

Dear Sir or Madam

As a founding member of www.shipdex.org, MAN Energy Solutions has keenly contributed to developing and implementing the non-proprietary standard Shipdex™ to support the comprehensive digitalisation of the maritime industry.

Shipdex™ provides a standardised protocol for transferring technical information in digital format directly from OEMs and into owners' planned maintenance systems (PMS), see Fig. 1. Thereby, a digital database of the PMS can be generated without the need to re-engineer the product knowledge of the OEM. This cuts time and efforts, provides uniform data quality, and ensures the most precise product information.

As a token of our commitment and belief in the standard, we are happy to announce that owners are entitled to a free data package in Shipdex™ format together with MAN Energy Solutions' two-stroke engines for newbuildings. The data package will be available around the test bed date of the engine/first engine in a series. This will enable a build-up of the PMS maintenance structure digitally, offering several benefits to the operators, see Fig. 2. Already ordered newbuildings which have not yet passed, or have only recently passed, the mentioned test bed are also entitled to the data package.

Shipowners are encouraged to request the data package free of charge at shipdex@man-es.com.

If you have any questions, or wish to receive further information, please contact us at henrikd.kaspersen@man-es.com.

Yours faithfully



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Action code: **COMMERCIAL**

Shipdex

Boosting digitalisation in the maritime industry

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Concerns

Owners and operators of MAN B&W two-stroke marine combustion engines.

Summary

With Shipdex™, you can transfer digital information from OEMs into planned maintenance systems to generate a digital database. For newbuildings with MAN Energy Solutions' two-stroke engines, you can request a **free** Shipdex™ data package to build-up the digital PMS maintenance structure.



