Lloyd's Register

Certificate of Approval

Certificate No: CLI/13/219

Issue Date: 11/03/2013

Expiry Date: 10/03/2018

This certificate is issued to: Central Marine Research & Design Institute (CNIIMF)

Kavalergardskaya St., 6
St. Petersburg
191015, Russian Federation

Program Name: Stabedit

Program ID/Version Number: 3.81.1

Minimum Hardware Specification:
Processor: 1024 MHz
RAM: 1GB
Display 17", 1280×960 screen resolution
HDD - 100 Mb free space

Operating System: Windows XP/7

User's Operations Manual ID: CLI/13/219

This is to certify that the above Strength and Intact & Damage (Type 3) Stability calculation program has been examined in accordance with the relevant Classification Rules and the requirements of Statutory Regulations and is approved for the functions stated on the Supplement attached hereto.

Conditions of Certification:

Approval of test conditions will be required together with an installation test for each specific ship.

The supplier is responsible for ensuring that any computer software and hardware is capable of handling date changes without loss of performance or functionality. The capability of the computer software and hardware to handle date changes without loss of performance or functionality has not been demonstrated to Lloyd's Register EMEA.

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William Fullman
Surveyor to Lloyd's Register EMEA
A Member of the Lloyd's Register Group

Program Name :	Stabedit		
Program Version :	3.81.1		

	INTACT	**DAMAGED**
Strength Features:		
Shear Forces and Bending Moments	Yes	--/--
Multiple Shear Forces and Bending Moments		--/--
Bulkhead Shear Force Correction Factors		--/--
Cargo Torque		--/--
Multiple Cargo Torque		--/--
Longitudinal Strength In Flooded Hold Conditions		--/--
Local Double Bottom Strength		--/--
Stability Features:		
Program Type:		
Hydrostatic data- Pre-programmed Even Keel,Trimmed or 3D Hullform	E	3D
Cross curve data- Pre-programmed Even Keel,Trimmed or 3D Hullform	E	3D
Tank capacity data- Even keel,Trimmed,3D hullform or 3DI (3D ignnoring trim)	E	3D
Downflooding Data- Even keel angles, Trimmed:angles or 3D points	EA	3D
Intact Stability:		
A749(18) General Criteria check (A167 para. 3.1.2)	Yes	--/--
A749(18) Timber Criteria check (A206 para. 4.1.3)	No	--/--
Automatic Timber Cargo Water Absorbtion Calculation	No	--/--
A749(18) Weather Criteria (A562 para. 3.2.2.)	No	--/--
Windage Data- Single Table, Variable Table or Direct Area Calcultation		--/--
Icing - Deadweight item or density on Surface area		--/--
Free Surfaces:		
Pre-defined Maximum values (at zero heel, Even keel or Trimmed)	E	
Pre-defined Calibrated data (at zero heel, Even keel or Trimmed)	E	
Directly calculated from tank geometry, taking heel into account	No	
Directly calculated from tank geometry taking heel and trim into account	No	Yes
GZ Curve:		
Program calculates ship's overall TCG	Yes	--/--
GZ curve calculations included for any initial heel angle (using GM or GZ)	YesGZ	YesGZ
GZ corrected for constant FSM/GGo for all heel angles	Yes	Yes
GZ corrected for FSM/GGo varying with heel (from pre-defined tables)	No	No
GZ directly calculated from 3D hull/tank geometry and floating position	No	Yes
Reference displacement - Intact, Intact minus Outflow, full Variable	--/--	I
Intermediate Stages assessed (number of stages)	--/--	5
Limiting GM/KG Curve:		
Single parameter, pre-programmed (ie. limit versus draught)	Yes	No
Two parameter, pre-programmed (ie. see DAD for paramters)	No	No
Multiple parameter, pre-programmed (ie. see DAD for paramters)	No	No
Combined limit curve option (only where no separate curves exist)	No	--/--
Grain Stability:		
Pre-programmed trimmed/partly filled data	No	--/--
Pre-programmed trimmed/untrimmed/partly filled data	No	--/--
Grain stability individual criteria check	No	--/--
Pre-programmed allowable heeling moment check	No	--/--
GZ curve with heeling moment plot shown	No	--/--