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## **Seafarers demand forecast considering economic indicators**

Japan Maritime Center (JMC) carried out “seafarer demand forecast considering economic indicators”.

The seafarers demand strongly relates with cargo movement, economic conditions, etc. However, in the forecast conducted by BIMCO/ISF, these are not explicitly considered. We, thereupon, conduct the seafarers demand forecast considering indicators of economic forecast by the flow of “economic condition → cargo demand → number of necessary ships → seafarers demand”.

The contents of this study were reported at the Committee on Seafarers Problem, which JMC has been held in March 2013. For an overview of the results, please refer to the separate sheet. With regard to inquiries regarding distribution and content of the report, please contact the following address.

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# Seafarers Demand Forecast

April, 2013  
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We, thereupon, conduct the seafarers demand forecast considering indicators of economic forecast by the flow of “economic condition → cargo demand → number of necessary ships → seafarers demand”. Results are follows.

	Japan Maritime Center	BIMCO/ISF		The gap of supply and demand based on supply forecast by BIMCO/ISF	
	Demand	Demand	Supply	Japan Maritime Center	BIMCO/ISF
2015	<b>1,458,811</b>	1,523,440	1,454,199	<b>-4,612</b>	-69,241
2020	<b>1,569,148</b>	1,593,198	1,555,281	<b>-13,867</b>	-37,917

- Increase rate of seafarers demand : +1.8% (2011-2020)  
 ( Increase rate of seafarers supply by BIMCO/ISF: +1.3%  
 (2010~2020) )
- Forecasting the shortage of 4,612 seafarers in 2015, the shortage of 13,867 seafarers in 2020
- For more proper and useful forecasting of the gap of supply and demand, other conditions (e.g. ship types, market condition, etc.) are deemed necessary to consider.

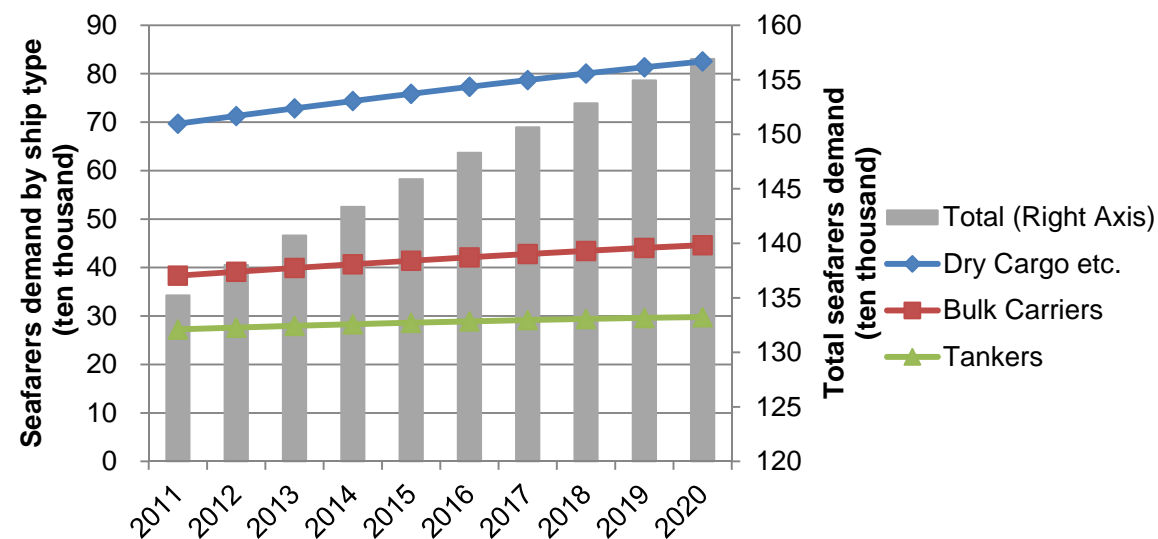


Figure: Change in seafarers demand forecast by ship type