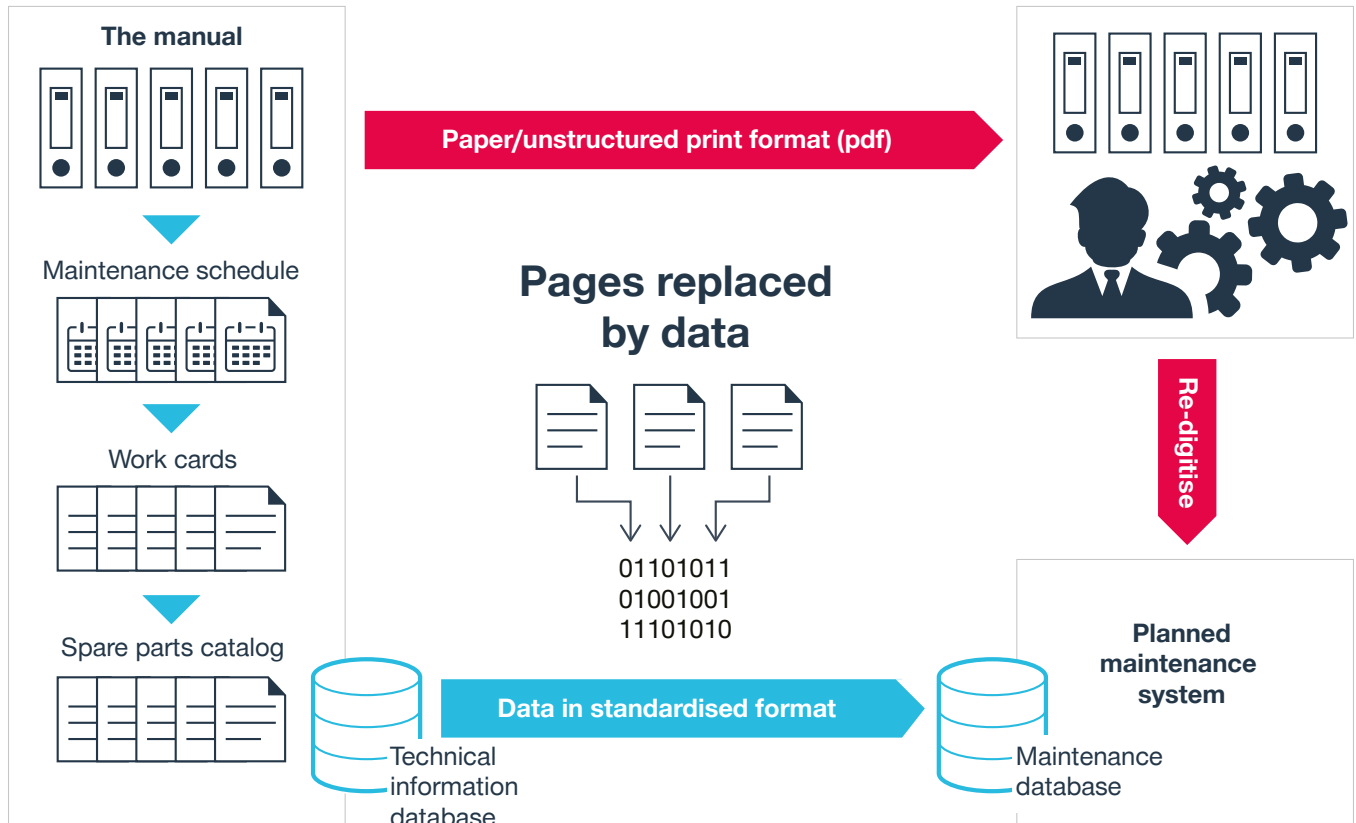


Fig. 1: Replacing traditional pages by a digital data flow from the OEM to owners' dynamic planned maintenance system

Fig. 2 shows the data structure in the free 'Shipdex Viewer', which is available with demo packages on <https://ww2.shipdex.org/shipdex-viewer/>

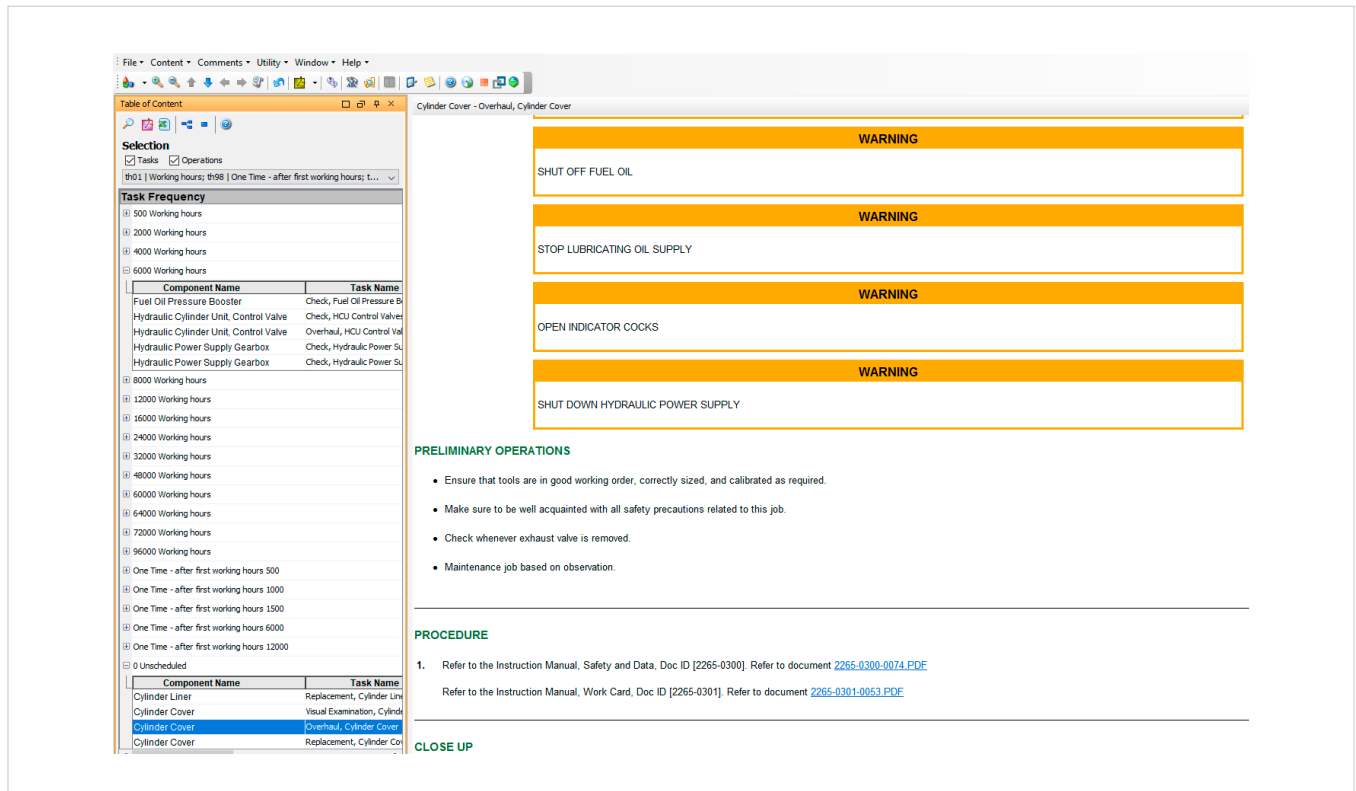


Fig. 2: Data structure in Shipdex Viewer

