

**Keeping a Safe Margin of Distance**

5. When navigating in the vicinity of production platforms and exploration rigs, an adequate safe margin of distance should be allowed. Where there is sufficient sea room, vessels should keep at least 5 nautical miles clear of these installations. Due allowance should always be given to prevailing weather conditions and the possibility of engine, steering or other mechanical failure. Mariners should be mindful of regular FPSO offtake operations involving ships of up to 75,000 Deadweight tonnage (DWT) at the Tui and Maari oil fields. The combined length of an FPSO and offtake tanker is some 850m.

**ANCHORING AND FISHING IN THE VICINITY OF THE PERMANENT INSTALLATIONS IS PROHIBITED** - For more information, see New Zealand Notice to Mariners 13 on page 247.

**Importance of Keeping Charts Up-to-Date**

6. The positions of the permanent oil and gas installations, submarine pipelines, together with the safety zones and prohibited anchoring and fishing areas, are shown on appropriate New Zealand charts. The positions of exploration rigs that change their location from time to time are promulgated in New Zealand coastal navigational warnings and *Fortnightly NZ Notices to Mariners (NTMs)*. Mariners should ensure that their charts and navigational warning information is up-to-date at all times.

Authorities : Maritime New Zealand; Land Information New Zealand

Certain warships cannot comply fully with the requirements of the Collision Regulations Order 1976, as to the number and positioning of lights, but these warships comply as closely as possible in accordance with Rule 1(c) and (e). Some vessels of 50 metres in length or over cannot be fitted with a second masthead light, or may have such lights placed in positions that differs from those normally associated with a ship of that size, owing to their special construction.

Authority: Royal New Zealand Navy

**Please also refer to:** "Chapter 2", *The Mariners Handbook (NP100)*, *Admiralty Charts and Publications*.

The Global Positioning System (GPS) is one of a number of Global Navigation Satellite Systems (GNSS) that are either fully operational or are in the process of being developed. This notice is specific to the use GPS. If another GNSS such as GLO-NASS is being used the user should seek advice as to the significance of the issues detailed below relative to that system.

**Status**

1. The Global Positioning System (GPS) constellation of 24 satellites is complete and available for civil use.
2. Mariners are advised to use GPS with the same caution they apply to other aids to navigation and to ensure that positions are checked by all available means.

**Derived Positions and Charts**

3. GPS is referenced to the World Geodetic System 1984 (WGS 84) datum. This datum relates positions on the Earth's surface, or in space, to a mathematically defined figure, in this case the WGS 84 spheroid (often referred to as an ellipsoid), which is used to approximate, or to model, the complex shape of the Earth. Its origin is the Earth's centre of mass and it provides positional reference throughout the world. WGS 84 is therefore referred to as a global, geocentric geodetic datum.

4. Local or regional geodetic datums such as the obsolete New Zealand Geodetic Datum 1949 use different, non-geocentric, spheroids which provide close approximation to the shape of the Earth over a selected area but become progressively less accurate beyond that region.

**It is essential**, wherever possible, that the datum to which positions are referred is compatible with the datum used for the chart on which the position is to be plotted.

5. Charts referred to the WGS 84 datum enable GPS-derived positions, referred to the WGS 84 datum, to be plotted directly.

6. Some Pacific Island charts are referred to a datum other than WGS 84 datum. The 'SATELLITE-DERIVED POSITIONS' note provides latitude and longitude shift values which enable GPS-derived positions to be adjusted before plotting on the chart.

Authorities : Land Information New Zealand