Market Survey – Request for Information

Breach and Attack Simulation Tool (BAS)

NCI Agency Reference: MS-115809-BAS

NCI Agency is seeking information from Nations and their Industry in order to assess availability of Breach and Attack Simulation Tool (BAS).

NCI Agency Point of Contact
Sumiko Duncan, Senior Contracting Officer (Consultant)
Sumiko.Duncan@ncia.nato.int

To: Distribution List (Annex A)

Subject: **NCI Agency Market Survey
Request for Information MS-115809-BAS**

1. The NCI Agency requests the assistance of the Nations and their Industry to identify available Commercial-Off-The-Shelf (COTS) Breach and Attack Simulation Tool (BAS).

2. The NCI Agency requests the broadest possible dissemination by the Nations of this Market Survey Request to their qualified and interested industrial base.

3. The NCI Agency reference for this Market Survey Request is **MS-115809-BAS**, and all correspondence and submissions concerning this matter should reference this number.

4. Respondents are requested to reply via the questionnaire at Annex B.

5. Responses may be issued to the NCI Agency directly from Nations or from their Industry (to the Point of Contact indicated at Paragraph 9 below).

NATO Communications
and Information Agency
Agence OTAN d'information
et de communication

Avenue du Bourget 140
1140 Brussels, Belgium
www.ncia.nato.int

6. Responses shall in all cases include the name of the firm, telephone number, e-mail address, designated Point of Contact, and a <u>NATO UNCLASSIFIED</u> description of the capability available and its functionalities. This shall include any restrictions (e.g. export controls) for direct procurement of the various capabilities by the NCI Agency. Non-binding product pricing information is also requested as part of the questionnaire.

7. Interested parties are responsible for adequately marking proprietary or competition sensitive information contained in their response.

8. Responses are requested to be submitted by no later than **Thursday, 3 November 2022**.

9. Please send all responses via email to:

Sumiko Duncan

NCI Agency, Acquisition

sumiko.duncan@ncia.nato.int

10. The RFI is solely a request for information, to support requirements and approvals. It shall not be treated as a request for quotation or an invitation for bids. The Agency will consider and analyse all information received from this RFI and may use these findings to develop a future solicitation for Breach and Attack Simulation tools. Any future solicitation would be advertised on the Agency's bulletin board for all eligible companies to respond. Participating in this RFI will not benefit, or prejudice, involvement in any future solicitation.

11. Any response to this request shall be provided on a voluntary basis. Negative responses shall not prejudice or cause the exclusion of companies from any future procurement that may arise from this Market Survey. Responses to this request, and any information provided within the context of this survey, including but not limited to pricing, quantities, capabilities, functionalities and requirements will be considered as information only and will not be construed as binding on NATO for any future acquisition.

12. The NCI Agency is not liable for any expenses incurred by firms in conjunction with their responses to this Market Survey and this Survey shall not be regarded as a commitment of any kind concerning future procurement of the items described.

13. Your assistance in this Market Survey request is greatly appreciated.

For the Director of Acquisition:

//signed//

Rebecca Benson
Principal Contracting Officer

Enclosures:
Annex A, Distribution List
Annex B, Summary of Requirements & Questionnaire

<u>ANNEX A</u>
Distribution List for Market Survey

<u>NATO Delegations</u> (Attn: Investment Adviser)

Albania
Belgium
Bulgaria
Canada
Croatia
Czech
Republic
Denmark
Estonia
France
Germany
Greece
Hungary
Iceland
Italy
Latvia
Lithuania
Luxembourg
Montenegro
Netherlands
North
Macedonia
Norway
Poland
Portugal
Romania
Slovakia
Slovenia
Spain
Turkey
United Kingdom
United States of America

<u>Belgian Ministry of Economic Affairs</u>

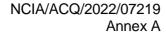**<u>Embassies in Brussels</u>** (Attn: Commercial
Attaché) Albania
Belgium
Bulgaria
Canada
Croatia
Czech Republic

Denmark
Estonia
France
Germany
Greece
Hungary
Iceland
Italy Latvia
Lithuania
Luxembourg
Montenegro
Netherlands
North
Macedonia
Norway
Poland
Portugal
Romania
Slovakia
Slovenia
Spain
Turkey
United Kingdom
United States of America

ANNEX B

Summary of Requirements

The Breach and Attack Simulation (BAS) is a new adversary emulation technology which enables organisations to pursue a Threat Informed Defence strategy by simulating a broad range of malicious activities, and automatically observe the reaction of the security controls in place, enabling NATO to determine if our systems can stop or detect them.

The Agency is looking for a NATO nation based solution that is comprised of one or more products integrated to provide the capability to enable cybersecurity teams to determine and fine tune cyber security posture and reduce the attack surface by emulating the latest Tactics, Techniques and Procedures used by threat actors.

RFI Instructions

- You may either enter your responses under the questions on the following pages, or use a separate document to provide your responses.

- Please feel free to make assumptions, however, it is important that you state what these assumptions are.

- Please do not enter any general company marketing or sales material as part of your specific responses within this market survey. Please submit such material as enclosures with the appropriate references within your replies.

- Please do try and answer the relevant questions as comprehensively as possible, providing as much detail as necessary.

- Responses are not to exceed one (1) page for each question in no less than 12 font size.

- Cost details requested in the questions refer to Rough Order of Magnitude (ROM) Procurement, not a binding offer. Please include all assumptions the estimate is based upon:

  o Advantages & disadvantages of your product/solution/organisation,

  o Any other supporting information you may deem necessary including any assumptions relied upon.

- Other supporting information and documentation (technical data sheets, marketing brochures, catalogue price lists, descriptions of existing installations, manuals, etc.) are also desired.

RFI Questions (1- 15)

1. Please provide your:

    a. Company name and address

    b. Point of Contact name, title and email address

2. NCIA is seeking a solution based on NATO nation products and/or services. Please indicate the name and national origin of the parent company for each product or service you are including in your survey response.

Please detail <u>all export controls</u> on any solutions mentioned in your answers to questions 3-12 below.

3. Can your solution provides the following emulation capabilities and describe how your solution does it (please mark each applicable item):

    a. Atomic testing

    b. Anatomic Testing

    c. PCAP replay based testing

4. Please describe how your solution provides the ability to run in production environments, in a safe manner, and at scale.

5. Please describe how the planned tests are uploaded and executed on selected assets for execution with your solution. What security mechanisms are in place in order to prevent unauthorized user to execute unauthorized tests?

6. Please describe how your solution can provide accurate detection results with clear details of what actions were performed.

7. Please describe how your solution provides high fidelity detections with integrations that provide flexibility in configuration and modification with existing security controls such as antivirus, firewalls, SIEM, NIDS.

8. Please describe how your solution can support air-gapped networks with no internet connectivity.

9. Please describe how your solution provides the ability to retrieve the security control logs for an activity that was executed earlier (1-5 days) and integrate those logs in the results of the assessment in an automatic manner.

10. Does your solution provide the ability to view the source code of any conducted test, modify it and re-execute it with the modification? Please describe.

11. Please illustrate how your solution supports the ability to run tests across all assets at the same time in parallel to provide reduced 'time-to-results'.

12. Please illustrate how your solution provides the ability to create highly customized dashboards directly within the platform, to meet reporting requirements.

13. Please provide Rough Order of Magnitude pricing information for your solution so that the Agency has a general idea of the pricing model and potential cost.

14. Does your company provide additional support services? If so, please describe what is available and the pricing.

15. Does your company offer enterprise professional support? If so, please describe what is available and the pricing.