



AUSTRALIA

Certificate Number EQ15-04

Australian Government
Australian Maritime Safety Authority

Marine Order 21
(Safety of navigation and emergency procedures) 2012
CERTIFICATE OF EQUIVALENCE

Issued under the provisions of
Marine Orders Part 21
(Safety of navigation and emergency procedures) 2012, Section 10.4
Under the authority of the Government of Australia by the
Australian Maritime Safety Authority

Pursuant to s.10.4 of Marine Orders, Part 21 (Safety of Navigation and emergency procedures) 2012, I, the undersigned Alex Schultz-Altmann, in lieu of complying with the requirements specified in Section 19.1 – Carriage requirements for shipborne navigational systems and equipment in respect of:

1.0 *SOLAS Convention 1974 as amended, Chapter V, Regulation 19.2.1.1 requiring all ships irrespective of size shall have a properly adjusted standard magnetic compass, or other means, independent of any power supply to determine the ship's heading and display the reading at the main steering position, and*

2.0 *SOLAS Convention 1974 as amended, Chapter V, Regulation 19.2.2.1 requiring all ships of 150 gross tonnage and upwards and passenger ships irrespective of size shall, in addition to the requirements of paragraph 2.1, be fitted with a spare magnetic compass interchangeable with the magnetic compass, as referred to in paragraph 2.1.1, or other means to perform the function referred to in paragraph 2.1.1 by means of replacement or duplicate equipment;*

Accept the use of the following equivalent arrangements on vessels engaged on voyages to which the *Navigation Act 2012* applies;

- a) Be fitted with two gyro compasses to determine the ship's heading and display their reading at the main steering position,
- b) Both gyro compasses shall be type approved in accordance with relevant international standards,
- c) Both gyro compasses shall be independently connected to the main and emergency source of power, and
- d) Each gyro compass shall also be connected to an individual UPS (Uninterrupted Power Supply) with minimum 30 minutes capacity.
- e) One of the gyro compasses referred to in (a) may be used to cover the requirement of SOLAS Chapter V, Regulation 19.2.5.1.

This certificate replaces Certificate of Equivalence EQ12-107 issued 15th May 2012 which is now revoked.

This certificate is only applicable to Australian flagged ships to which Marine Order 21 (Safety of navigation and emergency procedures) 2012 applies until the **1st of January 2018**, the next amendment or re-issue of Marine Orders Part 21, or if amended or revoked by the Australian Maritime Safety Authority whichever is sooner.

Issued at **CANBERRA**, the **20th August 2015**.



A handwritten signature in blue ink, appearing to read "Alex Schulltz-Altman".

(Signature of authorised official issuing the certificate)

Alex Schulltz-Altman

**Manager, Ship Inspection and Registration
Ship Safety.**