
**Ships and marine technology — Night
vision equipment for high-speed
craft — Operational and performance
requirements, methods of testing and
required test results**

*Navires et technologie maritime — Équipement de vision nocturne
pour navires à grande vitesse — Exigences opérationnelles et de
performance, méthodes d'essai et résultats d'essai exigés*

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 6, *Navigation and ship operations*.

This second edition cancels and replaces the first edition (ISO 16273:2003), which has been technically revised.

The main changes compared to the previous edition are as follows:

- definitions [3.5](#) "performance check", [3.6](#) "performance check (EMC)", [3.7](#) "performance test" [3.8](#) "single operator action", [3.9](#) "field of view" and [3.10](#) "instantaneous field of view" have been added;
- [4.8](#) "Stabilisation of the field of view against the motions of the vessel" has been added;
- [4.10](#) "Clear view", former [4.11](#), has been clarified;
- [4.13](#) "Line of sight" has been added;
- [4.15](#) "Presentation of information", former [4.16](#), has been modified;
- [4.22](#) "Interfacing" has been modified;
- [5.1.2](#) "Performance test" has been added;
- [5.1.3](#) "Performance check", former 6.3, has been modified;
- [5.1.4](#) "Performance check (EMC)" has been added;
- [5.2.3](#) "Roll and pitch test", former 6.2.2, has been modified;
- [5.4.2.8](#) "Wind endurance test" has been added;
- [5.4.3](#) "Test of thermal imaging systems", former 7.2, has been modified;

- [5.4.3.2, Table 2](#) "Atmospheric extinction coefficients for different wavelength ranges" values have been adjusted;
- [5.4.4](#) "Test of active image-intensifier systems", former 7.3, has been modified and testing of non-visible illumination has been added;
- [5.5](#) "Sea trials", former [Clause 8](#), has been modified, the surface of test specimen has been specified;
- [Annex D](#) (normative) "Measurement of MTDP (minimum temperature difference perceived) of thermal imagers" has been added;
- [Annex E](#) (normative) "Stabilisation test for thermal imaging systems" has been added.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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