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12 May 2015

NOTICE
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NATO SCIENCE & TECHNOLOGY BOARD

Call for Project Proposals for Maritime Security Initiative

1. Please find in enclosure the call for project proposals from Dr. Walter Jones, STB Senior Mentor for Maritime Security, a Strategic S&T Initiative.
2. Please distribute widely to NATO S&T stakeholders.

Matthieu Eloy
STB Secretary

Enclosure 1: Call for project proposals for the NATO STB's Strategic S&T Initiative

1 Enclosure

Action Officer: Maj. Gene Lutz - lutz.gene@hq.nato.int
Original: English

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SCIENCE AND TECHNOLOGY ORGANIZATION



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6 May 2015

Dear Colleagues,

Do you have an idea for an emerging or ongoing project that would dramatically improve maritime security for the Alliance if it had increased exposure and a broader skill set? Are you interested in finding ways to build teams of stakeholders across NATO S&T to achieve results beyond your current reach? If you answered "Yes" to either of these questions, your participation in the Maritime Security Initiative is greatly desired.

It is my pleasure to announce the first call for project proposals for the NATO Science & Technology Board's (STB's) **Strategic S&T Initiative on Maritime Security**. The Maritime Security Initiative is a concerted response to several NATO strategic drivers, to include the Wales Summit, Alliance Maritime Strategy, and the Strategic Concept.

The Maritime Security Initiative was launched in March 2015 with the STB's Maritime Security Symposium at NATO HQ. Through the Symposium, we identified several topical areas for S&T to address, while recognizing the cross-cutting objectives to balance the human and machine roles and advance the integration of big data. NATO S&T stakeholders are invited to propose projects focused on enhancing Maritime Security for the Alliance, within the topics below:

1. **Maritime Situational Awareness** (Areas: Stand-off detection; Small, distributed ad hoc network of sensors; Deep-learning intelligent machines; and Behavioural indicators of intent)
2. **Maritime Interdiction** (Areas: Pre-emptive interdiction; Advances in precision, i.e. directed energy, non-lethal weapons)
3. **Protection of Critical Infrastructure** (Area: Route clearance using autonomous systems)

Please submit proposals (see attached template) to the: MAJ Gene Lutz, +32 (0)2 707 3908, lutz.gene@hq.nato.int, **before 30 May 2015**.

As the STB Senior Mentor of the Maritime Security Initiative, I will notify project leads of selection by 12 June 2015, with a view toward developing project plans and launching the first projects in the fourth quarter of 2015.

Dr. Walter F. JONES
Office of Naval Research (ONR), USA
STB Principal Member
Maritime Security Initiative Senior Mentor

Attachments:
Strategic S&T Initiatives Overview
Maritime Security project proposal template

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Strategic S&T Initiatives Overview

1. Introduction

Strategic S&T Initiatives are intended to focus Science and Technology (S&T) activities on time-sensitive NATO issues with high-intensity, quick-turn activities, and to deliver relevant S&T contributions to clearly defined exploitation paths that support Alliance core tasks. The *Initiatives* tackle problems from a comprehensive perspective, focus the attention of the community, and construct a collaborative arrangement of S&T stakeholders in order to jointly achieve results that are beyond the reach of individual actors.

The *Initiatives* support capability development and deliver advice to decision makers on innovative solutions to stated Alliance needs. Building on the collaboration across NATO S&T stakeholders, *Initiatives* benefit from the top-level visibility and the support provided by the Science & Technology Board (STB) in terms of mentoring, focusing attention, and providing appropriate support.

The STB selects *Initiative* topics and invites national STB Members to lead the *Initiatives* as STB Senior Mentors. The STB Senior Mentors are empowered by the STB to lead the *Strategic S&T Initiatives* entrusted to them in order to provide focused leadership, deliver vision and give guidance to Project Leads, while maintaining coherence across all projects within the *Initiative*. The Senior Mentors select and guide projects that deliver results in less than a year.

2. Who Can Participate?

Any NATO S&T stakeholder¹ may submit a project proposal, serve as a Project Lead, or be a Participating Stakeholder.

¹ Stakeholders in NATO S&T cover a broad spectrum, comprising national representatives, subject matter experts, and NATO staff who organize their activities through NATO committees, commands, programmes, or agencies.



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3. Selection Procedure

Project proposals review will be led by the respective *Initiative's* STB Senior Mentor, who will notify applicants of selection within a month from the close of a Call for Project Proposals.

Following selection of project proposals, the Project Leads will be invited to form a planning team to develop a more detailed plan. When the detailed plan is approved, the project will be chartered.

4. Roles and Responsibilities

a. STB Senior Mentor

The STB Senior Mentor to each *Initiative* is a national STB member and has the following responsibilities:

- Define the scope of the *Strategic S&T Initiative* entrusted to him/her;
- Review *Initiative* project proposals and make selections;
- Maintain coherence across projects addressing the *Initiative*;
- Provide strategic advice to Project Leads, both prospective leads and those actively working projects addressing the *Initiative*, with regard to planning, execution, and exploitation; and
- Facilitate information flow between the STB and the Project Leads.

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b. Project Lead

The Project Lead will have the responsibility to:

- Develop and submit a one to two-page project proposal;
- Aide the building of teams to plan and execute project;
- Promote synergies across Participating Stakeholders;
- Shepherd the planning process;
- Submit the two to five-page detailed plan;
- Lead the execution of the approved plan; and
- Serve as the spokesperson for the project to the *Initiative* Senior Mentor and the STB.

c. Participating Stakeholders

Each Participating Stakeholder will have the responsibility to:

- Define their own contribution to support the objectives of the project;
- Assist in developing the detailed project plan; and
- Execute planned contribution to the project

5. Contact Information for Strategic S&T Initiatives

- For proposal submission and questions:
MAJ Gene Lutz, +32 (0)2 707 3908, lutz.gene@hq.nato.int.
- For additional questions or guidance:
Dr. Susanne Wirwille, +32 (0)2 707 5986, wirwille.susanne@hq.nato.int.

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Maritime Security Initiative Project Proposal

Title of Project

Submitted by: *Name, position title, organization, contact information.*

Topic

Briefly describe topic proposed.

Purpose & Objectives

Briefly state the purpose and objectives of the project.

Type of Activity

Simply state the type of activity proposed (e.g., single event – symposium or demonstration; or multi-event campaign – meeting, technical development, and demonstration).

Prospective Stakeholders

List the prospective stakeholders that may contribute to the project.

Projected Timelines

List target dates envisioned for the project activities.

Possible Exploitation Paths

Briefly list the possible exploitation paths for the products to be delivered.

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NATO Headquarters, B-1110 Brussels - Belgium
Tel: +32 (0)2 707 1904 – Fax: + 32 (0)2 707 1939