

Joint Maritime Information Center

JMIC Advisory Note – GNSS Interference

19 May 2025

JMIC# 006-25

Ref. UKMTO WARNING INCIDENT 009-25

Strait of Hormuz

UKMTO Advisory

On 18 May 2025, the [UKMTO](#) released an advisory on electronic interference in the Strait of Hormuz area. The report claims that the GNSS interference lasted several hours and affected the vessels navigation-related systems.

JMIC have received reports from vessels in the area experiencing interference affecting navigational systems drawing positional data from multiple GNSS (GPS, GALILEO, GLONASS) such as ECDIS, ARPA, AIS, and GMDSS station.



Current Situation

GNSS interference is being reported at higher than normal levels from both the Red Sea area and Strait of Hormuz. JMIC assesses there are no linkages between GNSS interference in these two areas and will continue to monitor the situation.



JMIC Recommendations:

Commercial shipping may be affected by GNSS interference, whatever its origin, it is more likely to occur in military operating areas, exercise areas and in self-defense; however, spoofing also remains a concern.

JMIC highly encourages all vessels transiting the Red Sea and Strait of Hormuz to continue vigilant watch standing to include recognizing GNSS interference. It is also recommended not to rely entirely on electronic navigation methods or autopilot when transiting through areas prone to GNSS interference and it would be prudent for mariners to consider using traditional non electronic means of position fixing to crosscheck the vessels position when in coastal or congested waters.

Vessels operating anywhere within the UKMTO Voluntary Reporting VRA) who experience disruptions to electronic navigation systems such as GNSS, AIS, or other Positioning, Navigation, and Timing (PNT) systems are strongly encouraged to note the location and time of the disruption and take photos or video if the ships electronics or navigation system (if impacted), and report to UKMTO as soon as practicable.

