



DIVISION MARINE
DIRECTION TECHNIQUE
MARINE DIVISION
TECHNICAL MANAGEMENT

Sections : AP 4089
O. Ref. : DT3/10/1341

CONCEPT APPROVAL ATTESTATION
Compliance to IEC 61363 Standard

The undersigned, acting within the scope of the general conditions of Bureau Veritas Marine Division, certifies that the concept described hereafter:

Type :

Short-circuit current calculation on alternating current systems carried out by the software CANECO HT – MODULE HT5 according to IEC 61363-1 (1998)

Manufacturer :

*ALPI SA
Application Logiciel Pour l'Ingénierie
1 by Charles de Gaulle
F-92707 COLOMBES Cedex France*

Was found to meet the relevant requirements of Bureau Veritas Rules for the classification of steel ships regarding short-circuit current (BV Rules PtC, Ch2, Sec3, [7.2.2], April 2009), on the basis of the following documents and drawings:

- 1°) Reference manual – October 2009
- 2°) Marine Caneco HT manual – Version 1 – Date: 03/25/2010
- 3°) ALPI quality manual – Ref: MANUEL QUALITE ALPI_2010_01_25B.PDF
- 4°) Shipboard electrical power distribution modelling according to IEC 61363 standard– Comparison between manual calculation result and Caneco HT calculation – Version 2.1.0.3 – Date: 11/14/2008

Neuilly-Sur-Seine, 29/11/2010

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The latest published Rules of the Bureau Veritas Marine Division and the General Conditions therein are applicable.
La dernière édition des Règlements de la Division Marine du Bureau Veritas ainsi que les Conditions Générales qui y figurent sont applicables.