Name of organization The University of Tokyo	**Year of information updating** 2016
Year established 1937	**Year of joining the ITTC**
Address 7-3-1 Hongo, Bunkyo-ku, Tokyo, Japan	**Status in the ITTC** AC Member
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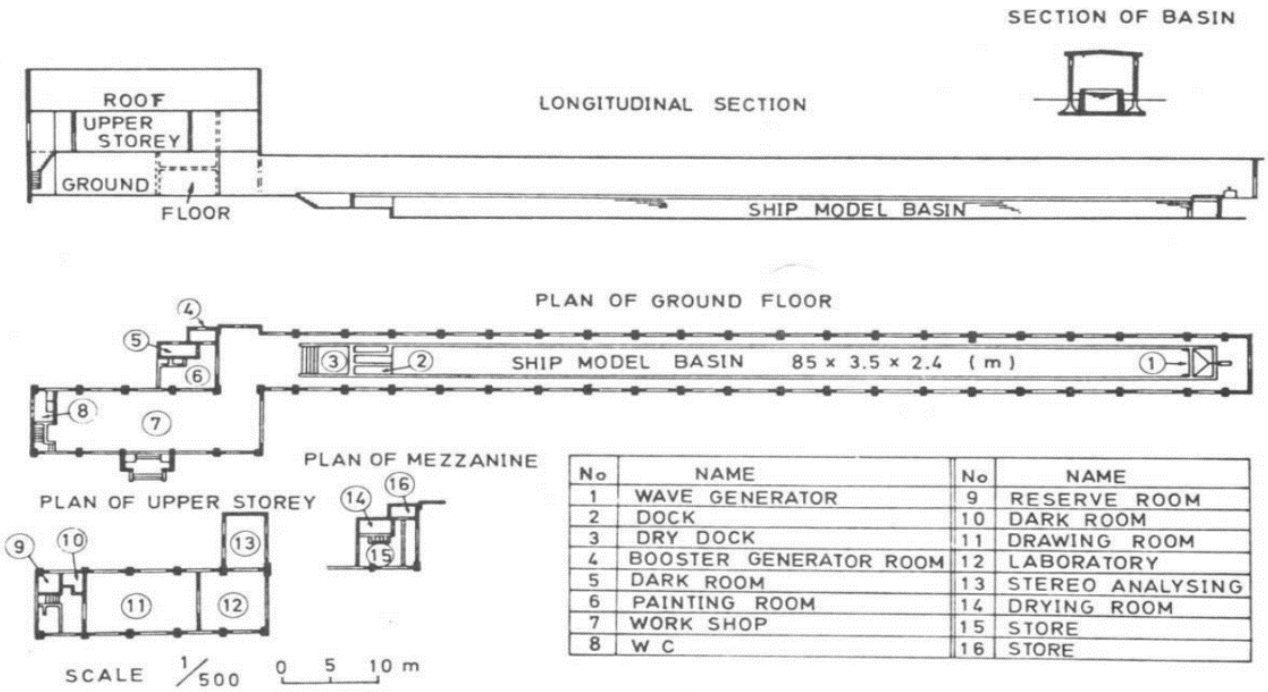
Type of facility Towing tank	**Year constructed / upgraded** 1937
Name of facility Towing tank	**Location** (if different from the above address)

Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top)
85×3.5×2.4[m]

Drawings of facility



No	NAME	No	NAME
1	WAVE GENERATOR	9	RESERVE ROOM
2	DOCK	10	DARK ROOM
3	DRY DOCK	11	DRAWING ROOM
4	BOOSTER GENERATOR ROOM	12	LABORATORY
5	DARK ROOM	13	STEREO ANALYSING
6	PAINTING ROOM	14	DRYING ROOM
7	WORK SHOP	15	STORE
8	W C	16	STORE

Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)

Carriage:
Description: truss type, motor driven
Type of drive system and total power: motor generator and booster generator with digital speed control, 12kW
Maximum carriage speed: 4.0m/s

Wave:
Generation capability: regular, length 0.5-15m, height 1-25cm
Generator type and extend: oscillatory flap, 15kW, 3.5m wide
Beach type and extent: tank end; perforated panels on parabolic arc, 3.5m
tank side; movable panels
Wave measurement: on carriage; lower point type wave probe
at tank side; capacitance type wave probe

Instrumentations:
Two high-speed A-D converters and a data recorder on the side of the tank for measurement of longitudinal wave profile and other information

Model size range:
Urethane and wax model 2.0 to 3.0m long

Applications (Tests performed)
(1) Resistance and self-propulsion tests in calm water and waves
(2) Open water propeller tests
(3) Measurements of wave profile and wave contour
(4) Wave pattern picture
(5) 1-D and 3-D wake and far wake surveys
(6) 3-D disturbance velocity measurements around ships and offshore structure
(7) Measurements of static pressure on ships, wings and offshore structure
(8) Flow visualization with strobe scope and under water camera

Published description (Publications on this facility)
Journal of the Society of Naval Architects of Japan, Vol. 123 (1968)