



MACS3 E-LEARNING FOR CONTAINER VESSELS

The web-based training program provides hands-on training for using the loading computer system MACS3 for container vessels.

The e-learning program focuses on training the competencies stability and strength, cargo handling, cargo stowage, cargo lashing and dangerous goods.

It is designed for experienced mariners and other individuals with responsibilities in cargo operations, as well as students at maritime academies working to obtain a certificate as a Navigational Watchkeeping Officer or higher.

The course is story-based, presenting typical tasks for practice. Numerous tutorials and exercise examples facilitate a better understanding of the learning content. Basic knowledge in cargo operations on container vessels and stability theory is required. The training vessel is a 2,100TEU container vessel.

The course objective is to become a certified MACS3 user as shown by the certificate „MACS3 ready“

The MACS3 e-learning course was developed in close cooperation with representatives of the University of Applied Sciences Flensburg, Maritime Centre, with the aim that the course participants will benefit from the excellent didactical expertise and teaching methodology of experienced vessel loading and stability lecturers.

BENEFITS

- ✓ Course evaluation is designed for applying MACS3 basic for container vessels
- ✓ Includes several tutorials and example cases
- ✓ Targets students, mariners and other individuals in charge of cargo operations
- ✓ “MACS3 ready” certification as proof of a qualified MACS3 user
- ✓ Created in cooperation with lecturers from Maritime Centre of the University of Applied Sciences Flensburg, Germany
- ✓ Available as B2C or B2B solution



CONTENT

The course focuses on the MACS3 modules for Container Vessels Belco, Dangerous Goods and Sealash and provides numerous exercise examples and tutorials which can be best understood using the enclosed MACS3 demo version.

The following competencies will be practiced:

COMPETENCIES

- ✓ Understanding the MACS3 user interface
- ✓ Familiarization with what MACS3 looks like on board
- ✓ Communication with planners and terminals
- ✓ Conducting comprehensive condition checks
- ✓ Creating discharge and loading plans, reefer and DG lists for deck watch
- ✓ Designing final departure condition and condition reports
- ✓ Creating restow plans
- ✓ Ballast water operations: preplanning and creation of tank overviews
- ✓ Adjusting the user interface according to the user's needs



CERTIFICATE

In addition, the course provides the MACS3 competence evaluation. The aim of the evaluation is to give feedback on user competency in applying the MACS3 Basic Loading Computer. The evaluation time is 60 minutes with 25 questions to be answered.

After successful completion the personal certificate "MACS3 ready" will be issued and provided for download.



SCOPE OF SUPPLY

The scope of supply incorporates:

- MACS3 training software for container vessels
- All necessary loading conditions and additional files
- Detailed information about the training vessel

Windows 7 or higher is required



REFERENCES

The onboard loading computer MACS3 is used on a wide range of container vessels, multi-purpose vessels, bulk carriers as well as on tanker vessels, offshore vessels and ro-ro vessels. Established in 1984, MACS3 library owns more than 5,000 ship profiles and has a market share of approximately 65% on container vessels.

Our customers include companies listed among the top ten of Alphaliner's ranking such as Maersk, CMA CGM, Cosco Shipping Group, Hapag-Lloyd as well as Seaspan, Peter Döhle, Offen Group and Wuhan University of Technology, Flensburg University of Applied Sciences, Gdynia Maritime University, University of Split and many more.

