### K-Log benefits

**Improved quality - focus on tasks**
- Reduced workload for officers on watch
- Efficient and trouble-free logging
- More efficient information exchange

**Routines made easier**
- One time entry of data, single point of storage

**Efficient ship operations**
- Simplified reporting routines
- Automatic logging of available technical data
- Data available in ship owner’s office

**Reduced cost**
- Reduced communication cost
- Time saving data collecting and reporting

**Data available in ship owner’s office or 3rd party may be viewed in K-Log Fleet Browser.**

**Technical specifications**

**K-Log** is installed on a Marine Information Station computer (Kongsberg supply) onboard the vessel.

**K-Log** includes a position history database which simplifies entry of position data.

**K-Log** may be accessed from any workstation on the vessel’s administrative network. Microsoft® Internet Explorer (5.5 or higher) is required on the work station to access the logbooks.

**K-Log** data sent to ship owner’s office or 3rd party may be viewed in K-Log Fleet Browser.

**K-Log** data storage and security system avoids unauthorised access and tampering of stored data

**K-Log** may be interfaced to:
- Any NMEA 0183 serial interface
- File import
- Kongsberg Navigation system
- Kongsberg K-Chief 500/700 automation systems

Other interfaces are available on request.

**Note!**

This datasheet is subject to change without prior notice.

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### Related Kongsberg Maritime products

- FleetMaster Technical Log
- Maritime Black Box (MBB)
- K-Log Electronic Logbooks
- K-Log Fleet Browser
- Technical specifications

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### K-Log

**K-Log Electronic Logbooks**

The K-Log Electronic Logbooks are designed to replace the traditional paper logbooks. K-Log supports event based recording of data related to navigation, engine watch, port calls and other operational activities. The system is configurable to meet individual requirements.

**K-Log** is designed to meet specific reporting requirements from both IMO, SOLAS and flag states.

**K-Log** provides ship’s officers with an easy way to log all activities onboard according to the requirements from different recipients. The system has the possibility to combine manual data input with automatic recordings from the vessel’s instruments.

**K-Log** is interfaced to a GPS for position and time reference as a minimum. Other systems, such as navigation and automation may be interfaced on request.

**Onboard modules**

- **Deck Logbook** - records navigational events related to the voyage and operations onboard.
- **Engine Logbook** - records engine events related to the engine and machinery operation.

**Reports**

- **Oil Record Book Part I** - records events related to oil and dirty water as required by IMO’s MARPOL convention.
- **Radio Logbook** - records events relevant to radio traffic as required by IMO and the flag states.
- **Dynamic Positioning (DP) Logbook** - manually records operations related to DP operations.
- **Operational Log** - records events related to vessel operation.

**Office modules**

- **Fleet Browser** - provides owner’s office with access to logbook reports from all vessels in the fleet. Reports from selected vessels can be displayed and forwarded internally or externally.
- **Ship Tracking** - optional plug-in that displays the position and track for all fleet vessels in electronic charts.

**Flag acceptance**

The Electronic Logbook is accepted for adding customised events to the logbook.

**User interface**

K-Log design is based on a hierarchical button panel, making the user interface well arranged and easy to adapt and customise. Some of the modules include pulldown menus for adding customised events to the logbook.

**Copy & paste into new documents.**

K-Log position history. This makes efficient logging and one time entry of data. The logbooks are connected to the K-Log position history. This makes insertion of position data quick and correct.

All reports can be opened by Adobe’s Acrobat Reader. Standard features supported are save to file, print report, send as e-mail, search in reports and copy & paste into new documents.

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Deck Logbook

The K-Log Deck Logbook is designed to record all events covered by an conventional deck logbook, such as weather and navigation events, drills and inspection events and other events meeting requirements of IMO and certain flag states.

Standard reports are:
- Deck Logbook report (complete report)
- Drills and Inspection report
- Test and Checks report
- Daily Noon Log (SOLAS)
- Crew History report
- Ship Particulars

The logbook can be configured to automatically record selected online information, such as:
- Wind speed and direction
- Speed, heading and distance
- Other automatic data according to specification

Logbook data may be provided in customised reports to owner’s specifications. Such additional reports can be:
- Weather Reports
- Speed and Distance reports
- Reports on 3rd parties request

Optional features and reports may be supplied. The database is accessible through the ODBC interface.

Engine Logbook

The K-Log Engine Logbook is designed to record events related to operations onboard vessels regulated by IMO, hence meeting the requirements in SOLAS Chapter IV Regulation 17. It includes functionality to register particulars of ship, details of radio personnel and machinery space activities. It is fully flexible.

Reports may be tailored to fit the requirements of each vessel, meeting requirements of IMO and certain flag states.

Data can be presented using bar graphs, pie charts, histograms or other graphic methods.

As a result of collaboration between Kongsberg and one of our customers, we developed the first electronic logbook for a cement vessel. This logbook is based on the K-Log, and is specially designed for cement vessel operation by employing complex calculations and conditions.

Deck Logbook

The logbook can be configured to accommodate requirements from owners. In addition, the logbook can accommodate requirements from 3rd parties. In this way the system setup includes any combination of specifications agreed with the customer before installation.

Operational Log

The K-Log Operational Logbook is designed to record events related to vessel operation, for instance performance, cargo handling and maritime operations. The Operational Log can be customised to meet customer’s requirements.

As an example, Operational Logs have been developed for Shell and Statoil. The Shell Daily Log and the Statoil “Fartøylogg” are both operational reports for supply vessels, used for daily reporting of activities. Typical data reported is time and place of departure and arrival, hours spent on cargo loading/unloading, anchoring and towing, received and used fuel and lubrication.

Customised reports

Kongsberg can develop specially designed reports for each customer, based on the customer’s internal demands, the type of operation and 3rd party requirements.

The customised reports may include any combination of listing of events, sums and calculations, conditions and variances.