



# Digital Ship Scandinavia



Oslo 2006

# Why chose ECDIS



- Safe navigation!
- Reducing the workload!
- Saving fuel!

# Safe navigation



# Safe navigation!



# Consequences...



# Safe navigation



- Full overview at the conning station
- Own and other ships position known at all times
- Voyage can be checked for obstructions
- 24 hours service on new ENC cells.

# Safe navigation

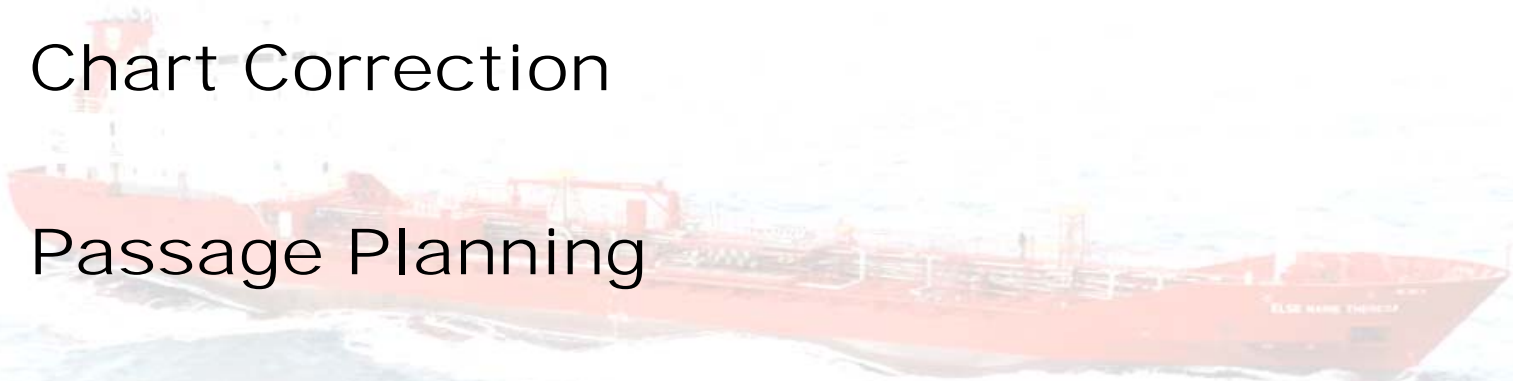


- On-line update of ENC cells via the internet or weekly up-date CD
- T&P corrections included in the corrections
- No deficiencies noted, with regard to erroneous or missing chart correction, during PSC and Oil Major vetting

# Reducing the workload



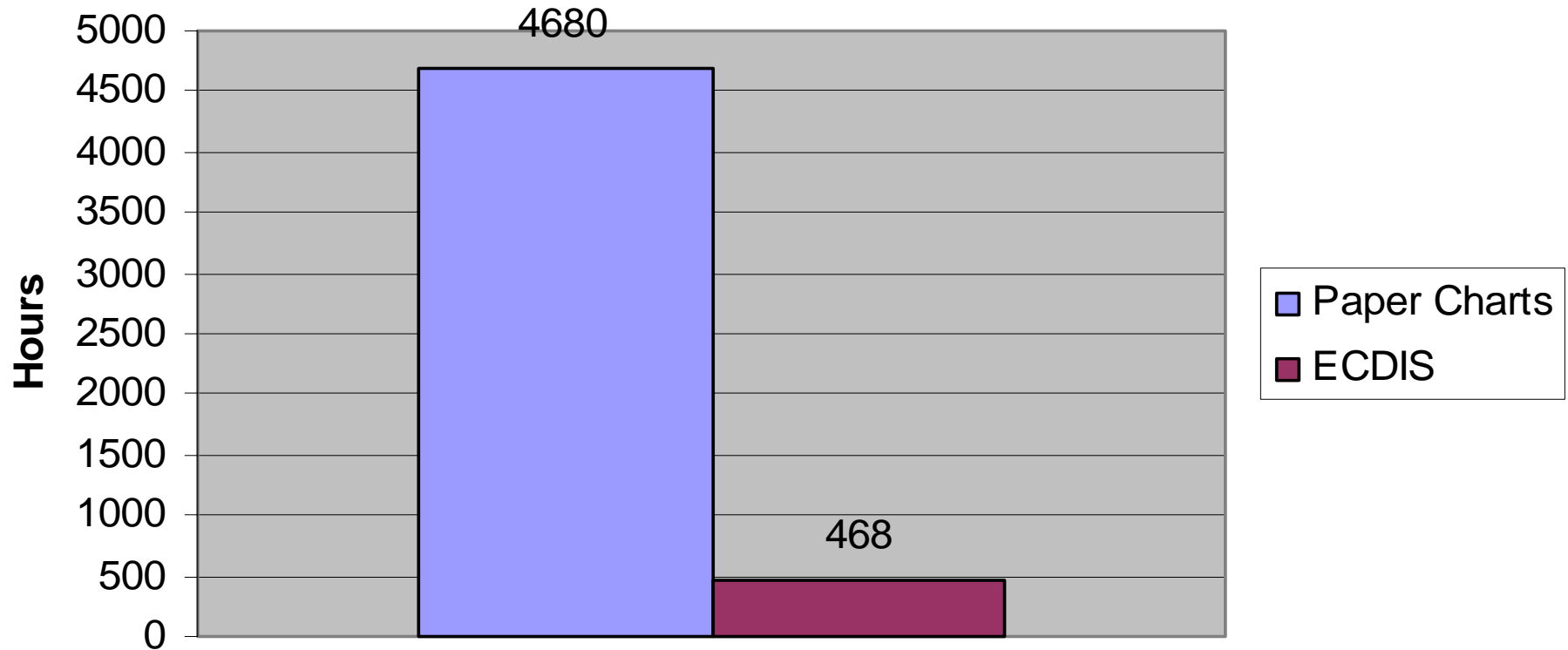
- Maintaining the Chart folio
- Enter corrections into the Chart log
- Chart Correction
- Passage Planning



