

MARINE DIVISION

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Certificate number: 21464/A0 BV

File number: AP1944

Product code: 4482H

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

TYPE APPROVAL CERTIFICATE

This certificate is issued to

MARINER SYSTEMS (UK) Ltd
Wokingham - UNITED KINGDOM

for the type of product

MARITIME PERSONAL COMPUTERS

HP Compaq dc7900 Small Form Factor (SFF) PC

Regulations and standards:

Bureau Veritas Rules for the Classification of Steel Ships

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of the Regulations and standards mentioned above.

This certificate is valid until: 10 Mar 2014

At Neuilly, on: 10 Mar 2009

For BUREAU VERITAS,
By order of the Secretary

L. COURREGELONGUE

Approval office



Local office: BV LONDON
Surveyor: S. Yule



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division. 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 judgement, 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.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

HP Compaq dc7900 Small Form Factor (SFF) PC

The HP Compaq dc7900 Small Form Factor (SFF) PC must be used in conjunction with the appropriate Mariner Systems Kits MS2170 or MS2180.

For the complete approved component list, refer to the Mariner Systems HP dc7900 PC Series Component Options sheet.

For approval status and test reports of different modules installed in the HP Compaq dc7900 Small Form Factor (SFF) PC, refer to Mariner Systems Internet Page: www.marinersystems.com

2. DOCUMENTS AND DRAWINGS :

Mariner Systems (UK) Ltd drawing - MS2170_A Issue 1 dated 25th November 2008.

Mariner Systems (UK) Ltd drawing - MS2180_A Issue 1 dated 25th November 2008.

HP Compaq dc7900 Datasheet - DA13029 Version 6 dated 20th October 2008.

Mariner Systems Component Options sheet - HP Compaq dc7900 PC Series dated 12th November 2008.

Internet Pages:

-<http://www.hp.com/eur/desktops>

-<http://www.marinersystems.com>

3. TEST REPORTS :

Mariner Systems (UK) Ltd environmental reports TL1228 dated 5th December 2008 and TL1229 dated 5th December 2008.

4. APPLICATION / LIMITATION :

4.1 - Each PC must be used in conjunction with the appropriate Mariner Systems Kits MS2170 or MS2180.

4.2 - According to BV Rules for the Classification of Steel Ships.

4.3 - Approval also valid for ships to be granted with the notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The HP Compaq dc7900 Small Form Factor (SFF) PC is to be manufactured, examined and tested by **MARINER SYSTEMS (UK) LTD** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end **MARINER SYSTEMS (UK) LTD** has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

5.3 - **MARINER SYSTEMS (UK) LTD** has declared to Bureau Veritas that the type of product described in this certificate is manufactured at the following production site:

MARINER SYSTEMS (UK) LTD
Oaklands Park
Wokingham
Berkshire
UNITED KINGDOM

5.4 - Each equipment is to be supplied with manual(s) for installation, use and maintenance.

6. MARKING OF PRODUCT :

- Maker's name or trade mark.

- Serial number of the unit.

- Equipment type or model identification under which it was type-tested.

7. OTHERS :

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the Personal Computers at any time, and that **MARINER SYSTEMS (UK) LTD, Wokingham - United Kingdom**, will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

***** END OF CERTIFICATE *****