

QS - CERTIFICATE OF ASSESSMENT (MODULE D)

Certificate no.:
MERD00001TR
Revision no.:
4

This Certificate is issued by DNV UK Limited, UKAS accredited certification body no. 6086, based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body (no. 0097) to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2025.

This is to certify:

that the **Quality System for the products**

with type designation(s) as specified in the Appendix to this Certificate

issued to

Hansson PyroTech AB
Box 54
711 22 Lindesberg
Sweden

is found to comply with the applicable requirements.

The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, D in the Merchant Shipping (Marine Equipment) Regulations 2025 Annex II and (UK) MSN 1874 Amendment 11.

Date of issue: **2026-07-26**

Expiry date: **2031-07-25**

DNV local unit:
Sweden CMC

Approval Engineer:
Timo Linn



Approved Body No.: 0097



for **DNV UK Ltd.**

Digitally Signed By:
Permoda, Jowita
on behalf of

Christine Mydlak-Röder
MER Service Responsible



Example for the "Mark of Conformity":
0097: number of the Approved Body responsible for quality surveillance module
(yy)yy: year in which the mark is affixed.



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

The product liability tests with the manufacturer or the manufacturer's representative in accordance with the Merchant Shipping (Marine Equipment) Regulations 2025.
This certificate provides the basis for the manufacturer or (if applicable) their authorised representative established within the United Kingdom in conjunction with the UK TYPE EXAMINATION (MODULE B) CERTIFICATE of the equipment listed in the scope to affix the "Mark of Conformity" ("Red Ensign Mark").
This certificate loses its validity if the manufacturer makes any changes to the approved quality system, which have not been notified to, and agreed with the approved body named on this certificate. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
The Manufacturer has to apply for periodical audits to verify the maintenance and application of the quality system every 12 months.

The reference to Module B certificate(s) relate to the revision of the certificate valid at the time of issue of this Module D/E certificate. This module D/E certificate is valid for later revisions of DNV Module B certificate(s) until their expiration date or within the validity dates of this Module D/E certificate, whichever is less. A new Module B certificate will be required when a modification of a product covered by a Module B certificate is of such extent that a new conformity assessment is required by Merchant Shipping (Marine Equipment) Regulations 2025. For Non-DNV Module B certificates, only the revision stated in this Module D/E certificate is regarded valid.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Item no. UK/1.10 Buoyant smoke signals (pyrotechnics)

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Prod. site(s)
IKAROS Buoyant Smoke 3 Minute	MERB00005F2	2029-05-15	0097	N/A	1

Item no. UK/1.11 Line-throwing appliances

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Prod. site(s)
Ikaros Line Thrower	MERB00003R4	2028-09-25	0097	N/A	1

Item no. UK/1.2b Position indicating lights for life-saving appliances: (b) for lifebuoys

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Prod. site(s)
IKAROS MOB Light Signal MKIV	MERB000046Y	2028-12-17	0097	N/A	1

Item no. UK/1.3 Lifebuoys self-activating smoke signals

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Prod. site(s)
IKAROS MOB Smoke Signal MKIV	MERB000046X	2028-12-17	0097	N/A	1

Item no. UK/1.8 Rocket parachute flares (pyrotechnics)

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Prod. site(s)
IKAROS Parachute Rocket Red	MERB000053J	2029-05-15	0097	N/A	1

Item no. UK/1.9 Hand flares (pyrotechnics)

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Prod. site(s)
IKAROS Hand Flare Red	MERB00005F3	2029-05-15	0097	N/A	1

Places of production

1 Hansson PyroTech AB, Box 54, Lindesberg, 711 22, Sweden