

---

---

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

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

**iTeh Standards**  
**(<https://standards.iteh.ai>)**  
**Document Preview**

[ISO 23323:2021](https://standards.iteh.ai/catalog/standards/iso/eb4a223f-f19a-4578-9793-642fcf7f7a3e/iso-23323-2021)

<https://standards.iteh.ai/catalog/standards/iso/eb4a223f-f19a-4578-9793-642fcf7f7a3e/iso-23323-2021>



**iTeh Standards**  
**(<https://standards.iteh.ai>)**  
**Document Preview**

[ISO 23323:2021](https://standards.iteh.ai/catalog/standards/iso/eb4a223f-f19a-4578-9793-642fcf7f7a3e/iso-23323-2021)

<https://standards.iteh.ai/catalog/standards/iso/eb4a223f-f19a-4578-9793-642fcf7f7a3e/iso-23323-2021>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 SPMS functions</b> .....	<b>1</b>
4.1 General.....	1
4.1.1 Language.....	1
4.1.2 Backup capability.....	2
4.1.3 Ship-shore communication.....	2
4.1.4 PMS code.....	2
4.1.5 Database.....	2
4.1.6 Authentication and authorization.....	2
4.1.7 Update.....	2
4.1.8 Failure recovery.....	2
4.1.9 Cyber security.....	3
4.1.10 Notifications.....	3
4.1.11 Queries and printout.....	3
4.2 Initialization function.....	3
4.2.1 Registration of machinery and parts.....	3
4.2.2 Initialization of the SPMS tasks.....	3
4.3 Maintenance process.....	4
4.3.1 Maintenance planning.....	4
4.3.2 Reporting.....	4
4.3.3 Approval.....	5
<b>5 Optional functions</b> .....	<b>5</b>
5.1 Spare parts management.....	5
5.2 Analysis and optimization.....	6
5.2.1 Maintenance plan.....	6
5.2.2 Spare parts.....	6
<b>6 Control of internal and external SPMS documents</b> .....	<b>6</b>
<b>7 SPMS software and hardware requirement</b> .....	<b>7</b>
<b>Bibliography</b> .....	<b>8</b>