

Title: **Reliable, Wireless Data Transfer in a Maritime Environment**

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Abstract

Operations in maritime environments are increasing in number and complexity. There is a large diversity of operations going on and the vessels involved are increasingly complex. Operations tend to move to deeper waters and there is an expectation that operations can continue in even the most harsh weather conditions. Co-operation between multiple vessels to solve operational objectives in an effective way is also required. These operations need to comply with stringent safety requirements to minimize risk to humans and assets.

New technology and clever solutions are required to solve all these requirements. One of the key technology elements to these challenges is reliable and effective communication. Traditionally, communication has been about communication between humans. However, communication is also about communication between sensors, systems and humans.

This paper presents a novel solution to reliable and wireless data transfer for typical environments of complex, maritime operations

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