

# Harbour Master Instruction 001-2023

## Port Botany – Boom Out Crane Requirements

### Summary

This document outlines requirements regarding Quay Crane boom position. For Hays Dock, 'boom up' means boom is fully retracted.

### Requirements

1. The positioning of the Quay Crane boom is to be carried out in the following order of priority:
  - 1.1. Quay Crane when not working cargo anywhere on the berth should be boomed up
  - 1.2. Quay Crane not working over the vessel in adjacent berths must be boomed up and unmanned during berthing/unberthing operations.
2. Quay Crane at the allocated berth where a vessel is to be berthed/unberthed must be boomed up.
3. Master/Pilot could request that selective cranes be boomed up due to inclement weather conditions, strong winds, vessels with poor manoeuvring qualities or cranes that detrimentally affect the angle of approach/departure of the vessel.
4. Terminal Duty Manager to notify Sydney VTS 24h in advance of any Quay Crane which cannot be boomed up or under repair with the boom down. The dynamic risk assessment would be initiated. Items that should be considered in the risk assessment include but are not limited to:
  - 4.1. The boomed down Quay Crane should be no less than 100 meters from the bow or stern mark of the berthing/unberthing vessel. If this cannot be achieved, special approval is required from the Duty Harbour Master
  - 4.2. Duty Pilot to be notified
  - 4.3. The crane should be unmanned during the berthing/unberthing manoeuvre
  - 4.4. The prevailing weather conditions
  - 4.5. The manoeuvring characteristics of the vessel berthing/unberthing
  - 4.6. Consideration for daylight restrictions and additional towage
  - 4.7. Terminal accepts and acknowledge all additional risks associated with the berthing/unberthing operation by the presence of boomed down cranes.
5. Any Quay Crane that is boomed down forms a navigational obstruction and shall be adequately lit in hours of darkness.
6. During berthing operations, Quay Crane boom should not be lowered until vessels are properly secured to the berth and all lines are fast. Additionally, the cranes must be stationary until the vessel is either all fast or well clear of the berth (passed the berth box).