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RINA/IMarEST Technical Presentation

The Australian Future Submarine Multiverse: Between Myths and Realities

Presenter		Eric Fusil Program Director Marine Engineering The University of Adelaide
Date		Monday 5 June 2023 (NB *not* Wednesday)
Time		6:30 pm AEST, 6:00 pm ACST
Venue	**in person**	Room S112, Engineering South Building The University of Adelaide
	online	URL and password will be advised prior to the presentation
		Registration for the presentation is required (see below)

The last time Australia commissioned a submarine was 2003. The next time is currently unknown. As for the nuclear-powered submarine, a plan is still in the making, despite the AUKUS plan announcement in March 2023. The SSNs will come in two stages: firstly, second-hand from the USA, then local building of an overseas design. Is the end-user's objective of a turnkey SSN achievable without sustaining local industry? What about the gap between the defunct Attack class and AUKUS? These raise other questions about objectives and compliance with the ADF capability life-cycle manual. What scenarios? This presentation will look at the following issues:

Short term—understanding the SSN mindset:
• Should a SSN fly the RAN ensign or be a detached US/UK boat with RAN trainees?
• How/where is maintenance performed, especially corrective maintenance?
• Obsolescence issues?

Middle term—preparing for Australian SSNs:
• Impact of "nuclear" on Australian Industry
• How much time to achieve workforce maturity?
• What is happening to Collins in the interim?

Long term—design/build SSNs:
• How deep the design impact for specific Australian requirements?
• Domestic vs overseas build? Is it better on the other side of the fence?
• How to manage the IP& ITAR without generating the same hurdles which hindered Collins submarines service?

The devil is in the details—beware of high-level concepts. Ultimately, how is this Australian sovereign capability? And what is China doing today whilst Australia keeps on loitering?

Registration   Registration for this presentation may be completed at

https://forms.gle/XexEB6rK4YtYVFHd9

Registrations close at 6:30 pm AEST, 6:00 pm ACST on Friday 2 June. Registration for in-person attendance is required to gauge numbers for catering. Those registered for online participation will be emailed the Zoom meeting ID and passcode on the evening of 2 June.

Register and put this date in your diary now, and we look forward to you joining the presentation.