



MARITIME AND PORT AUTHORITY OF SINGAPORE

PORT MARINE CIRCULAR
NO. 13 OF 2023

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Shipping Community
Harbour Craft Community
Pleasure Craft Community

ENHANCED MEASURES TO REDUCE HEAT STRESS RISKS FOR OUTDOOR WORKERS

1. This circular highlights the enhanced measures to reduce heat stress risks for outdoor workers in the maritime sector in accordance with the [Ministry of Manpower's \(MOM\) directive](#) published on 24 October 2023.
2. Rising temperatures in Singapore will place workers, especially outdoor workers, at an increased risk of heat stress. The Ministry of Manpower (MOM), in consultation with the Ministry of Health (MOH)'s Heat Stress Expert Panel, has introduced a combination of measures focusing on the four aspects of **acclimatize**, **drink**, **rest** and **shade** to protect outdoor workers across various industries.
3. Employers are also required to monitor the Wet Bulb Globe Temperature (WBGT) for every hour of outdoor work performed, especially during the hotter periods of the day. Workplaces can use National Environment Agency (NEA)'s myENV app to monitor WBGT readings. Construction sites with a contract sum of S\$5 million or more, shipyards and the process industry, will be required to have a WBGT meter on-site for localised measurements as these workplaces are likely to have prolonged outdoor activities.
4. Employers will be required to implement these measures to reduce heat stress risks for outdoor workers and MOM will conduct inspections at workplaces to ensure that these measures are adequately implemented. More information on the enhanced measures can be found at go.gov.sg/heatstress-outdoorwork. Please email Ms Chen Miaosi at chen_miaosi@mpa.gov.sg if you have additional queries on this circular.

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