

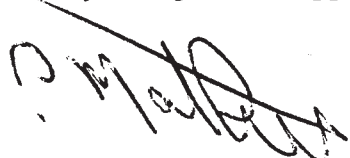
## CERTIFICATE OF TYPE APPROVAL

This is to certify that

LLOYD'S REGISTER OF SHIPPING specified as a "person" under the terms of The Merchant Shipping (Delegation of Equipment Approval) Regulations 1996, did undertake the relevant type approval procedures of the equipment identified below which was found to be in compliance with the essential safety requirements subject to any conditions in the Design Appraisal Document hereto.

<b>Producer</b>	Protector Technologies Group
<b>Address</b>	Matterson House Ash Road Aldershot Hampshire GU12 4DE England
<b>Equipment Description</b>	Sabre Elsa 2000 - Type: ELSA-10-B, ELSA-10-B-EZ, ELSA-10-B-AS, ELSA-10-B-AS-EZ (10 Minute Versions)
<b>Type</b>	SELF CONTAINED BREATHING APPARATUS EMERGENCY ESCAPE PURPOSES
<b>Specified Standard</b>	BS EN 1146: 1997

The attached Design Appraisal Document forms part of this certificate.  
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue	16 December 1998	Issued by	Lloyd's Register of Shipping, London
Expiry date	15 December 2003		
Certificate No	MCA 9950001	Signed	
Sheet No	1 of 2	Name	P. Mather

Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the nominated body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



Maritime and Coastguard Agency  
An Executive Agency of the Department of the  
Environment, Transport and the Regions

This certificate is issued under the authority given in Merchant Shipping Notice No M 1645.

NOTICE – This certificate is subject to the terms and conditions overleaf, which form part of this certificate.

**DESIGN APPRAISAL DOCUMENT**

Date 16 December 1998	Quote this reference on all future communications CSD/SAS/FIRE/MF/34313.1
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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. MCA 9950001**

The undernoted documents have been appraised for compliance with the relevant International Conventions and UK legislation for the Type Approval of Marine Equipment for use on Merchant Ships Registered in the United Kingdom.

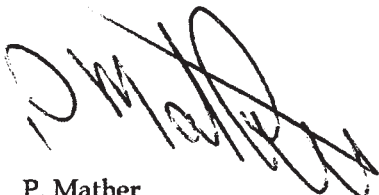
This Design Appraisal Document forms part of the Certificate that is issued under the authority given in the MCA Merchant Shipping Notice No M 1645.

**APPROVAL DOCUMENTATION**

INSPEC Certification Limited, Salford, UK, Test Reports No. 98.07.61 dated 6 August 1998 and No. 98.08.17 dated 13 August 1998.

**TEST REPORTS**

1. The suitability of the equipment for the intended application is to be considered on a case by case basis.
2. Compressed air cylinder to be designed and tested to codes of practise recognised by LR.



P. Mather  
Senior Surveyor in Charge  
Statutory Approval Services  
Construction Services Department

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

**NOTICE: This document is subject to the terms and conditions overleaf, which form part of this document.**

FORM 6438 (04/96)

Lloyd's Register of Shipping, registered office: 71 Fenchurch Street, London EC3M 4BS

**THIS DOCUMENT IS SUBJECT TO THE TERMS AND CONDITIONS OVERLEAF**