Name of organization Technical Research Center, Japan Marine United Corporation		Year of information updating 2016
Year established 2013		Year of joining the ITTC 2013
Address 1-3, Kumozukokan-cho, Tsu-city, Mie-pref. 514-0398 Japan		Status in the ITTC AC member
Contact details (phone, fax, e-mail) phone +81-59-238-6400 (administration group) fax +81-59-238-6442		Website http://www.jmuc.co.jp/
Type of facilityYear constructedIce tank1982		/upgraded
Name of facility JMU Ice Model 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)   Tank dimensions: Main tank ; Length 20.0m, Width 6.0m, Depth 1.8m (test section)   Trimming tank; Length 7.0m, Width 4.0m, Depth 1.8m   Melting tank ; Length   2.8m, Width 5.6m, Depth 2.5m		
Drawings of facility		
Cross-section-view plan Winch Service arriage Vinch Service Insulated door 2 Insulated door 2		
Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)   Cooling system : Capacity; Main tank room 99,000kcal/hour, Trimming tank room 20,000kcal/hour Temperature range; Main tank room +2~ -25°C, Trimming tank room +5~0°C   Ice making : Type of model ice; Urea-doped granular ice Ice growth rate; abt. 7mm/hour   Towing facilities : Towing carriage; Velocity 0~1.5m/sec Underwater carriage; driven by towing carriage through a connect unit   Model size : Ship model maximum length 6m, Offshore structure model maximum width 3m Instrumentations: Data measurement system; PC controls maximum 40 CH A-D converter and data processing		

Applications (Tests performed) Resistance and self-propulsion tests in level ice, pack ice, rubble ice Ramming tests in level ice, hummock Initial turning tests in level ice Resistance and self-propulsion tests in brash ice channel in conformity with the guideline of Finish-Swedish ice class rules Force measurement on offshore structure in ice

**Published description** (Publications on this facility) POAC 1983 Helsinki, IAHR Ice Symposium 1988 Sapporo