Trust Framework Operation in Autonomous Marine Communications Environments

Andrew Bolster[⋆] , Alan Marshall, Ji Guo

Advanced Networks Research Group,
Department of Electrical Engineering & Electronics,
University of Liverpool, UK
{andrew.bolster,alan.marshall}@liv.ac.uk
http://www.anrg.liv.ac.uk/

Abstract. This paper presents an overview of trust assessment within classical ad-hoc networking environments (Terrestrial MANET) and presents a comparative study on the operation and performance of such trust frameworks between the terrestrial and underwater communications environments.

Keywords: ad-hoc, MANET, trust, marine, underwater

1 Introduction

Trust Management Frameworks (TMFs) provide information regarding the estimated future states and operations of nodes within networks. They are used to optimize the performance of a system of systems (i.e. collections of autonomous, semi-autonomous, and/or human systems) in the face of malicious, selfish, or defective behavior by one or more nodes within such a system. Previous research has established the potential advantages of implementing distributed TMFs in mobile ad-hoc networks (MANETs)

Acknowledgments. The heading should be treated as a subsubsection heading and should not be assigned a number.

2 The References Section

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References

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