



SARUMS



WORKSHOP

Exploring Safe design and operations for the European Unmanned Maritime Systems

Invitation by:
**Safety and Regulations for European Unmanned Maritime Systems
(SARUMS)**

Date: April 18-19 2012
Venue: European Defence Agency (EDA), Brussels

2nd Announcement

**The Workshop supported by European Defence Agency and SARUMS
Working Group is open to Industry, Research Institutes and
Government Organisations.**

The objective of **SARUMS** is to provide European Navies a best practice safety framework for Unmanned Maritime Systems that recognises their operational usage, legal status and the needs of Navies. The philosophy behind this guidance will be based on the management of risk as well as applicable rules and regulations. The group is currently developing a document for this purpose titled:

Best practice guide for UMS handling, operations, design and regulations.

A significant improvement in interoperability and standardisation in design and operation of Unmanned Maritime Vehicles is expected if nations decide to adopt this guidance document.

The workshop will cover a number of topics that could be applied to military as well as civilian unmanned maritime vehicles:

- UMS legislation, applicable rules, regulations, experience and best practice guidance
- UMS safety related to operation
- UMS safety related to design
- UMS systems, products, technology, research to accomplish a safe design

Arrangements:

The workshop is scheduled to start 10.00 on 18 April and to end in the afternoon on 19 April. The Workshop is free of charge but attendees are to arrange their own travel and hotel accommodations.

Participation to the Workshop.

To register attendance to the Workshop, or to contribute with a presentation, please inform your intention by sending an email to EDA (Dr. Solon Mias: solon.Mias@eda.europa.eu) and to the Chairman of SARUMS (Mr. Magnus Ornfelt: magnus.ornfelt@fmv.se).

Program

Program will include:

- Unmanned Maritime Systems research activities in EU**
EDA
- Safety and Regulations for European Unmanned Maritime Systems**
SARUMS workgroup
- An Autonomous Underwater Vehicle Industry Perspective**
Bluefin Robotics Corporation USA
- Concept UxV E.L.S. in 2012**
Verebus Engineering BV Netherlands
- Safety principles for AUV design**
Saab Dynamics, Underwater Systems Sweden
- The development of a standardized interface for launch and recovery systems**
Naval Design Partnering Team United Kingdom
- Advanced Functions for Safety of Operations of Unmanned Surface Vessels**
SIREHNA France
- Situation awareness in a UMS collision avoidance scenario**
Kockums Sweden
- Safety, Security and Legality – Everything Else is “Negotiable”**
BAE Systems United Kingdom
- Considerations for the safe operation and regulation of Maritime Unmanned Vehicles**
Seaspeed Marine Consulting Ltd United Kingdom
- Rules and regulations of the civil field, commonly used for design and test of equipment**
INDUSTRIAS FERRI Spain
- Unmanned Maritime Vehicle Operations Legal, Safety and Information Security Aspects**
Atlas Elektronik UK Ltd United Kingdom
- Legal considerations for the use of maritime unmanned systems**
DCNS/SNS France

A more detailed program will be made available by end of March

For further information or questions please contact:

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