
Date **4th January, 2016**

Our Ref **HST Release 2**

HST Release 2

+LOADING
+DAMAGE
+ONBOARD

Dear Software Customer,

The Wolfson Unit is pleased to announce the launch of Release 2 of its Hydrostatics and Stability suite HST.

The upgrade has been driven by new requirements arisen from our bureau service work and feature requests from customers worldwide. The launch follows extensive scrutiny conducted by the Wolfson Unit and pilot customers, including University of Southampton staff and students (250 seat network license) and officers of Research Ships running the HST 2 Onboard program.

Perpetual licenses with full software support continue to be available and, in addition, customers may now hire licenses for the HST 2 program and its individual modules. Bespoke maintenance agreements covering training in the use of HST 2, technical support and consultancy are also available.

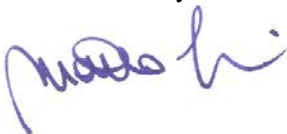
We have pleasure in enclosing pricing information and a set of release notes, which give full details of the new features of HST Release 2.

A demonstration version can be downloaded from www.wumtia.soton.ac.uk/software together with full details of our other marine design software and consultancy services.

The last older version of the program, version 10.08.15, is end-of-life software and has now been withdrawn from sale but will remain on the website as a free download to users of HST Release 1.

Please contact a Wolfson Unit member of staff to discuss the upgrade or if you have any further queries.

Yours faithfully,



Matteo Scarponi,
Software Manager.

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RELEASE NOTES

1 NEW AND IMPROVED STABILITY CRITERIA

- Criterion 11 - Beam wind and rolling. Calculation of the steady wind heeling lever & angle of roll to windward due to waves is now automatic and condition-specific.
- Criterion 32 - Applied heeling curve. New option of automatic, condition-specific calculation of wind moment for use in IMO Weather Criterion.
- New criterion 34 - 'The equilibrium heel angle shall not exceed A times angle of deck edge immersion'. Option of automatic, condition-specific calculation of wind moment for use in IMO Weather Criterion.
- New criterion 35 - IMO IS Code 2008, 'Freeboard of pontoons'.
- New criterion 36 - BV Rules for Classification of Steel Ships, 'Sudden loss of cargo when lifting'.
- New criterion 37 - Australian NSCV Chapter 5A, 'Minimum residual area'.

2 IMPROVED COVERAGE OF STABILITY STANDARDS

- Calculation of 'Maximum steady heel angle to prevent downflooding in gusts', for use in stability booklets of MCA-coded commercial sailing vessels of up to 24m.
- Calculation of 'Curves of maximum steady heel angle to prevent downflooding in squalls', for use in stability booklets of MCA-coded commercial sailing vessels of up to 24m.
- Extended and updated database of stability criteria (.mcr), with indication of relevant international standard.

3 IMPROVED REPORT CONTENT

- Improved Maximum KG reporting, with condition-specific GZ plots showing actual and required parameters for all Max KG criteria.
- The new 'Output SG' tab of the 'Tank or Compartment Conditions' dialog enables setting several specific gravities for a given tank. Capacities in mass and FSM in mass per distance for selected specific gravities are now routinely provided in the output.
- Percentage Full output for Tanks in Loading Conditions report.
- Improved ASCII output for use in Wolfson's technical plotting program GoPlot.

4 IMPROVED HELP SYSTEM

- Embedded, context-sensitive HTML help system in .chm format.
- New demonstration file ‘testhull2’ available, together with parent Rhinoceros™ and AutoCad™ models, a Wolfson hull lines (.lth) definition and a digitiser-ready body plan (.pdf).
- Six new technical notes now available: Effect of CoG height on vessel free to trim, CAD import techniques, Maxsurf to HST, Cross curves, Shell thickness and Swim end modelling.

5 NEW LICENSING AND MAINTENANCE CONTRACT OPTION

- New Sentinel HASP hardware locks have enhanced security and functionality.
- New locks enable license hire, compliance with newer license servers and remote upgrades.
- New, web-based license manager enables remote access to license server via a VPN connection.
- Maintenance contracts are now available covering training in the use of the software, technical support and consultancy directly from Wolfson Unit engineers.

6 EXTENSIVE VALIDATION

- Successfully validated and verified against approved stability books compiled by third parties. Benchmark vessels include: 78m Diving Support Vessel, 89m Research Ship, 100m Research Ship, 180m Bulk Carrier, 180m Car Carrier.

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PRICING INFORMATION AND UPGRADE OFFER

Module	Price of first license
HST2 Core	£1,400
HST2 Loading*	£1,680
HST2 Damage*	£1,680
HST2 Onboard	from £2,800

* Requires HST2 Core

Customers with the existing version of the program can upgrade to Release 2 as described below:

Module	HST R1 purchase date	
	On or before 31/12/2013	After 31/12/2013
HST2 Core	£400	£0 to £400 over 2 years sliding scale
HST2 Loading*	£400	£0 to £400 over 2 years sliding scale
HST2 Damage*	£400	£0 to £400 over 2 years sliding scale
HST2 Onboard	£400	£0 to £400 over 2 years sliding scale

* Requires HST2 Core

This offer will end on the 1st May. A new dongle enabled for HST 2 will be shipped upon receipt of payment and the old dongle.