

Category:

Instruction no.: 4-2019

☐ Operational

☐ Nautical

Our ref. and file no: 2018/91906

☒ Technical

☐ Other

Date: 14 May 2019

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Signature: Lars Alvestad, acting Director General

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Computer software programs approved by the Norwegian Maritime Authority for calculating tonnage, intact or damage stability of ships registered in a Norwegian ship register

1. Purpose

- 1.1. Instruction to Class (IC) 4-2019 lists the current computer software programs approved by the Norwegian Maritime Authority (the NMA) for calculating tonnage, intact or damage stability for ships registered in a Norwegian ship register.

2. Application

- 2.1. IC 4-2019 applies when Recognised Organisations (ROs) are authorized to approve tonnage measurements, intact and damage stability documentation for ships delegated pursuant to annexes I, II or III to the Agreement of 1 June between the Ministry of Trade, Industry and Fisheries and ROs (the Agreement).

3. Definitions

- 3.1. None.

4. References

- 4.1. The Agreement articles 2.2 and 2.3.

5. Background

- 5.1. Tonnage, intact or damage stability calculations are routinely carried out applying dedicated and specialist computer software programs.

6. Repeal

- 6.1. IC 3-2008 is repealed (a.k.a. NIS Circular 3/1998)

7. Item

- 7.1. When ROs are calculating the gross and net tonnages as required by international instruments, subject calculations shall be carried out in a computer software program approved by the NMA.

- 7.2. When ROs are documenting the intact or damage stability, subject calculations shall be carried out in a computer software program approved by the NMA.
- 7.3. The list of computer software programs approved by the NMA is set out in the annex to IC 4-2019.

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Annex

Revised by the Norwegian Maritime Authority 14 May 2019

PROGRAM NAME:	D*:	DEVELOPED BY:	SUPPLIED BY:
HYPET-series Vs. 3.6	D	KHR-data Norway	KHR-DATA N-6767 Stårheim Norway
WOLFSON UNIT Vs. 6/ Apple PC IBM Vs. 3.0 NMD	D	Wolfson Unit England	Wolfson Unit University of Southampton Highfield Southampton S09 NH5 UK
NAPA-system Vs. 95.2	D	OY Wartsila Finland	NAPA OY POB 322 FIN-00151 Helsinki FINLAND
SIKOB Autokon hydrostatics Level 13-015	D	Seasafe AB Sweden	Seasafe AB S-19178 Sollentuna Sweden
SHIPSHAPE Vs. 3.10 (1990) Vs. 4.0	D	Marintek Norway	MARINTEK A/S P.B. 4125 Valentinlyst N-7000 Trondheim Norway
AUTOHYDRO Vs. 1.0	D	Coastdesign Inc. Canada	Coastdesign Norway Rosenkrantzgate 16 N-0160 Oslo Norway
PIAS	D	SARC BV The Netherlands	SARC BV Eikenlaan 3 NL-1406 PK Bussum The Netherlands
GHS (ex. AUTOSHIP) BHS/GHS 4.24	D	Coastdesign Inc. Canada	Creative Systems Inc. POB 1910 Port Townsend Washington 98368 USA
FORAN system (August 1996)	D	SENER, Ingeniera y Sistemas SA	SENER, Ingeniera y Systema SA, Severo Ochoa 4 – PTM 28760 Tres Cantos, Madrid Spain
TRIBON CALC 4.x – M1 (Ex. KOCKUM)	D	TRIBON Solutions Ltd. England	TRIBON Solutions (UK) Ltd. Centre for advanced Industry Coble Dene, Royal Quays North Shields, Tyne and Ware

			NE29 6DE United Kingdom
MAXSURF Stability CONNECT Edition 22.00	D	Bentley Systems, Incorporated	Corporate Headquarters: Bentley Systems, Incorporated 685 Stockton Drive, Exton, PA 19341, United States International Headquarters: Bentley Systems International Limited 2, Park Place, Upper Hatch Street, Dublin 2, Ireland Phone: (+353) 1 436 4600 www: http://www.bentley.com
DELFTSHIP Vs. 6		Delftship BV Marine The Netherlands	Delftship BV Marine Software Parklaan 83 2132 BM Hoofddorp The Netherlands
MAAT Hydro Vs. 7.11		SISTRE Shipdesign Software Greece	SISTRE Shipdesign Software Agios Nikolaos St. PORTARIA – VOLOS 37011 GREECE

Version identifier (Vs.) refers to the version of the program at the time of approval. Later revisions may have higher numbers.

* D (second column): The “D” means that subject computer software program is approved for the calculation of damage stability also. Intact stability, damage stability and tonnage calculations shall always be calculated with the same program system and hull database

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