

RINA WESTERN BULLETIN

Technical Meeting Notice

Topic:

Making Australian Submarines More Safe and Sustainable

When: Thursday, 29 November, 17:30 refreshments, 18:00 start

Where: ASC WEST, [20 Nautical Drive, Henderson, WA 6166](#)

Cost: Free

Important Note: Pre-registration is required for this event due to ASC security procedures, further information is provided on page 2.

WA Section RINA Committee

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Presentation 1:

Operational Test and Evaluation of the Submarine Escape and Rescue System

Vesna Moretti, M.E. (Nav. Arch.), CEng, FRINA

Director of Submarine Escape and Rescue Systems, Department of Defence

Abstract

The presentation will discuss the principles and development of the Operational Test and Evaluation (OT&E) Program as recently developed and used on the new Submarine Escape and Rescue System (SERS). The RAN SERS consists of an A-frame, submersible and integrated system of hyperbaric chambers installed on a deck of a Mothership.

The OT&E was the final risk assessment activity in the SERS acceptance process and consisted of several specifically designed test scenarios that tested functionality, capacity and limits of each part of the system, system interfaces, operating and medical procedures and overall operator's readiness. Using SERS OT&E examples, the presentation will show the extent of test details required for an OT&E test to be a relevant indicator of design gaps and faults.

The SERS OT&E was a large-scale activity stretching over 4 weeks and involving 10 groups of stakeholders and almost 200 people. Aspects of logistical planning stretching over period of 8 months and on-site coordination, essential for the program completion and success, will be also presented.



About the Presenter

Vesna is a practicing naval architect with analytical background in many different areas of naval architecture and engineering including design and naval architecture of superyachts and high-speed crafts, subsea and offshore engineering and lately submarine engineering and submarine escape and rescue systems. She lectured Ship Design and Offshore Engineering at the Edith Cowan University before taking the position with the Department of Defence as the Director of Submarine Escape and Rescue Systems.

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Presentation 2:

Transformation of the Collins Class Submarine Enterprise

**Ben Kidd,
Lifecycle Engineering Manager, ASC Pty Ltd**

Abstract

In 2011 the Australian Government initiated a review into the performance of the Collins Class Submarine Enterprise, selecting UK submarine expert John Coles as the leader. This review clarified the value delivered by the Enterprise assets, and developed a transformation program to enhance the delivery of this value. This transformation culminated in the Enterprise meeting and exceeding Coles' international benchmark of submarine availability in 2017. This presentation gives an overview of this transformation, with insights into the significant improvements made to the deep layup maintenance of submarines conducted at ASC in Osborne, South Australia.

About the Presenter

After his initial career in consulting engineering, Ben has been within engineering at ASC for 14 years. He started in the area of signatures, completing his Masters of Marine Engineering majoring in this area in 2011. He then moved into leadership roles, including deep layup maintenance, performance, and most recently taking on his current role as the Lifecycle Engineering Manager in July 2017. In this role he is leading the development of the Integrated Logistics Services and Configuration Management capabilities at ASC.

Event Registration

Due to the security procedures at ASC, all attendees are required to pre-register for the event by 1600 hrs, Tuesday 27th November.

As part of the controlled entry procedures at ASC, all participants are required to bring their photo ID (Drivers Licence and/or Passport). Any participant who is not an Australian citizen is required to carry his/her passport.

Participants should arrive at the main gate of ASC West between 1715 hrs to 1745 hrs for security formalities. No visitor would be escorted after 1800 hours.

Please register at the below link:

[Making Australian Submarines More Safe and Sustainable](#)

www.eventbrite.com



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AOG 2019

Technical Forum

RINA WA is proud to announce our involvement in next year's AOG 2019. We will have a booth at the event and will be organising a stream of presenters as part of the Technical Forum. Invited speakers will present across the disciplines of Renewable Energy, Offshore Installation, Marine Operations and Floating Systems. Organisation and attendance of the event is supported by Trevor Blakeley from RINA London who will also be attending the event. Abstracts and speaker biographies will be available as we get closer to the event.

Poster Presentation Session

To embrace local expertise and developments in Naval Architecture RINA WA is seeking expressions of interest for short Electronic Poster Presentations in the form of an e-poster, run from the RINA booth.

Electronic posters will be delivered on a flat-screen monitor and allow for animation, audio, and video to enhance interactions between the presenter and the audience. The e-posters will be scheduled during the AOG session breaks and held at RINA's booth. Each presenter will be allocated 15 minutes with an additional 5 minutes allowed for discussion. The content of each e-poster will be required to be technically sound, follow the stream guidance areas and be non-commercial.

Expressions of interest in the form an abstract should be submitted to RINA for consideration by 28th November 2018. Please send abstracts to: WA@rina.org.uk

RINA NEWS & Events

Australian Naval Architect

Thank you to everyone who responded to the call for news, we had a great uptake and hope to see it all published in the next edition of the ANA.

LinkedIn

Join for event updates and discussion.

[Royal Institution of Naval Architects \(RINA\) – WA Section](#)



RINA WA Section Library

The library is now located at Bentley Systems. Access to the library can be arranged by contacting:

Daniel Veen: Daniel.Veen@bentley.com

James Clarkson: James.Clarkson@bentley.com

Catalogue in Excel format is available at <https://www.rina.org.uk/walibrary>

Continuing Professional Development (CPD) Record

This is a reminder that all Fellows, Members and Associate-Members who are in or seeking active work must maintain and develop their competence and knowledge. This requirement is obligatory. The Institution reserves the right to monitor a member's CPD achievement through inspection of the CPD Record. More information on the CPD and recommendations on the format of the Record can be found on the website:

https://www.rina.org.uk/continuing_professional_development.html



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