Formal safety assessment: A critical review - DTU Orbit (08/08/2019)

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Formal Safety Assessment (FSA) is the premier scientific method that is currently being used for the analysis of maritime safety and for the formulation of related regulatory policy. This paper conducts a critical review of the FSA methodology and proposes ways to improve it. All steps of the FSA approach are looked at, and possible pitfalls or other deficiencies are identified. Then proposals are made to alleviate such deficiencies, with a view to achieve a more transparent and objective approach. The results of this paper may be useful if a revision of the FSA guidelines is contemplated along these lines. Recent International Maritime Organizations (IMO) developments are also described.

General information
Publication status: Published
Organisations: National Technical University of Athens
Contributors: Kontovas, C. A., Psaraftis, H. N.
Pages: 45-59
Publication date: 2009
Peer-reviewed: Yes

Publication information
Journal: Marine Technology
Volume: 46
Issue number: 1
ISSN (Print): 0025-3316
Ratings:
BFI (2009): BFI-level 1
Scopus rating (2009): SJR 0.167 SNIP 0.683
Web of Science (2009): Indexed yes
Original language: English
Keywords: Safety, Rules, Regulations
Source: dtu
Source-ID: n:oai:DTIC-ART:compendex/148568553::28953
Research output: Contribution to journal > Journal article – Annual report year: 2009 > Research > peer-review