ABSTRACT

This exploratory study aimed to design and analyze a self-assessment instrument for evaluating fire safety competencies within the maritime sector.

The research followed a structured multi-phase approach, beginning with the development of a competency framework grounded in international regulatory references and complemented by informal insights from maritime profesionnals. This inductive mapping process provided the foundation for the creation of a structured survey instrument.

The survey collected self-assessed data from 17 early-career or in-training maritime professionals, focusing on three key dimensions: self-assessed confidence, perceived importance, and learning source for each competency. Likert-type scales were used to capture subjective perceptions in a format commonly employed in readiness assessment studies.

Descriptive statistics (mean, standard deviation) were applied to explore central tendencies and patterns across the dataset. A cross-sectional analysis revealed relationships between variables, suggesting relevant patterns. An empirical categorization scheme, based on observed trends suggested potential areas of perceived mastery as well as potential operational blind spots.