

## Agenda Item 4.2(c) AMSA I(B) Project proposal by Norway

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This is a preliminary description and the whole project depends on funding being available.

**Title. Hazards for fuel systems and engines associated the use of HFO as fuel in cold climate.**

Description: The project seeks to describe, on the basis of theory and actual incidents, the technical challenges and risks that arise from using HFO as fuel for ships, especially in cold climate. In this respect there are issues with the quality of HFO delivered to the ships - now and in the future, the pre-heating of the fuel, starting the engines, and maintaining smooth running without engine failure. Switching between HFO and other fuels has also proven to be a complicated and risky task. The project will therefore additionally explore how and why things go wrong while switching fuels.