
**Ships and marine technology —
Specification for software-based
planned maintenance systems**

*Navires et technologie maritime — Spécification pour la gestion de
maintenance assistée par ordinateur*

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Foreword

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This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 11, *Intermodal and Short Sea Shipping*.

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Introduction

In its International Safety Management Code, the International Maritime Organization (IMO) defines a mandatory regulation on planned maintenance systems (PMS) for ships, for the purposes of promoting efficiency of maintenance and safe operation. Although PMS are regulated to be operated on paper or software, software-based PMS are preferred due to systematization and computerization of the shipping industry. Hence, software-based PMS have already been used to help implement ISM Code 2018 Part A/10. However, a standardized software-based PMS is needed to meet further demand in the era of e-navigation or maritime autonomous surface ships (MASS). In addition, even though shipping companies have been developing their own PMS software and equipping ships, this has been proving difficult for medium to small size shipping companies. This document will prove useful to shipping companies when developing the software program of PMS, by providing the method of inputting, planning, reporting and managing the data of maintenance of items and spare parts.

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