Canada

Request for Information – Close-In Air Defence System (CIADS) / Common Anti-Air Modular Missile (CAMM) for the Canadian Surface Combatant (CSC)

Disclaimer

This RFI is neither a call for tender nor a Request for Proposal (RFP). No agreement or contract will be entered into based on this RFI. The issuance of this RFI is not to be considered in any way a commitment by the Government of Canada, nor as authority to potential Respondents to undertake any work that could be charged to Canada. This RFI is not to be considered as a commitment to issue a subsequent solicitation or award contract(s) for the work described herein.

Participation in this RFI is encouraged, but is not mandatory. There will be no short-listing of potential suppliers for the purposes of undertaking any future work as a result of this RFI. Similarly, participation in this RFI is not a condition or prerequisite for the participation in any potential subsequent solicitation.

Respondents will not be reimbursed for any costs incurred by participating in this RFI.

Purpose

The purpose of this RFI is to notify industry that Canada requires various performance, environmental specifications and software that relate to the Common Anti-air Modular Missile (CAMM) that will allow for design work and procurement to proceed for the CSC project for up to 15 ships. Related RFP's will be issued in the future and this RFI is requesting that industry answer the questions identified in Annex A to this RFI.

Background

Canada's defence policy, "*Strong, Secure, Engaged*" (SSE), has committed to investing in 15 Canadian Surface Combatant (CSC) ships. These ships will be Canada's major surface component of maritime combat power. With its effective warfare capability and versatility, it can

be deployed rapidly anywhere in the world, either independently or as part of a Canadian or international coalition. The CSC will be able to deploy for many months with a limited logistic footprint.

The CSC will be able to conduct a broad range of tasks, including:

- Delivering decisive combat power at sea;
- Supporting the Canadian Armed Forces, and Canada's Allies ashore;
- Conducting counter-piracy, counter-terrorism, interdiction and embargo operations for medium intensity operations; and
- Delivering humanitarian aid, search and rescue, law and sovereignty enforcement for regional engagements.

The acquisition is for 15 ships to replace both the retired Iroquois-class destroyers and the serving Halifax-class frigates. The construction of the first CSC vessel is expected to begin in 2023/2024 and the project closeout is expected to occur in the 2040 timeframe. To minimize risk to this project, the Government of Canada places emphasis on value for money, open and effective competition, ethics and fair dealing, accountability and reporting, and equity and affordability.

As a core capability of this class of ship, the CSC will have the LM ExLS launcher which was selected and purchased by Lockheed Martin Canada (LMCa) through the direct commercial sales process, approved by Irving Shipbuilding Inc. (ISI), and the Government of Canada. This RFI is for information pertaining to all types of munitions produced that are designed be launched from the LM ExLS launcher. This RFI was jointly prepared by ISI, LMCa and the Government of Canada.

Munitions Supply Program and Canadian Industrial Trade Benefits

While not required for bid purposes, Canada may be working with industry towards licensing approved CAMM launcher munitions for final assembly through Canada's Munition Supply (MSP) Program by Canadian Industry with assistance from Public Services and Procurement Canada (PSPC). Canada realizes that this may not be possible for the CAMM variant(s) that

Canada is interested in procuring. A future business case study may preclude using the MSP for the CAMM, and the Industrial and Technological Benefits (ITB) Policy may be applied.

Point of Contact

Prospective bidders are asked to submit their written response to the questions identified in Annex A via email directly to:

Jon de Ste Croix
Procurement and Finance Officer
Canadian Surface Combatant Project (CSC)
Department of National Defence
jonathan.destecroix@forces.gc.ca
CEL: 902-441-1252

Closing date for the RFI

Responses to this RFI are to be submitted to the CSC Procurement Authority identified above, on or before, the close of business on 15 August 2022.

Annex A – CAMM Standard List of Questions

The RFI Responses should address the following questions. If this information can be provided in support of any of these questions then it can be supplied in raw format including document references where appropriate:

1. Would your company partner with PSPC, DND, and Canadian Industry to produce some, or all components and assemble the CAMM under the Munitions Supply Program (MSP)?

2. If awarded the acquisition contract, does your company believe that this would be a Government to Government transaction or a direct commercial sale? Could this also be procured through NATO allies or a Joint Procurement Project Office?

3. Canada will require all pre-qualified CAMM type variants, quantities, weights, munitions dimensions (length, width, height, and center of gravity), the physical mounting interface required to secure each ammunition case, NATO Stock Number (NSN), and Net Explosive Quantity (NEQ). If these can be delivered then please provide these as part of this RFI.

4. Will your company supply information for the packaging of rounds (quantity, dimensions, material), shore based storage conditions/requirements, transportation requirements and maintenance requirements for storage? If these can be delivered then please provide these as part of this RFI.

5. Canada will require the ship's services that are required (power, cooling, etc.), blast pressure and temperatures, exhaust gas/materials analysis, embarkation procedures (RAS, dockside, etc.), onboard storage requirements, qualification/testing requirements, on-ship test procedures, interface information (ICD, CD, etc.) and the required special tools and test equipment? If these can be delivered then please provide these as part of this RFI.

6. Canada will require any existing certifications (NATO, MILSTD, Canadian S3/ASSB Certification Process, etc.) along with explosive sensitivity, EMI/EMC, vibration limits, shock limits, susceptibility and related sensitivities. Also required are operator manuals, technical manuals, explosive hazards, environmental hazards, hazard action procedures, Control of Substances Hazardous to Health (COSHH) requirements, disposal procedures, Hazard ID's (HAZ ID) and mitigation (misfire, etc.) If these can be delivered then please provide these as part of this RFI.

7. Canada will require the lethality, dispersion, velocity, telemetry, ballistic curves and probability of kill (Pk) tables and ballistic information for all pre-qualified CAMM variants. Can this information be transferred to the Government of Canada?

8. Are there any special software considerations/information required for the weapons systems to function to full capacity? This includes the datalink between the variants of missiles and the secondary guns/combat management systems, their associated sensors and software. Can these details be provided to the Government of Canada?

9. Are there special considerations regarding CAMM munitions storage?

10. The launcher has been selected so will this impact your response? What impact this can have on the supplying missiles or will this prevent a bid?

11. Can information supplied be shared with contractors from BAE, ISI and LMCa? If not, please indicate which information can be only shared with the Government of Canada.

12. Which items of information can only be obtained through Government-to-Government transfer? If there are any, please provide the appropriate Government-to-Government contacts/offices.

13. Canada intends to share this data with the United States Department of Defence. Please inform us if there are any concerns with this.