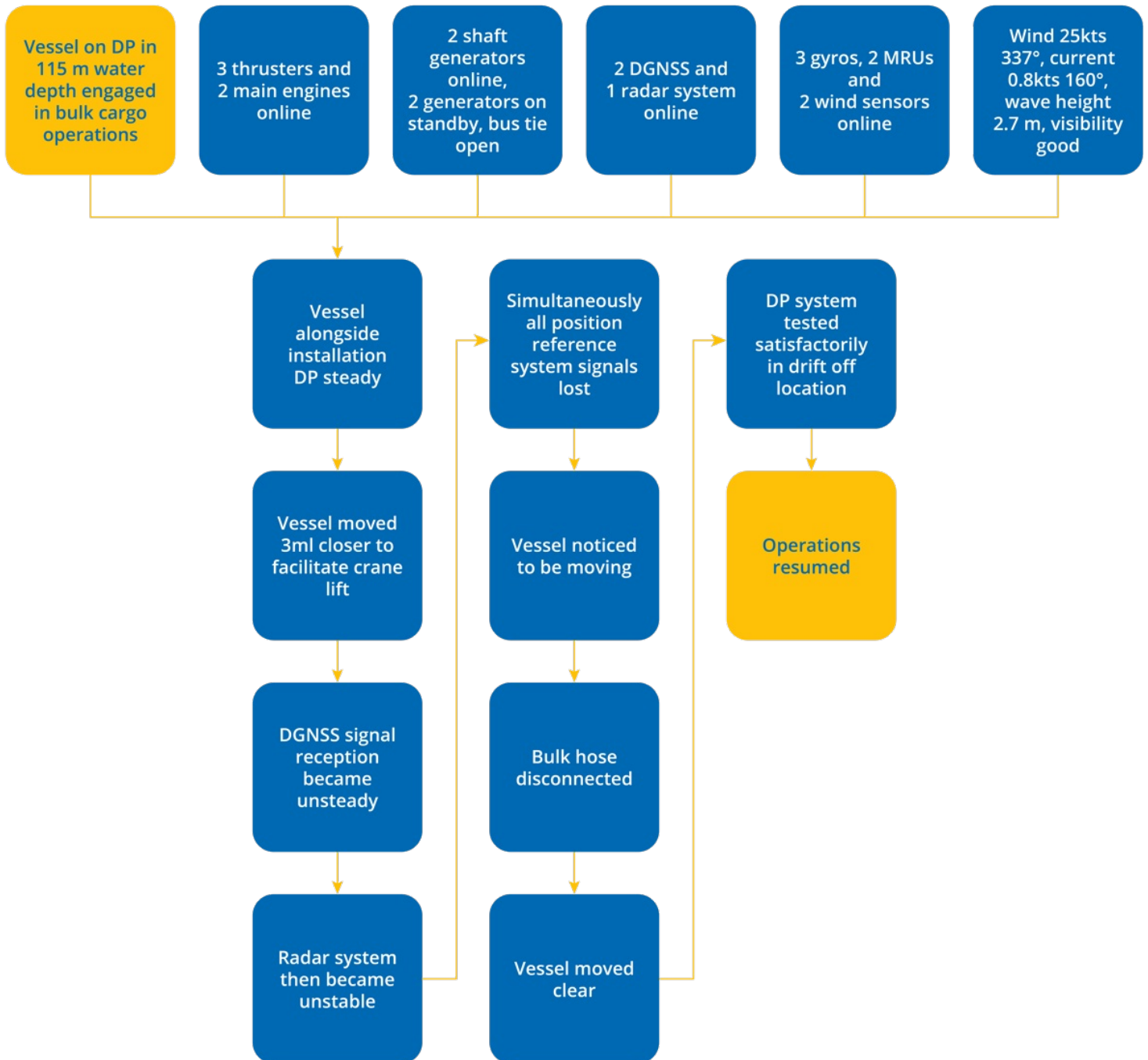


# Instability of position reference systems

DP Event • Published on 30 June 2016 • Generated on 28 January 2026 • DPE 02/16

Operators need to be aware of shielding and shadowing in similar situations.



## Considerations

- It is not clear from the report whether it was the differential correction signal or satellite constellation that was shielded,

however operators need to be aware of shielding and shadowing in similar situations.

- The GNSS constellation screen should be consulted and considered prior to moving closer to a possible obstruction.
- The reflector for the radar system might not have been sited for optimum performance; did the crane shield the radar from the reflector?

*The case studies and observations above have been compiled from information received by IMCA. All vessel, client, and operational data has been removed from the narrative to ensure anonymity. Case studies are not intended as guidance on the safe conduct of operations, but rather to assist vessel managers, DP operators, and technical crew.*

*IMCA makes every effort to ensure both the accuracy and reliability of the information, but it is not liable for any guidance and/or recommendation and/or statement herein contained.*

*Any queries should be directed to [DP team at IMCA](#). Share your DP incidents with [IMCA online](#). Sign-up to receive DP event bulletins [straight to your email](#).*