition A, Study Draft 1(in review).
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8. AJP-2.1 Allied Joint Doctrine for Intelligence Procedures, Edition B Version 1, June 2016 (in review).
9. AJP-2.7 Allied Joint Doctrine for Joint Intelligence, Surveillance and Reconnaissance, Edition A Version 1, July 2016.
10. CFJP 2-0, Intelligence, 1st Ed., March 2023.
11. CFJP 2.1, Intelligence Operations, 2017.
12. CFJP 2-7, Joint Intelligence, Surveillance, and Reconnaissance, (still in draft form – not published.

ANNEX E: Term(s) and Definition(s)

TERM/ACRONYM	ACRONYM	DEFINITION
Alert or warning indicators		These relate to preparations by an adversary for offensive action. At the strategic level, this could include the collapse of negotiations or issue of ultimatums while at the operational level it could include the re-supply or re-deployment of adversary capabilities.
Allied Engineering Documentation Publication	AEDP	
Areas of Intelligence Interest	AIIs	
Areas of Intelligence Responsibility	AIRs	
Area of Interest	AOI	The area of concern to a commander relative to the objectives of current or planned operations, including his areas of influence, operations and/or responsibility, and areas adjacent thereto. A defined three-dimensional geographic space in which a commander wishes to identify and monitor those factors that may affect operations.
Canadian Armed Forces	CAF	
Canadian Army	CA	
Canadian Forces Joint Publication	CFJP	
Coalition Shared Database	CSD	
Commercial Off the Shelf	COTS	
Collection		The exploitation of sources by collection agencies and the delivery of the information obtained to the appropriate processing unit for use in the production of intelligence.
Collection and Exploitation Plan;	CXP	The CXP is a formatted amalgamation of information to disseminate and display the Intelligence Collection Plan, the ISR Synchronization Matrix and the ISR Overlay. The CXP consists of IRs and the indicators, areas and tasks related to that IR. The indicators, EEIs, SIRs and PIRs associated to the IR are included. The CXP includes the associated tasks assigned to sensor and/or exploitation units or systems.
Collection Coordination and Intelligence Requirement Management	CCIRM	This is the historical term for IRM & CM.
Collection Management	CM	Collection management is the process of converting intelligence requirements into collection requirements, establishing, tasking, or coordinating with appropriate collection sources and agencies, monitoring results and re-tasking, as required.
Collection Operations Management	COM	The authoritative direction, scheduling, and control of specific collection operations and associated processing, exploitation, and reporting resources.
Collection Requirement	CR	A CR is a validated information requirement, for which the requested information is not already available in a repository and therefore requires collection through JISR asset tasking or will be forwarded as a request to higher or adjacent commands. CRs are usually developed from IRs in the ICP or received as ISRRs from other units.
Collection Requirements List	CRL	A draft Collection Requirements List (CRL) is a list of prioritized and unfulfilled ISR collection and exploitation requirements for non-organic ISR capabilities at an echelon. This is also sometimes referred to as a Collection Task List (CTL).