

EMSA PUBLISHES NEW REPORTS ON SYNTHETIC FUELS AND SAFETY OF HYDROGEN AS A FUEL IN SHIPPING

EMSA has released a new report on the potential of synthetic fuels for shipping, and the second part of a study into the safety aspects of hydrogen as a fuel for shipping. The new report on synthetic fuels analyses the potential of e-diesel, e-methane, and e-methanol, which are renewable e-fuels, across a range of areas and indicators, including production of renewable e-fuels, sustainability, availability of renewable e-fuels for shipping, techno-economic aspects, and the regulatory landscape, including at international level. This is the latest report in a series on the potential of alternative fuels for shipping which has already included bio-fuels, ammonia, hydrogen, and wind propulsion. The report [is available to download here](#). At the same time, EMSA has released the second part of its study investigating the safety of hydrogen as fuel on ships. This report presents a comprehensive examination of three topics: the reliability of hydrogen equipment, the reliability of safety-critical systems, and a safety analysis of hydrogen ships. The overall project aims to carry out a structured set of safety assessments and reliability analyses, with the eventual aim of delivering a Guidance document addressing ships using hydrogen as fuel. This report series is part of a wider series of studies on the safety aspects of alternative fuels, including ammonia and bunkering with biofuels. [The entire report series can be downloaded here](#).



The two new reports are available to download from EMSA's website, along with the entire alternative fuels study series.

3RD WORKSHOP ON ALTERNATIVE FUELS AND POWER SUPPLY FOR SHIPPING AND PORTS AT EMSA

On 26 and 27 November, EMSA held its third workshop on alternative fuels and power supply for shipping and ports at its Lisbon headquarters. The workshop gathered maritime stakeholders from all over the EU, including from Member States, industry, and academia to learn more about key developments in the area of alternative fuels at EMSA. The Executive Director of EMSA, Maja Markovčić Kostelac, opened the workshop with an overview of EMSA's work in this domain, noting that in 2024, the Agency had made significant progress from a safety perspective with studies focused on ammonia and hydrogen. During the workshop, those studies were presented for further information and discussion. Also presented was the new study on synthetic fuels. An analysis of the current concepts and projects being studied around the possible uses of nuclear power as a potential power source was also discussed at the workshop. The second day concentrated on FuelEU Maritime, including the compliance process, certification of marine fuels and emission factors, and an update on implementation planning given by experts from the Directorate-General for Mobility and Transport and EMSA.



The workshop gathered maritime experts from all across the EU, coming from national administrations, industry, and academia.

TENTH ABM AND ADVANCED ANALYTICS WORKSHOP AT EMSA

EMSA has hosted the tenth Automated Behaviour Monitoring (ABM) and Advanced Analytics Workshop, bringing together 37 experts from 11 Member States and 6 EU Bodies and Agencies. The workshop focused on sharing best practices in the operational use of ABMs, including monitoring vessels of interest, detecting AIS spoofing, and addressing GPS/GNSS jamming impacts on ABM alerting; presenting and discussing the latest ABM developments; exploring EMSA's Maritime Analytics Tool (EMAT) and its always-on ABM capabilities for practical applications; initiating the drafting of use cases for a future ABM course at the EMSA Academy. This collaborative effort continues to strengthen maritime surveillance and enhance the tools available to stakeholders across the EU.



WORKING GROUP ON “AUTOMATIC IDENTIFICATION SYSTEM (AIS) SPOOFING”

The High-Level Steering Group for Governance of the Digital Maritime System and Services (HLSG) has taken a significant step forward in enhancing maritime security, adopting the Terms of Reference of a dedicated Working Group on “Automatic Identification System (AIS) spoofing”. Member States have nominated experts to join this initiative, and the Working Group convened its second meeting in a hybrid mode on 19 November in Lisbon. Participants shared insights and best practices for detecting and assessing AIS spoofing, as well as GPS and GNSS jamming, aiming at strengthening resilience against these growing threats. This collaboration underscores the importance of collective action from all stakeholders to protect maritime operations and ensure the reliability of critical digital systems at sea.



71ST MEETING OF THE EMSA ADMINISTRATIVE BOARD TAKES PLACE

On 27-28 November, the 71st meeting of the EMSA Administrative Board took place in EMSA's Lisbon headquarters. The meeting, the third and final of the year, was held in-situ, and was held under the chairmanship of Wojciech Zdanowicz, Director of the Maritime Office in Szczecin, Poland.



The 71st meeting of the EMSA Administrative Board was held in EMSA's headquarters in Lisbon

emsa.europa.eu

VACANCIES: Reserve list for an Officer - Maritime Support Services (19/12/2024); See website for more.

PROCUREMENT: Serviços Médicos e de Saúde (18/12/2024); See website for more.