

# One Marine

## Remote Magnetic Calibration

Easy remote compass adjustment at sea

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### MASTER sends to OUR ADJUSTER

1. The picture of the Magnetic Compass, the Serial Number, the Type of Compass & Maker, the Binnacle
2. The Type and position of the Compensators, permanent and soft iron correctors
3. The existing Deviations from the Compass Error Log, on 4 Cardinal + 4 Intercardinal Headings, over the previous 6 months voyages (excel file)
4. Gyro Error if any
5. Geographical Position and the Magnetic Variations at locations
6. Copy of the existing Deviation Card
7. Weather Condition and Vessel's Condition such as Cargo/Ballast.



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### OUR ADJUSTER

makes the calculations and guides the Master how to perform the adjustment by onboard navigation.

3

### MASTER/OFFICER COOPERATE

- a) following the instructions in the process of remote magnetic compass adjustment
- b) Subsequently the new corrected, residual Deviations recorded on the 8 Cardinal + Intercardinal headings
- c) Communicate the result to our Adjuster



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### OUR ADJUSTER

- a) will produce and issue the new Deviation Card as a Pdf document - If the result is acceptable (less than 3°)
- b) The original document is forwarded to the Company via DHL, while a soft copy directly to the vessel.
- c) All received data from the vessel are filled and kept in case of any questions whatsoever



Vessels Owner, Operators, Master Offices, Coastal Pilots and Industry Organizations are recognising the importance of the non-digital conventional equipment like Magnetic Compasses and the need to maintain deviation within acceptable limits in accordance with SOLAS V/19.2.1 and IMO Res.A.382 (X) requirements.

**One Marine Services** is offering the service of such professional. Our Team consist of expertise who were additionally trained and are qualified Compass Adjuster Certified.

### Effective & Remote

The unique feature of our service that we can conduct adjustment of the deviation of vessel's Magnetic Compass remotely, providing clear instructions and guiding Officers on board via by e-mail/phone call.

Our remote adjustment will considerably reduce the cost, do not require delay the vessel, expensive boat services for embarking and disembarking Adjustor or restrictions in coastal sailing for Compass swing. It can be done while vessel is underway towards her next port of call.

### Pre-operational Steps

It will require the following basic data:

- Copy of ship particulars
- Copy of the last certificate with residual deviation table
- Magnetic Compass maker and type
- Magnetic Compass bowl condition: is any bubble in the compass bowl? Is the Compass card moving smoothly? Any deterioration of the Compass card?
- Current ship position and next port of call with ETA

### Further Preparation & Check-up

Next we would require ship's Navigating Officer to advice what is magnetic compass correcting tools condition and obtain deviation data after receiving of first information.

- Correcting tools condition
- Deviation data Reporting sample is following: Magnetic compass heading dial/Gyro compass heading dial/Ship position

### Adjusting Procedure

After receiving of deviation data, we will analyse each coefficient based on those figures, and recommend setting correcting tool accordingly. We request to take again deviation data after adjustments to verify results and produce a certificate.

We repeatedly to do the same until all the adjustments have been done properly (in accordance with SOLAS requirements).

### AVAILABLE FOR THE FOLLOWING FLAGS & CLASSES

Flag		Class
Marshall Island	Cyprus	NKK   KR
Liberia	Panama	BV
Singapore	Greece	DNV   GL
Bahamas	Spain	LRS
Malaysia	St. Kitts & Nevis	ABS
Italy	South Africa	RINA
India	Portugal	IRS

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