



**СВИДЕТЕЛЬСТВО О ТИПОВОМ ОДОБРЕНИИ  
ПРОГРАММЫ РАСЧЕТОВ ДЛЯ ЭВМ**  
**TYPE APPROVAL CERTIFICATE FOR COMPUTER PROGRAM**

1. Наименование программы  
Program name

Maxsurf Stability  
Version 19

2. Разработчик программы  
Program writer

Bentley Systems, Inc.

3. Тип ЭВМ  
Computer type

IBM PC

4. Краткое описание метода расчета  
Brief description of the calculation method

Hydrostatic, cross curves, stability and damage stability calculations are performed using integration of vessel's hull form model.

5. Область применения  
Applicable for

Scope of calculation described in p.8 for monohull vessels and catamarans.

6. Основание для одобрения

Basis for the approval

Satisfactory results of test conditions.

7. Примечания

Notes

1. Any further corrections of program should have the Register approval.
2. This Certificate is valid until 8 July 2018.
3. If this program is used by Organization which is not the Author/Owner (see p.2) this Organization should have the copy of this Certificate and license for program using issued by Author/Owner.

8. Заключение

Conclusion

Based on item 6 with due regards for items 5 and 7 this program is approved and may be applied in following calculations:

- hydrostatic characteristics;
- cross curves;
- tank capacities (including free surface correction);
- water on deck calculation according Stockholm Agreement;
- intact trim and stability (also calculation of intact limiting VCG values according to stability criteria set by a user\* including RS Rules criteria);
- probabilistic damage calculation according to MSC 216(82) and MSC 19(58);
- damage trim and stability (also calculation of damage limiting VCG values for initial condition according to stability criteria set by a user\* including RS Rules criteria).

\* Appropriate stability criteria could be set by a user or chosen from the following:

intact stability criteria: initial metacentric height, stability curve criteria, weather criterion according to IMO A.749(18), heeling angle due to external heeling moments, high speed craft criteria according to MSC. 97(73).

damage stability criteria: equilibrium metacentric height, stability curve criteria, minimum freeboard to downflooding openings.

8 July 2013

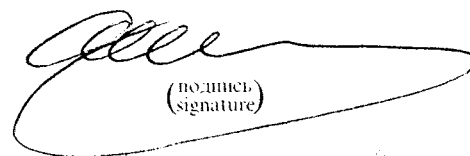
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