Name of organization	Year of information updating 2017	
Year established 1932	Year of joining the ITTC 1932	
Address Haagsteeg 2 6708 PM Wageningen The Netherlands	Status in the ITTC Advisory Council member	
Contact details (phone, fax, e-mail) +31 317 493 911 info@marin.nl	Website www.marin.nl	
Type of facility Towing tank	Year constructed/upgraded 1965 / 2015	
Name of facility Concept basin	Location (if different from the above address)	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Length 220 m Width 4 m Water depth 3.6 m Drawings of facility		
12 3 4	waves 5 6	
 Working pond Beach Main carriage 	4 Test section5 Wind platform6 Multi segment wave generator	
Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)		
Description of carriage	Manned, motor driven, four drive wheels, four pairs of horizontal guide wheels	
Type of drive system and total power	Servo controlled, 4 * 65 kW	
Maximum carriage speed	10 m/s	
Other capabilities	VIV oscillator	
Wave generator capability	Regular waves 1.1 m at a peak period of 2.3 s Irregular wave 0.55 m at a peak period of 2.3 s Wave direction 0 – 180 deg. Fitted with anti reflecting compensation (ARC)	
Wave maker type:	Flap type wave generator, 8 flaps of 0.5 m, hinge depth 1.8 m	
Beach type and length	Circular beach, length 12 m,	
Other capabilities	Wind generation by portable wind fans or wind tunnel	

Instrumentation	Dynamometers:	
mation	- thrust and torque in propeller hub,	
	- 6 component balances	
	- Towing force	
	Photo, video, underwater video, all video synchronized with data	
	acquisition	
	Wave height transducers	
	- Resistance type	
	- Acoustic (high speed)	
	- Acoustic (flight speed)	
Model size range	1 - 4 m	
Model tracking techniques	NDI camera (optical tracking)	
Model tracking techniques	Air lubricated bearing	
	All lubricated bearing	
Test performed		
Still water performance	Resistance and propulsion test in calm water	
-	Testing of hydrofoils	
Sea keeping	Sea-keeping tests with measurements of motions, wave loads and	
	added resistance of self propelled ships.	
Offshore	Test on moored and fixed object to determine motions, mooring	
	forces and loads due to waves.	
	Current load test	
	Installation and sea transport of offshore structures	
	Wave energy devices	
	Vortex Induced Vibration test (VIV)	
	Drop tests for life boats	
	-p	
Other remarks	-	
Published description (Publications on this facility)		
http://www.marin.nl/web/Facilities-Tools/Basins/Concept-Basin-1.htm		