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Sound Decisions: Moving forward with Acoustics

Acoustic Signature Control on Maritime Platforms

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ABSTRACT

The Acoustic Signature Management Branch in Defence Science and Technology Group (DST) develops technical solutions to control the active and passive acoustic signatures of Royal Australian Navy platforms. The aim is to improve the operational effectiveness and survivability of the Navy's current fleet, and the Branch also provides technical advice during the acquisition of new platforms. This paper presents an overview of the active and passive acoustic signatures of maritime platforms and the main factors that influence the signatures. Research by the Acoustic Signature Management Branch on modelling and analysis of acoustic signature generation and transmission is discussed with examples of collaborative research programs with academic and commercial partners.