



Marine & Offshore

**BUREAU
VERITAS**

Attestation number: 77340/A0 BV

File number: TCE03_50

Product code: RA-CYBER

*This attestation is not valid when presented without the full attached schedule
composed of 7 sections*

REVIEW ATTESTATION

This attestation is issued to

Kongsberg Maritime AS

Horten - NORWAY

for

CYBERSECURITY REVIEW

Kongsberg K-Chief

Requirements:

NR467 Bureau Veritas Rules for the Classification of Steel Ships

NR659 Bureau Veritas Rules on Cyber Security for the Classification of Marine Units

IACS UR E27 Rev.1(Sep 2023) Cyber resilience of on-board systems and equipment

This document is issued to attest that BUREAU VERITAS Marine & Offshore reviewed the technical documentation submitted for the equipment identified above. Details of this review are to be found in the "Schedule of Review" in the subsequent pages of this attestation.

For Bureau Veritas Marine & Offshore,

At BV OSLO, on 03 Jul 2024,

Rune MARSTEIN

***This attestation was created electronically and is valid without
signature***



This attestation will not be valid if the applicant makes any changes or modifications to the product which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. This attestation is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgment, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

SCHEDULE OF REVIEW

1. PRODUCT DESCRIPTION :

Kongsberg K-Chief is described in the certificate 53826/A3 BV.

2. DOCUMENTS AND DRAWINGS :

Filename	Reference
110-0048720B Rev.B MC360 Computer Installation Manual.pdf	V2.0
110-0066093 Rev.B System Topology.pdf	V2.0
110-0066078 Rev.A IACS E27 Test Procedure for K-Chief & K-Safe.pdf	V1.0
110-0048723 Rev.B MC360 Computer Maintenance Manual.pdf	V2.0
110-0066099 Rev.B Security Capabilities.pdf	V2.0
TCE03_50-Required doc for ur e27 certification.xlsx	V1.0
Cyber Security information for K-Chief & K-Safe.pdf	V1.0
110-0068347 Rev.A Backup prosedyre.pdf	V1.0
110-0066104 Rev.C Asset Inventory.pdf	V3.0

No departure from the above documents shall be made without the prior consent of the Society. The manufacturer must inform the Society of any modification or changes to these documents and drawings.

3. TEST REPORTS :

Test report 'Test Procedure for K-Chief & K-Safe - BV signed.pdf' was witnessed by a qualified BV Surveyor on the 16/05/2024:

The following subjects were investigated :

- SR 1.1 Human user identification and authentication
- SR 1.3 Account management
- SR 1.4 Identifier management
- SR 1.5 Authenticator management
- SR 1.7 Strength of password-based authentication
- SR 2.1 Authorization enforcement
- SR 2.3 Use control for portable and mobile devices
- SR 2.5 Session lock
- SR 2.8 Auditable events
- SR 2.9 Audit storage capacity
- SR 2.11 Timestamps
- SR 3.1 Communication integrity
- SR 3.2 Malicious code protection
- SR 6.1 Audit log accessibility
- SR 7.6 Network and security configuration settings

4. APPLICATION / LIMITATION :

4.1 This attestation is an intermediate document and does not constitute by itself a BV Type Approval Certificate. This attestation is limited to cyber resilience of product described in 1. as per UR E27 Rev. 1 dated Sept.2023.

4.2 This attestation is only valid when attached to the valid Type Approval Certificate 53826.

4.3. This attestation has been issued based on the review of documentation provided for the Type Approval Certificate 53826/A2 BV. It is manufacturer's responsibility to inform the Society of any modification or changes which could impact the validity of this attestation.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - For information Kongsberg has declared to Bureau Veritas the following production site(s):

**P.O.Box 1009
3194 Horten
NORWAY**

6. MARKING OF PRODUCT :

N/A - Software.

7. OTHERS :

It is Kongsberg responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

***** END OF ATTESTATION *****