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Horizon 2020

Call: H2020-SU-SEC-2018-2019-2020
(Security)

Topic: SU-BES03-2018-2019-2020

Type of action: IA

Proposal number: 883359

Deadline Id: H2020-SU-SEC-2019

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How to fill in the forms

The administrative forms must be filled in for each proposal using the templates available in the submission system. Some data fields in the administrative forms are pre-filled based on the steps in the submission wizard.

Proposal ID 883359

Acronym [REDACTED]

1 - General information

Topic	SU-BES03-2018-2019-2020	Type of Action	IA
Call Identifier	H2020-SU-SEC-2018-2019-2020	Deadline Id	H2020-SU-SEC-2019

Acronym [REDACTED]

Subtopic Subtopic: Open

Proposal title ENHANCED MARITIME SITUATIONAL AWARENESS THROUGH COLLECTION AND INTEGRATION OF MULTIPLE DATA SOURCES

Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > " &

Duration in months [REDACTED]

Fixed keyword 1 [REDACTED]

Fixed keyword 2 [REDACTED]

Fixed keyword 3 [REDACTED]

Fixed keyword 4 [REDACTED]

Fixed keyword 5 [REDACTED]

Fixed keyword 6 [REDACTED]

Free keywords [REDACTED]

Abstract

will validate and demonstrate in operational settings a versatile and powerful maritime patrol platform, designed as a System of Systems, consisting of small maritime patrol vessels, unmanned aerial vehicles and unmanned underwater vehicles, both with very long endurance and an extended range of operation, which will be fully integrated into one operational platform. will contribute to cost-effective maritime security as it will enable smaller maritime patrol vessels for the first time with beyond-line-of-site operation capabilities and employ lower cost equipment and effectively execute missions which until now were executed only by large vessels with large landing decks and expensive equipment. In other words, a small maritime patrol vessel will be able to perform as effectively as hugely expensive corvettes and frigates.

The platform will significantly enhance maritime situational awareness and sharing, decision making and operations management in the maritime domain both at the strategic level and at the tactical level. It will provide a complete operation picture through integrating data from heterogeneous sources mounted on different systems, including satellites, dynamic sensors (either seaborne or airborne unmanned vehicles), static sensors (either on land, in coastal areas, or under the water surface) and advanced modelling. It will deliver high-level information to each involved Ground Control Station (through a Multi Mission Planning and Operation System and an intelligent decision support and monitoring system, operated and accessed from each Command Centre. This will be achieved through the use of advanced algorithms to organise, homogenise and fuse the large quantities of data and information from multiple land, maritime (static and dynamic) and airborne sources.

will be demonstrated in large scale demonstrations through a mix of simulation activities and experimental set-ups in operational settings in 4 separate scenarios.

Remaining characters

1