











Desk based reviews

- The site characteristics were reviewed to provide an understanding of:
  - Terminal parameters
  - Channel dimensions
  - Manoeuvring area dimensions
  - Berth location and parameters
  - Environmental conditions
  - Available tug fleet

















## <section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item>





Developing the operating tool

- Operating tool for showing operating limit for given wind, wave, current directions, for given:
  - Tug provision
  - Ship manoeuvring assets
- Usability requirements:
  - Simple to use without high levels of IT skills
  - Easy to interpret for marine personnel
- Static tool chosen to fulfil usability requirements









