

SAY GOODBYE TO PAPER LOGBOOKS, AND RETRIEVE DATA AUTOMATICALLY

Accurate and simple. Electronic record books improve the quality whilst removing the manual burden.

- Easy transfer from traditional paper logbooks
- Complies with IMO, MARPOL, SOLAS and Flag States
- Tailored to any vessel type, and any operation
- Secure documentation available on-shore
- Integrated with K-Fleet Voyage Environmentally conscious

K-Fleet Logbook is part of the K-Fleet suite of Marine Fleet Management Software

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Kongsberg Maritime: Marshall Islands Flag State Extends Approval for K-Fleet Electronic Logbook

- *K-Fleet oil record and garbage record logbooks added to previous approval for deck, engine and radio electronic logbooks*
- *This Flag State approval enables over 4000 ships to benefit from accurate, automated and officially recognised electronic reporting*

Kongsberg, Norway, 16th May 2017 – The Maritime Administrator of the Marshall Islands has extended its approval of the sophisticated K-Fleet

Logbook system, enabling over 4000 flag state registered vessels to introduce digital reporting for oil record and garbage record logbooks. The approval states that K-Fleet Logbook may now be used to fulfil the requirements of the Marshall Islands Maritime Regulations (Marine Notice No. 7-041-5) to maintain a deck and navigation log, an engine room log, an oil record book, cargo record book, a garbage record book and a radio log.

As part of the K-Fleet suite of Marine Fleet Management Software, K-Fleet Logbook is a secure, modular solution for digital reporting under IMO, Marpol, SOLAS and flag state requirements. The system collects data from ship systems into central data storage manually or automatically, and supports event based recording of data related to navigation, engine, oil record book, garbage handling, port calls and other operational activities. By enabling automated and electronic data entry using K-Fleet Logbook, daily reporting tasks become less time consuming, reducing workload for officers to focus on operational tasks.

“Many shipping companies are in the process of digitalising operations so this acceptance is highly important to us and the 4000 plus vessels registered to the Marshall Islands, who can now record more activity through our K-Fleet Logbook solution and integrate it with K-Fleet. We hope that this will catalyse further acceptance in other major flag states, enabling even more ships to meet their reporting requirements effectively,” comments Rune Kr. Stålstrøm, Product Manager – Vessel & Fleet Performance, Kongsberg Maritime.

As part of the approval notice, The Maritime Administrator of the Marshall Islands emphasised K-Fleet Logbook's ability to be integrated with the K-Fleet Voyage application to monitor and report daily voyage data in support of and to meet the compliance needs of the forthcoming requirements of new EU-regulation 2015/757, which is a result of the EU calling for a global approach to reducing greenhouse gas emissions from international shipping.

Kongsberg Maritime introduced a new Carbon Dioxide (CO₂) Monitoring, Reporting and Verification (MRV) application for the K-Fleet suite in December 2016. The solution has been assessed as meeting the EU requirements, which entered into force on 1st July 2015, the regulation will be fully effective on 1st January 2018, when large ships using EU ports will be required to report their verified annual emissions and other relevant information.

The K-Fleet suite integrates diverse applications into a powerful system for ship management at the single vessel, fleet and shore-office levels. It is a modular software system designed to assist users' working processes within planned maintenance, inventory management, procurement, QSE, documentation, forms, certificates, voyage reporting and fleet operations. Built on an SQL platform, K-Fleet offers centralised and decentralised management functions and two-way data flow for fleets of all sizes. K-Fleet and the K-Fleet Logbook system (shoreside) are also available on KONGSBERG's brand new digital platform, *kognifai*.

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About Kongsberg Maritime

Kongsberg Maritime is a global marine technology company providing innovative and reliable technology solutions for all marine industry sectors including merchant, offshore, subsea and naval. Headquartered in Kongsberg, Norway, the company has manufacturing, sales and service facilities in 20

countries.

Kongsberg Maritime systems for vessels cover all aspects of marine automation, safety, manoeuvring, navigation, and dynamic positioning. Subsea solutions include single and multibeam echo sounders, sonars, AUV/Underwater Robotics, underwater navigation, communication and camera systems.

Training courses at locations globally, LNG solutions, information management, position reference systems and technology for seismic and drilling operations are also part of the company's diverse technology portfolio.

In parallel with its extensive technology portfolio, Kongsberg Maritime provides services within EIT (Electro, Instrument & Telecom) engineering and system integration, on an EPC (Engineering, Procurement & Construction) basis.

Kongsberg Maritime delivers solutions that cover all aspects of technology underwater and on the water, aboard new build and retrofit vessels, and on offshore platforms and rigs, often under a single supplier strategy called The Full Picture.

Kongsberg Maritime is part of Kongsberg Gruppen (KONGSBERG), an international, knowledge-based group that celebrated 200 years in business during 2014. KONGSBERG supplies high-technology systems and solutions to customers in the oil and gas industry, the merchant marine, and the defence and aerospace industries.

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