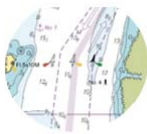


Data directly to ships

Collation and distribution of navigation information



Challenge 1



HO processing

Information distribution



Sailing without corrections?

Challenge 2



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Novaco



- Privately funded UK company (based at London Stansted Airport)
- Global presence (directly or via distributors)
- Focused entirely on e-distribution



- 1990 - Company established
- 2008 - first e-Courier service launched
- 2011 - appointed Primar distributors
- 2011 - first ENC service launched
- 2012 - appointed UKHO distributors

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Novaco e-distribution “at a glance”



Electronic Courier Service

- By **independent satellite broadcast** (1MB/min).
- By **email** for those with sufficient bandwidth



Core Services

- Admiralty Notices to Mariners & others
- ENC updates
- ADP updates
- NavArea Warnings
- Weather



Management Software (beyond NMs)

- Process Automation

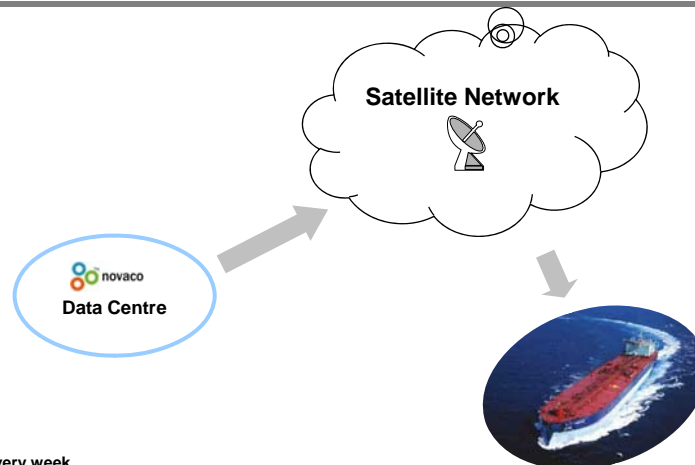


paper and digital

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Satellite Broadcast



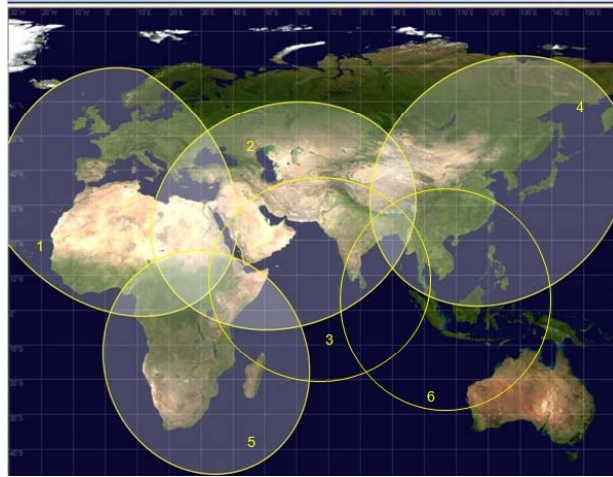
28 broadcasts every week

- Daily 10:00 and 22:00 UTC (paper products)
- Daily 08:00 and 20:00 UTC (digital products)
- Same weekly edition over 8 weeks

