

Considering Maritime Cybersecurity at a Non-Maritime Education and Training Institution

Geoff Stoker
stokerg@uncw.edu

Jeff Greer
greerj@uncw.edu

Ulku Clark
clarku@uncw.edu

Congdon School
University of North Carolina Wilmington
Wilmington, NC 28412 USA

Christopher Chiego
cchiego@csum.edu
California State University Maritime Academy
Vallejo, CA 94590 USA

Abstract

The maritime industry, with its economically and strategically important role and critical infrastructure, appears to have a cybersecurity posture that lags other sectors (Akpan et al., 2022; Heering et al., 2021; National Academy of Public Administration, 2021). This lag is exacerbated by the current cybersecurity workforce shortage (Cyber Seek, 2022) which likely impacts maritime as much as all other industries. In this paper, we review the state of cybersecurity education within the maritime community and consider the possible value that cybersecurity students from non-maritime education and training (MET) institutions could bring to bear on maritime cybersecurity. We explore what additional knowledge these students might need in order to be ready to enter the maritime cybersecurity workforce and readily contribute.

Keywords: Cybersecurity, Maritime, Education

A full version of this abstract may be found at <https://cppj.info>