

If you are waiting on weather due to using DNV simplified method....

...you should be using time-domain analyses instead



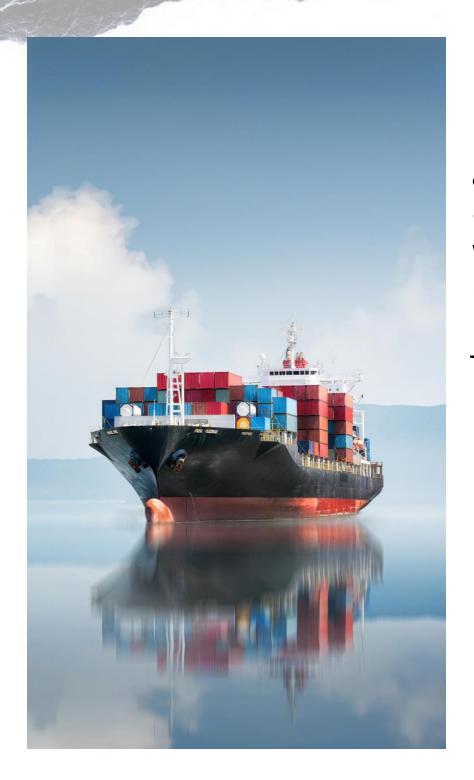
DNV simplified method is:

- A quick conservative check
- Mainly for small payloads
- The cause for unnecessary waiting on weather

Modelling and analysis of marine operations (DNV RP-N103)

4.1.3 Main assumptions

- 4.1.3.1 The simplified method is based upon the following main assumptions; The horizontal extent of the lifted object (in the wave propagation direction) is relatively small compared
- The load case is dominated by the vertical relative motion between object and water other modes of The vertical motion of the object follows the crane tip motion.
- 4.1.3.2 More accurate estimations are recommended if the main assumptions are not fulfilled, see, Sec.3.
- 4.1.3.3 Increased heave motion of the lifted object due to resonance effects is not covered by the Simplified Method, see [4.3.3.3].



Don't get us wrong...

..if you are operating in good weather regions and are happy with the weather limits from the simplified method then just keep on using it

But...

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...If you are working in exposed weather regions

And are running a risk of waiting on weather due to using the simplified method

Please reassess your lift with a time-domain analysis



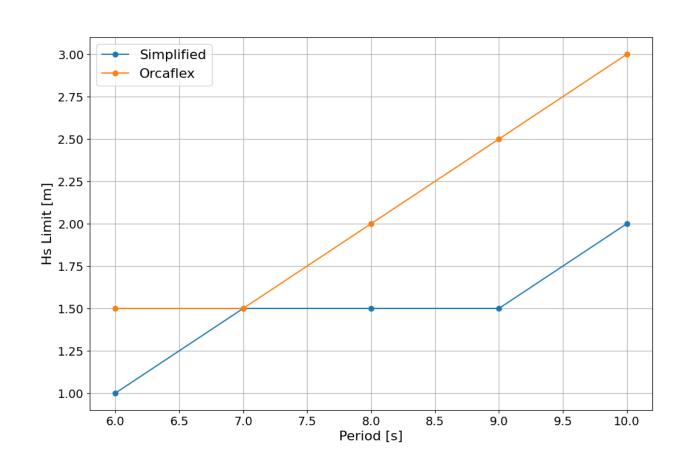


Use simplified method when:

- Weather limits are not an issue.
- Payload is relatively small.
- Vertical motion response only.

Use time-domain simulations when:

- Need better weather limits.
- Payload extent is large.
- Payload motion response is not only vertical.



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