

# Type approval PIAS by Germanischer Lloyd

For more than 15 years SARC had a type approval certificate for their PIAS ship design software. The last certificate expired at June 29, 2012 (see picture of certificate below). GL has stopped with delivering type approval certificates. When SARC asked GL for an official document with a confirmation of this new policy, we received below email. SARC considers this email as their confirmation.

From: Mendes, Olivier [mailto:olivier.mendes@gl-group.com]  
Sent: Tuesday, September 18, 2012 9:45 AM  
To: Sarc  
Cc: Vareillas, Christophe  
Subject: RE: Type approval certificate PIAS

Dear Sir,

As mentioned per email already we do not deliver any type approval certificate. If you would like to receive an official document stating it please be informed that this will be charged 400 euros. Please confirm whether you accept our offer.

Best regards,

Germanischer Lloyd SE  
Ship Service Delivery Hamburg  
Dept. MPV & Container Vessel

Dipl.-Ing. Naval Architect  
Plan Approval  
Brooktorkai 18  
20457 Hamburg / Germany

**CERTIFICATE NO. 90401 HH**

Germanischer Lloyd

*This is to certify that the following Computer Programm is recognized by Germanischer Lloyd*

1. Name of Program	: PIAS
2. Version-Number	: Version 22.11.1996 (date of executable file)
3. Applicant	: Scheepsbouwkundig Advices en RekenCentrum SARC BV Eikenlaan 3 NL-1406 PK Bussum
4. Computer-Type	: IBM PC, IBM compatibel PC
5. Operation System	: MS DOS
6. Programming Language	: Pascal
7. Documentation	: Description of PIAS

**The program PIAS has been accepted for computations in following areas:**

- Hydrostatic Curves
- Tank Tables
- Intact Stability
- Damage Stability

Based on Germanischer Lloyd's Testship, intact- and damage stability computations and results were found to be within an acceptable scope of accuracy. The program as specified may be used for conventional hullforms.

**The program covers the following rules and regulations:**

- International Convention on Load Lines, 1966, Reg. 10(1)(2) for intact stability
- IMO Res. A167 and additional requirements of the German Administration for intact stability
- SOLAS 74/90, Chapter II-1, Part B, Reg. 8 for damage stability of passenger vessels
- MARPOL 73/78, Annex I, Reg. 25 for damage stability
- IBC Code, Chapter 2 for damage stability
- IGC Code, Chapter 2 for damage stability

**Remarks:**

This certificate is valid for the above specified program version as filed by Germanischer Lloyd.

To maintain its validity modifications and/or corrections intended shall be notified to Germanischer Lloyd, who will decide on re-examination as necessary.

The present certificate is issued within the scope of the general terms of business of Germanischer Lloyd.

The Certificate is remains valid until 2012-06-29 inclusive.

Hamburg, 2007-06-29

GERMANISCHER LLOYD

Christian Mains Dirk Lange

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Es gelten die Klassifikationsvorschriften des Germanischen Lloyd in ihrer jeweils neuesten Fassung.  
Anwohnsitz: Gerichtsstand und Erfüllungsort Hamburg. Es gilt deutsches Recht.  
Subject to the respective latest of Germanischer Lloyd's Classification Rules. Exclusive jurisdiction and place of performance is Hamburg.  
German law applies.