

NATO's IMINT Production Scheme Capability Survey to the Nations and Industry

PURPOSE

This survey allows Nations and industry to offer potential solutions for consideration to meet the operational requirement for the NATO Command Structure Imagery Intelligence (IMINT) Production Scheme capability. The information collected in this survey will be used in support of the Analysis of Alternatives (AoA) for this future IMINT capability to be conducted by HQ Supreme Allied Commander Transformation's (HQ SACT) Analysis of Alternatives Branch. Parties interested in responding to this RFI for the IMINT Production Scheme capability programme are asked to complete this questionnaire, and are cordially invited to participate in one of two online/virtual question and answer sessions with subject matter experts and staff from HQ SACT (to be held 23 and 31 March 2022 from 1230-1400 GMT). Participants will be able to enhance their understanding of the programme by asking clarifying questions to contributing NATO subject matter representatives.

Important note: ACT is seeking innovative solutions to meet any of the needs/requirements outlined in the vision statement in the background section below. It is perfectly acceptable if a proposed solution does not meet the full set of requirements; ACT still welcomes alternate/partial solutions that serve the need and vision of the NATO Command Structure IMINT Production Scheme (referred to as 'IMINT Production Scheme' for the remainder of this document).

BACKGROUND

As part of the larger "Intelligence and ISR Functional Services" Programme, the vision of the IMINT Production Scheme consists of a NATO Intelligence Enterprise equipped with the commensurate people, processes, and tools needed to organically produce and deliver IMINT-related products in support of NATO's baseline activities and current operations to maximum level of effort with the aim of being able to organically conduct smaller scale operations, as well as to conduct larger operations through the integration of NATO Nation capabilities.

Specifically, the vision under the scope of this RFI is that the IMINT Production Scheme will facilitate/deliver the following:

- Timely and reliable access to both National and commercial raw imagery
- Cutting edge analysis and efficient/automated exploitation of imagery
- Optimal and dynamic management of IMINT PED nodes, as well as other potential intelligence assets
- Proper access, storage, and processing of IMINT and IMINT-related data, as well as dissemination across NATO, NATO Members, and Partner Nations.

Further, the programme's vision includes the implementation of a holistic approach to IMINT which provides an overarching layer of coherence over various related IMINT projects including NATO Allied Ground Surveillance Force (NAGSF), Coalition Shared Database (CSD), and Intelligence

INSTRUCTIONS

1. Interested parties are kindly requested to propose capabilities they assess as related to NATO's IMINT Production Scheme by completing the questions in tabs 1 and 2 of this workbook , as comprehensively as possible: TAB 1. Capability Overview, TAB 2. Requirements Assessment
2. ACT kindly requests that Nations and Industry partners inform NATO of their interest and ability to provide their capability for NATO as an adopt option, as well as their willingness to fulfill the role of Host Nation/Implementing Entity.
3. Emailed responses of the completed survey should be sent to: ludovic.pierrel@act.nato.int and pierre.han@act.nato.int. Any questions regarding the survey may also be submitted to the POCs.

Capability Overview	
address:	
A. Timely and reliable access to commercial and/or National raw imagery	
B. Cutting edge analysis and efficient/automated exploitation of imagery	
C. Optimal and dynamic management of IMINT PED cells (or other potential intelligence assets)	
D. Access, storage, and processing of IMINT and IMINT-related data, as well as dissemination across NATO, NATO Members, and Partner Nations.	
E. Holistic IMINT solution providing an overarching layer of coherence over various NATO IMINT projects	
1. Please provide the name and a brief description of your IMINT/intelligence capability, and briefly describe how it addresses the aims outlined in the background section from the READ ME tab.	
which are leveraged. (If possible, please enclose additional documentation expanding the details, such as dependencies on other products, etc.)	
please expound upon how your solution is being implemented, customer type, scale, and the type of support your organisation currently provides.	

