

## **METHANOL BUNKER CHECKLIST**

PORT OF GOTHENBURG • SHIP TO SHIP

Original: Ship • Copy 1: Bunker vessel • Copy 2: Terminal

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Ship's name	Bunker vessel name
Berth	Port
Date of arrival	Time of arrival
Terminal	

### The presence of the letters 'A' , 'R' or 'P' in the column entitled 'Code' indicates the following:

### A ('Agreement')

This indicates an agreement or procedure that should be identified in the 'Remarks' column of the Checklist or communicated in some other mutually acceptable form.

#### R ('Re-check')

This indicates items to be re-checked at appropriate intervals, as agreed between both parties, at periods stated in the declaration.

#### P ('Permission')

This indicates that permission is to be granted by Port control of Port of Gothenburg

### PART A1: CHECKS PRE-ARRIVAL BUNKER OPERATIONS

Check	Ship	Bunker vessel	Terminal	Code	Remarks
A1-1. The terminal has granted current methanol bunker operation for the specific location.				Р	Location:
A1-2.Port Authority's regulations are being observed.					Methanol bunker operation regulations.
A1-3. The checklist of the terminal has been filled in correctly.					If applicable.
A1-4. Suitable weather forecast to perform bunker operation.					
A1-5.The ship's class approved bunker plan and operations manual are available.					Procedures for line clearance agreed betwen ship and bunker vessel before disconnection of bunker hose.
A1-6. All certified methanol bunker hoses are in good condition and are appropriate for the service intended.				A	
A1-7.Personnel involved comply with the work and rest hour requirements of ILO180, STCW or national regulations.					As appropriate.
A1-8.The terminal has been notified one hour prior the start of methanol bunker operations.					Time notified:hours
A1-9.All stakeholders in the terminal have been informed about the bunker operations. Information signs posted on quay side.					Technical department / Operational Department Information signs:



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Ship's name Date

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## PART A2: CHECKS PRE-ARRIVAL BUNKER OPERATIONS

Check	Ship	Bunker vessel	Terminal	Code	Remarks
A2-1. All personnel are aware of operations (ISGOTT ref. 24.1)					
A2-2. Bunker plan is exchanged (ISGOTT ref. 24.1.1)					No other activity is allowed within the safety zone of 25 m.
A2-3. Mooring and fendering arrangement is agreed.					No metal to metal contact during mooring.
A2-4. Bunker operation to be reported in the Port of Gothenburg bunker application.					Compulsory for all bunker operations inside Port of Gothenburg harbour area.

## PART B: PLANNED SIMULTANEOUS ACTIVITIES

Check	Ship	Bunker vessel	Terminal	Code	Remarks
B1-1. The planned simultaneous activities are approved by the ships methanol bunker manual.					
B1-2. Terminal representative has granted simultaneous cargo and bunker operations during the methanol bunkering.				Р	No other activity is allowed within the safety zone of 25 m.
B1-3. Safety procedures and mitigation measures as mentioned in the ship's methanol bunker manual for simultaneous cargo or bunker operations are agreed and being observed by all parties involved.				А	No simultaneous operations are allowed within the hazardous area of the methanol-bunkering station.

# Bunker operation plan

	Oil bunker	Methanol	
Product			
Volume to be transferred			m³
Starting rate			m³ per hour
Max transfer rate			m³ per hour
Topping of rate			m³ per hour
Max pressure at manifold			bar