

Important Information for Masters and Ship's Agents

Port Authority of New South Wales has commissioned technology to specifically enhance information about deep draught vessels and prediction of Dynamic Under Keel Clearance (DUKC).

What is SAUCS?

The Swell and Under Keel Clearance System (SAUCS) technology consists of 2 elements; wave information buoys and a computer system to fully model a vessels motion during the transit.

What vessels are modelled?

1. All vessels 220m LOA or greater transiting the port when loaded; and
2. All inbound Tankers with draught of 11.0m or greater.

What information is required from Ship's Masters?

The attached "SAUCS Modelling – Vessel Particulars Request" form details the requirements.

What accuracy is required?

The predicted draughts & stability data as generated from ships loading computer is sufficient.

What is the procedure for reporting?

Masters (or agents) are requested to email **fully completed** forms to VTIC at approximately 12 hours prior to the vessels movement.

Note: Where a ships actual draught varies (deeper or lighter) by more than 10cm than previously advised, a new SAUCS form is required as soon as possible.

email: nc_vtic@portauthoritynsw.com.au

What happens if my vessel doesn't provide this information?

The SAUCS system will provide quality information about the dynamic under-keel clearance of your vessel and is dependent upon your co-operation. Without correct information on the SAUCS Modelling – Vessel Particulars Request your vessel could be delayed.

At the MPX the pilot will brief you with the latest conditions likely to affect your movement.

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SAUCS MODELLING - VESSEL PARTICULARS REQUEST

What vessels are required to provide the particulars below?

1. All **loaded** vessels of **220m LOA or greater** transiting in or out of the port; and
2. All **inbound Tankers** with draught of **11.0m or greater**.

Masters/Agents are requested to email this form to nc_vtic@portauthoritynsw.com.au approximately **12 hours** before the vessel's scheduled movement time. All information requested below **MUST** be provided.

Note: Where a ships actual draught varies (deeper or lighter) by more than 10cm than previously advised, a new SAUCS form is required as soon as possible

Vessel Name	
IMO Number	
MMSI	
LOA	Metres
LBP	Metres
Beam	Metres
Summer Draught	Metres
Gross Tonnage	Tonnes
DWT	Tonnes

VESSEL MOVEMENT CONDITION REPORT

Draught Metres	F	M	A
Displacement	(t)		
GMf	(m)	GMs	(m)
KG	(m)		
KM	(m)		

Note: GM solid must be greater than GM fluid.

Signed.....Master

Date...../...../.....

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