4. Are there any legal and commercial considerations (e.g. Intellectual Property Rights (IPR) availability, export controls or National regulations) preventing the use of your proposed solution by: NATO, NATO nations or partners; or its use on NATO Deployed operations?
5. Does your solution have a track record of handling very sensitive or classified information? Please elaborate.
6. Does your organization have previous experience working with NATO, National Government agencies or defense organisations? If so, what level of military command (or organisation) can your solution support?
7. Can your solution be integrated into NATO's enterprise information systems environment? Please elaborate.
8. Please describe how your services can be delivered (SaaS, cloud-based, etc). Please also provide any constraints related to those services such as the number of users, data storage capacity, etc.

9. How does your organisation manage and implement change related to cyber-security threats over time?

10. Are you aware of NATO's Federated Mission Network concept? Is/will your solution be compliant with NATO's Federated Mission Network (FMN) concept? If so, do you know which spiral?

11. Please provide contact information (name, organization, email address and telephone number) for your main point of contact. Our staff may need to contact a representative for coordination or clarifying questions.

Cost Section.

ACT seeks non-binding rough order magnitude (ROM) price estimates for the sole purpose of conducting analysis of alternative comparisons. Provision of data, or lack of, will not prejudice any respondent in the event that there is a competitive bidding process later as part of NATO Common Funded Capability Development

12. Please describe how your organization derives the cost for the provision of your proposed solution? (per use, per product, # users, etc). Please elaborate as required. If applicable, please explain your solution's licensing model?

13. Please provide a rough order of magnitude cost estimate for a four-year horizon in a cost breakdown structure, including hardware and software costs (licensing and service level agreements). Please elaborate and annotate any assumptions, as required.
14. If ACT leverages your solution, what are the cost and resource implications for the training of NATO's staff members?
15. Please describe how operation & maintenance costs are derived (annual/monthly), and provide an estimated cost (if not included in #13 above)
FOR NATO NATIONS ONLY: If your capability/system is chosen as an alternative, are you willing to provide your capability as an adopt
FOR NATO NATIONS ONLY: If your capability/system is selected as an alternative, are you willing to act as Host Nation/Implementing Entity

Requirements Self-Assessment			
Please complete the yellow cells. Select an option from the drop down list that best describes how the capability meets each requirement. Feel free to add any clarifying information in the 'Comments' column.			
Capability Requirements <i>The IMINT Production Scheme capability shall...</i>	Today, we assess that the capability....	We assess that for the next Increment/Delivery/Version	Comments
		Estimated Date Due: _____	
enable the management and tracking of IMINT requirements, risks and resources at all levels of command.			
facilitate dynamic and flexible coordination and optimization of PED cell activities across the NATO Command Structure			
enable the collection, interrogation and assessment of IMINT and IMINT related data			
provide reliable access to various types of imagery for all PED nodes in the NATO Command Structure			
inform PED management and planning processes through situational awareness derived from the JISR collection and exploitation plan			
create linkages between collected imagery against intelligence requirements and tasks			
inform the Intelligence Requirements Management and Collection Management (IRM/CM) Processes			
enable automated processing of imagery into formats suitable for imagery intelligence analysis			
provide the ability to conduct automated detection, identification, and geo-location of battle space objects within imagery			
enable automated change detection and associated assessments			
provide the ability to conduct advanced statistical analysis of imagery data			
share IMINT and IMINT related data with all levels of command across the NATO Command Structure and among Nations and partners, throughout all phases of effort			
facilitate the creation of IMINT reports, documents, briefs, and feedback in standardized formats with appropriate classification markings			
comply with NATO Interoperability standards and policies			
retain and organize collected imagery in a searchable storage solution at different classification levels including appropriate metadata tagging to enable processing and further assessment on a classified network			
exchange processed information between networks up to including NATO Secret, Mission Secret, NATO protected business and special purpose networks with no air gap			
provide operator and maintainer training solutions in support of individual and collective training			
provide the ability to integrate IMINT with other intelligence disciplines for collaborative analysis			