



The Neptune Declaration

Crew Change Indicator

Data collection and processing

The Neptune Declaration Crew Change Indicator serves to monitor the situation and changes in the crew change crisis to keep track of the extent to which seafarers continue to be affected by the crisis. The indicator will give two values and will be published once a month.

The data to calculate the Indicator will be provided by 10 ship managers: Anglo-Eastern Univan Group, Bernhardt-Schulte Ship Management, Columbia Ship Management, Fleet Management, OSM, Synergy Group, Thome, V. Group, Wallem, Wilhelmsen.

Each ship manager will provide us with three values:

- The total number of seafarers onboard their vessels
- The percentage of seafarers who are onboard beyond the expiry of their contracts
- The percentage of seafarers who have been onboard for over 11 months

The Data will be used for: (i) the calculation of the aggregate number of seafarers in the sample [called X]; (ii) the calculation of a weighted average of the percentage of seafarers from the sample onboard vessels beyond the expiry of their contract of employment [called Y]; and (iii) the calculation of a weighted average of the percentage of seafarers onboard vessels for over 11 months [called Z].

Calculations (ii) and (iii) give the values Y and Z that constitute the Indicator and:

$$Y = [\sum (y_j * x_j)] / X$$

$$Z = [\sum (z_j * x_j)] / X$$

Where **x** = number of seafarers of company j currently onboard their vessels

Where **y** = percentage of seafarers of company j onboard vessels beyond the expiry of their contract of employment

Where **z** = percentage of seafarers of company j onboard vessels for over 11 months

Each ship manager vouches for the accuracy of the information they provide and we at the Global Maritime Forum will look at the data provided. If the numbers seem significantly different from previous reports or significantly different from the average, we will ask the ship managers to check the data. If there are concerns about the validity of the data, we may decide to not include numbers from specific managers in the calculation for any given month. Information on the ship managers providing the data that is used to calculate the monthly Neptune Declaration Crew Change Indicator will be included in the monthly Neptune Declaration Crew Change Indicator report.

The Indicator will be published monthly. The data provided by the ship managers reflects the situation on the 15th day of each month and is reported to the GMF by the 22nd day of the month. The GMF will then publish the indicator on the first working day of each month.