# Statistic



## Man-hours used for chart correction pr. year



# Passage planning



- The time used for passage-planning is reduced by up to 50%
- Optimized passage planning is saving fuel.

# Disadvantage



- The ENC cells is too expensive
- The period the cells is valid before renewal
- Occasionally new cells can not be installed
- Risk of deficiency noted by PSC caused by missing cell or cells
- The latest base cd not available on board

# Disadvantage



- All charts have to be deleted and re-installed from time to time

- Difficult to form a general view of cells in subscription



# Common Rules or?



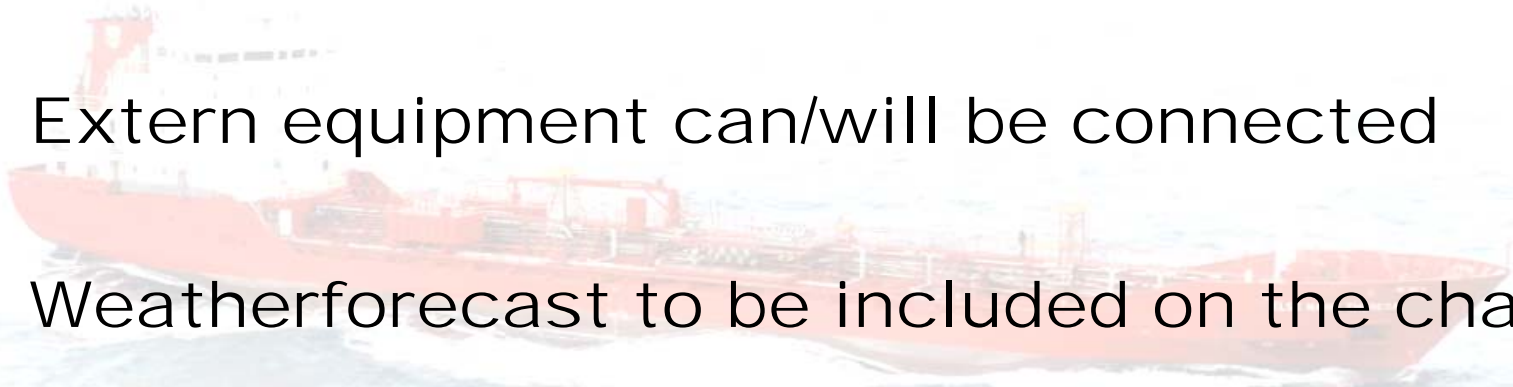
- Some national Administrations has implemented national rules.
- No clear or missing statement from the Oil Majors
- Some vetting inspectors is reluctant to the new system



# Future



- Digital publications can be incorporated in the software
- Extern equipment can/will be connected
- Weatherforecast to be included on the charts



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