Container stowage programs and electronic reporting

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A “system integrator” for inland shipping
Container stowage program

History, 1997
- Stowage programs on board since 1997
- Five manufactures
- A marked of about 250 container vessels in total

Now, 2008
- Two manufactures
- A marked of about 500 container vessels (source: BTB)
- About 300 vessels are equipped
Container stowage program

Why?

M.S. Excelsior (2007)

M.S. Ferox (2006)
Container stowage program

What is a container stowage program?

• A “tool” for container dispatch on board
• Developed out of the practice
• Make a stowage plan easily with a mouse
• Dangerous Goods – Module integrated
• Stability – Module integrated
Container stowage program

For whom?

- Vessels which do container transport, from big (500 TEU) to small (32 TEU)
- Also for push boats with barges
- Multilingual; Dutch, German en French
Container stowage program

Import loading list

- Manually import
- Import automatically BICS–ASCII –message
- Import automatically IFTMIN –message (is an international accepted EDIFACT –message)

Advance?

- Time profit
- Less chance on mistakes
Container stowage program

Making a stowage plan

- Loading list will be automatically sorted
- Containers with dangerous goods will be marked
- Other properties of the containers will be displayed with symbols
- Stow the container with one click of the mouse
- During stowing of each container the stability will be recalculated
- Situation of the vessel will be displayed (clinometer)
Container stowage program

Making a stowage plan

- Total amount of bleu cones is displayed (also total per container)
- Current and maximum stability is displayed continually
- Draft and height is displayed
Container stowage program

Loading

- Stowage plan send out of stowage program by fax or by mail to the each loading/unloading terminal
- Send container list for example to the container operator
- Send dangerous goods list by example to the fairway administration = that is the past!
Container stowage program

Electronic Reporting

• BICS is integrated in the ContainerPlanner stowage program
• Therefore electronic reporting is easily
• BICS is necessary for reference date like;
  - Place- en terminal -codes
  - (Dangerous goods- and HS) cargo codes
  - Calculate amount of blue cones of dangerous goods (BAS)
Container stowage program

Whit one button you easily report your voyage

• Just fill in the amount of people on board
• Automatically the cargo data and the amount of blue cones will be exported out of the container stowage program to BICS

![Screenshot of the container stowage program interface](image)
Electronic Reporting

BICS

- After export BICS will automatically start up
- Voyage will automatically imported in BICS and prepared to send
- It is possible to make adjustments
- Voyage can be send away
Container stowage program

Future

- Voyages directly electronic reported out of the ContainerPlanner stowage program (to the ERI-NET –server)
- Only when reference date is public available
- Better calculate the stability, especially for small container vessels
- Better determine the actual weight of the container
- Terminal planning? (Congestion in the seaports)
Conclusion

- Electronic reporting of containers is possible
- But there is a lot to be improved:
  - Loading lists standardised delivered on board by container operator
  - Standardisation of reference data by the public sector as well by the private sector all over Europe
  - Appropriate maintenance of these reference date
- Do not search for possible problems, but solve them quick when they appear
- Not only by the public sectors, but also by the private sectors
Questions?

Thank you for your attention