



**MARITIME AND PORT AUTHORITY OF SINGAPORE
SHIPPING CIRCULAR
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Applicable to: Ship owners, ship managers and operators of Singapore-registered ships

SAFETY MEASURES ON THE USE OF AC ELECTRIC ARC WELDING EQUIPMENT TO PREVENT ELECTRIC SHOCK INCIDENTS

1. This circular serves to draw the attention of ship owners, managers and operators of Singapore registered ships to the safety investigation report recently published by the Transport Safety Investigation Bureau (TSIB) pertaining to fatality on board a Singapore registered container vessel due to electrocution. The full report can be accessed via this link;

<https://www.mot.gov.sg/About-MOT/Sea-Transport/MSIB/Investigation-Report/>

2. As an extract from the report, one of the findings from the investigation revealed that the AC electric arc welding equipment on board the vessel was not fitted with a voltage limiting device (VLD) or low voltage shock preventer (LVSP).

3. The VLD or LVSP reduces the voltage at the output terminals of the welding equipment to a safe voltage to protect the operator against electric shock. Ship owners, managers and operators of Singapore registered ships are recommended to fit the VLD or LVSP on the shipboard AC electric arc welding equipment and the recommendation on the use of the VLD or LVSP is to be included in the company's safety management system (SMS).

4. Any queries to this circular should be directed to Mr Goh Chung Hun at (+65) 6375 6206.

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