

Assessment of Typhoon Shelter Space Requirements 2009-2025

Executive Summary

Demand

- The demand of sheltered space for local vessels⁽¹⁾ is forecasted to increase from 338.1 hectares in 2008 to 366.0 hectares in 2025, at an average growth rate of about 0.5% (compound rate basis) or 2 hectares (simple average basis) per year.

Supply

- The total supply of sheltered space including the areas of 14 purpose-built Typhoon Shelters and five Sheltered Anchorages in 2008 is 403.5 hectares. Due to the impacts of some development projects, the supply in 2010 and 2015 would reduce to 402.8 and 394.7 hectares respectively. The supply of sheltered space would slightly rebound to 401.9 hectares between 2020 and 2025 after completion of the projects.

Matching of Demand and Supply

- The matching of demand and supply indicates that the existing supply of sheltered space could adequately meet the forecasted demand throughout the period from 2009 to 2025. The results are shown in the table below:

Matching of Demand and Supply of Sheltered Space

	2008 (Actual)	2010	2015	2020	2025
		(Forecasts)			
Demand (Hectares)	338.1	330.4	343.6	352.6	366.0
Supply (Hectares)	403.5	402.8	394.7	401.9	401.9
Variance (Hectares)	+65.4	+72.4	+51.1	+49.3	+35.9
Variance as % of supply	+16.2%	+18.0%	+12.9%	+12.3%	+8.9%

Note: Figures refer to year-end positions.

(1) It includes vessels licensed in Hong Kong, and river trade vessels and coastal vessels registered in the Mainland.

Conclusions

4. Together with the 21.1 hectares of sheltered anchorages, the 382.4 hectares of space in the existing typhoon shelters can adequately meet the existing demand of sheltered space for local vessels.
5. It is forecasted that the growth in local vessels' demand for sheltered space would be about 2 hectares per year on average within the period of the forecasting horizon to year 2025. The existing amount of sheltered space could meet the demand throughout the period from 2009 to 2025.
6. The local vessel traders' demand for allowing vessels with length overall exceeding 50 metres to use typhoon shelters could be met by amending the permitted length of the Hei Ling Chau Typhoon Shelter to 75 metres.

Way Forward

7. Marine Department will maintain the hitherto adopted practice of periodically carrying out assessment of sheltered space for local vessels.