User Guide of Barometer Comparison Self-check Service

for Vessels in Hong Kong

1. Access the following webpage for Barometer Comparison Self-check

https://eforms.weather.gov.hk/eforms v2/barometercal.fm

Step 1: Input ship information. Please make sure your vessel is berthing at Hong Kong port.

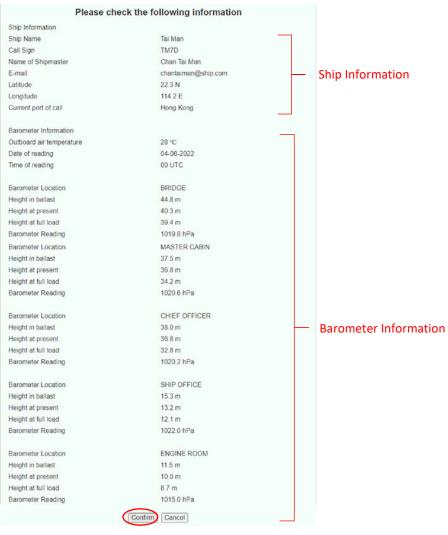
Step 2: Input outboard air temperature, air pressure reading and height information of the barometer onboard vessel. Please make sure the input height of barometer at present is between the heights in ballast and at full load (i.e. In ballast \geq At present \geq At full load)

Step 3: Input validation code (refresh if necessary)

Step 4: Press "Submit" button

Barom	eter Compari	ison S	elf-check Servi	ce fo	r vessels ir	n Hong	Kong		
All fields are mandatory. If you h or email (Email Address: hkopm		ease con	tact the Port Meteorolo	igical O	fficer by phone d	luring office	hours (Phone No.	: 2926 3113)	
Ship Information Ste	ep 1								
Ship Name	Tai Man	Call Sign				ТМ7D			
Name of Shipmaster Current port of call	Chan Tai Man Hong Kong		E-mail				n@ship.com	osition	
Latitude	22.3 N (in Decimal Degrees) (e.g. 22.2° to 22.5°) must be within								
Longitude	114.2 * E (in Decimal Degrees) (e.g 113.9° to 114.5°)								
Barometer Information St Outboard air temperature Date and time of reading	28 🔶	Control of the second secon				Pressure reading direct readout from the barometer onboard vessel			
		Barometer Height above mean sea level			level	Barometer Readin			
Barometer Location	In hallast		-		At full lo	arl	Barometer Re	ading*	
Barometer Location BRIDGE	In ballast	m	At present	m	At full lo 39.4	ad m	1019.8	ading*	
			At present	m m					
BRIDGE	44.8	m	At present 40.3 36.8		39.4	m	1019.8	hPa	
BRIDGE MASTER CABIN	44.8 37.5	m	At present 40.3 36.8 36.8	m	39.4 34.2	m m	1019.8 1020.6	hPa hPa	
BRIDGE MASTER CABIN CHIEF OFFICER	44.8 37.5 38.0	m m	At present 40.3 36.8 36.8 13.2	m m	39.4 34.2 32.8	m	1019.8 1020.6 1020.2	hPa hPa hPa	
BRIDGE MASTER CABIN CHIEF OFFICER SHIP OFFICE	44.8 37.5 38.0 15.3	m m m	At present 40.3 36.8 36.8 13.2	m m m	39.4 34.2 32.8 12.1	m m m	1019.8 1020.6 1020.2 1022.0	hPa hPa hPa hPa	
BRIDGE MASTER CABIN CHIEF OFFICE SHIP OFFICE ENGINE ROOM	44.8 37.5 38.0 15.3	m m m	At present 40.3 36.8 36.8 13.2	m m m	39.4 34.2 32.8 12.1 8.7 dation	m m m m	1019.8 1020.6 1020.2 1022.0	hPa hPa hPa hPa hPa	

2. Preview the input information and press "Confirm" button to proceed



Press "Confirm" button to process

3. Check calibration results

Location of Barometer	Date/Time (UTC)	Reference MSLP at HKO (hPa) (a)	Barometer Reading* (hPa) (b)	Outboard Temperature (°C)	Height/Temperature Correction (hPa) (c)			Index Correction	Total correction to obtain MSLP(hPa) (e)		
					In ballast	At present	At full load	(hPa) (d)	In ballast	At present	At full load
BRIDGE	Aug 04, 00 UTC	1004.1	1019.8	28	+5.1	+4.6	+4.5	-20.3	-15.2	-15.7	-15.8
MASTER CABIN	Aug 04, 00 UTC	1004.1	1020.6	28	+4.3	+4.2	+3.9	-20.7	-16.4	-16.5	-16.8
CHIEF	Aug 04, 00 UTC	1004.1	1020.2	28	+4.3	+4.2	+3.7	-20.3	-16.0	-16.1	-16.6
SHIP	Aug 04, 00 UTC	1004.1	1022	28	+1.7	+1.5	+1.4	-19.4	-17.7	-17.9	-18.0
ENGINE ROOM	Aug 04, 00 UTC	1004.1	1015	28	+1.3	+1.1	+1.0	-12.0	-10.7	-10.9	-11.0
545				nstrumental er				1		1	·,

4. Calibrate the barometer onboad ship

Based on the calibration results obtained in step (3), apply the index correction to correct for instrumental error of the barometer and obtain pressure reading onboard the ship **OR** add the total correction to the pressure reading direct readout from the onboard barometer to obtain mean sea level pressure.