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Coverage

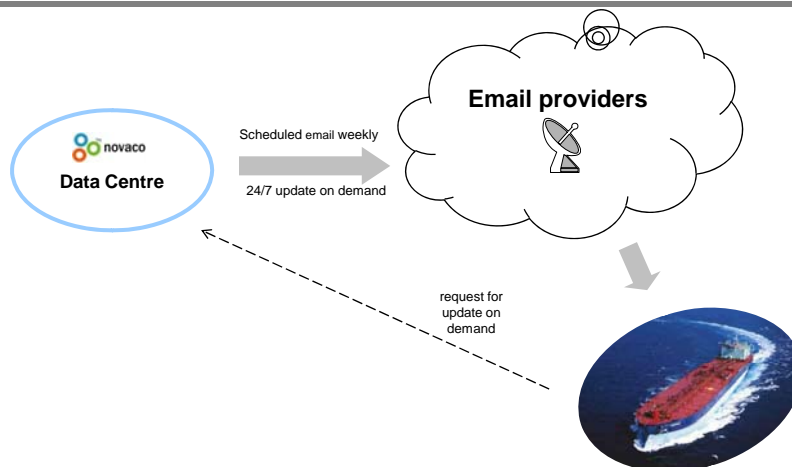


28 broadcasts over 8 weeks

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Email distribution



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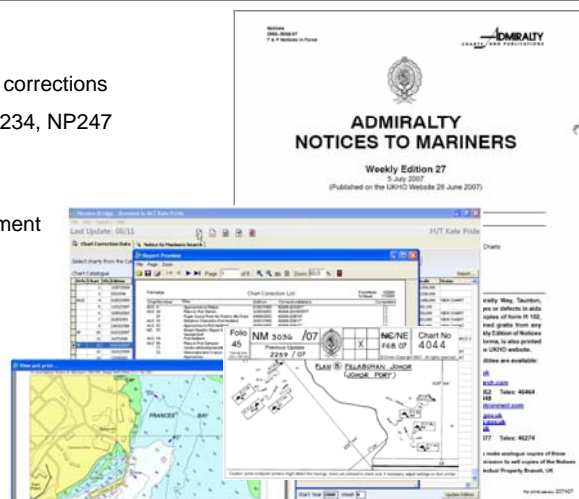
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Admiralty Notices to Mariners



Process simplification

- Automatic selection of corrections
- Eliminates NP133, NP234, NP247 T&P folder & lists
- Tracings
- New editions management



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Publication Updates



Light Lists

- All corrections in Light Number Sequence

Radio Signals

- In Page Number Sequence

Sailing Directions

- In Page Number Sequence



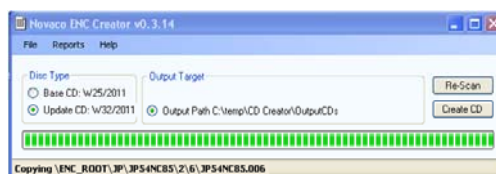
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ENC Updates



- Available for all S57 charts
- Primar
- IC-ENC
- AVCS



ADP Updates



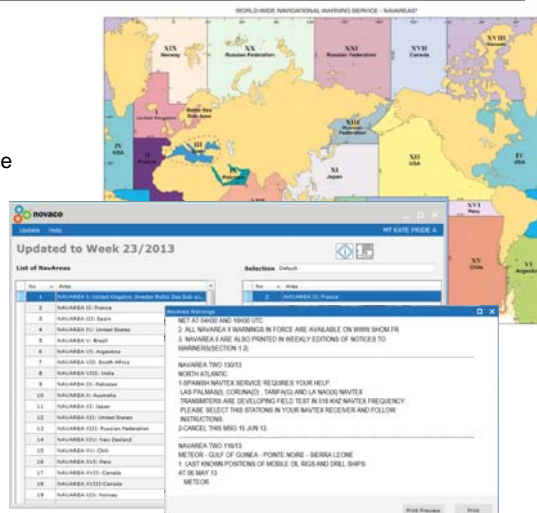
- Weekly updates for Lights
- Weekly updates for Radio Signals



NavArea Warnings



- Updated weekly
- Validated from World Wide Navigational Warnings Service Sub Committee (WWNWS) member sources



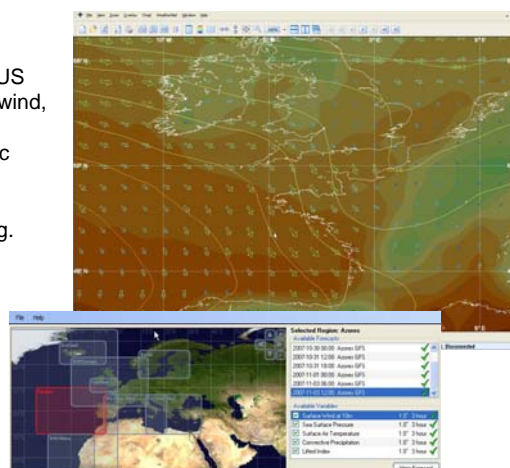
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Weather



- Regional weather data from US authorities including surface wind, sea surface pressure, air temperature, precipitation, etc
- Forecasting horizon 7 days
- Forecast resolution, 1 x 1 deg.
- Broadcast every 3 hours



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Live demonstration



it's **Simple** – it **Works** – it's **Growing**

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