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PROGRESS REPORT ON PROJECT 1 Removal of Wrecks in the Traffic Separation Scheme in the SOMS



Prepared by :

Mr Abdul Majid Rais, majid@marine.gov.my

MARINE DEPARTMENT MALAYSIA

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INTRODUCTION

- ✘ Annually more than 100,000 ships passed through the Straits of Malacca and Singapore (SOMS);
- ✘ In the Strait of Malacca, more than 80,000 ships passing through reported to the Port Klang VTS Centre and on average, 4947 (2010-2017) are deep draft vessels and carrying oil and chemical cargoes;

TRAFFIC IN THE STRAITS

	2007	2017
Total	70718	84456
Tanker	14931	20629
DDVs	3753	6711

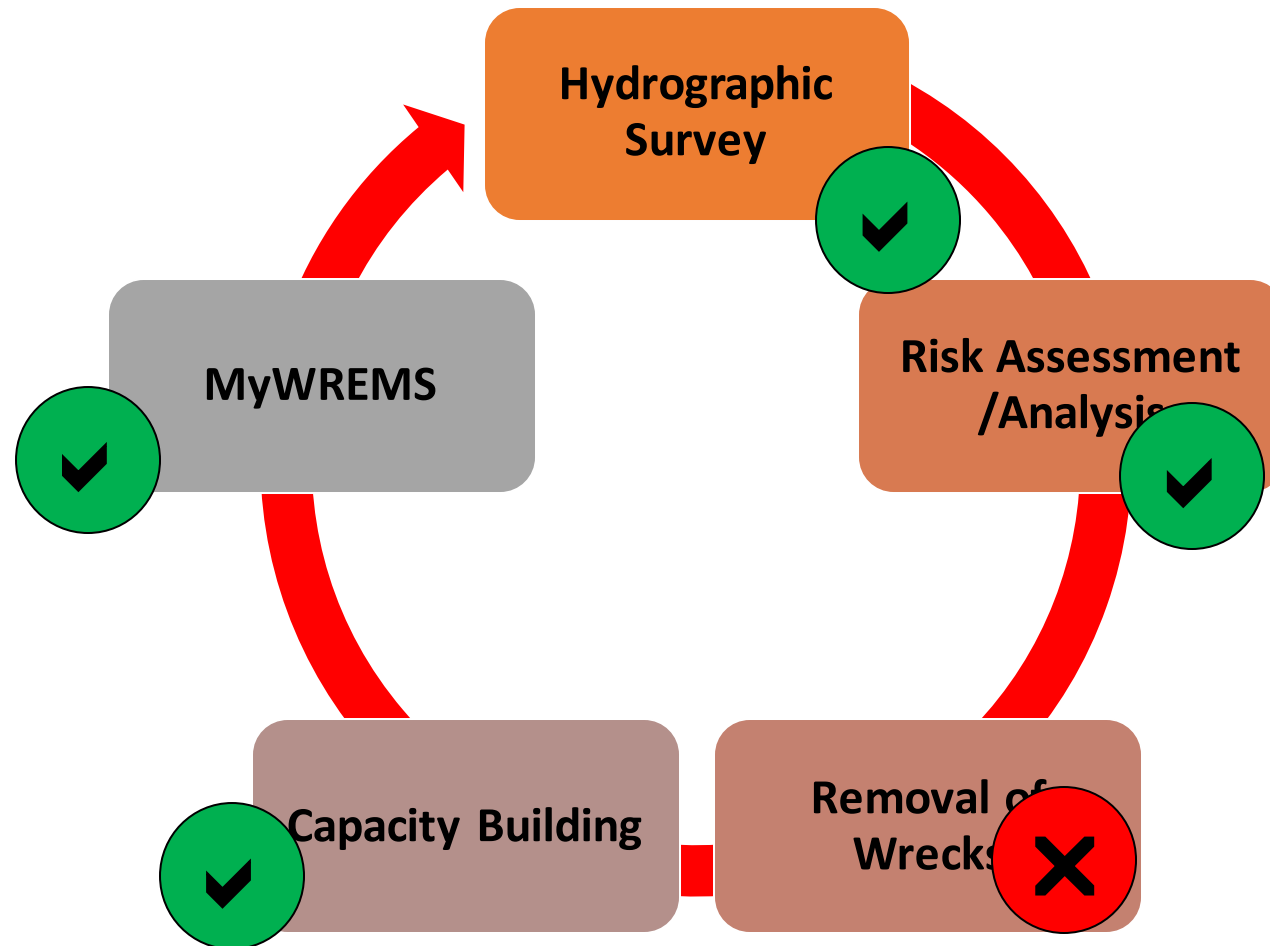
INTRODUCTION

- ✘ The rules for vessels navigating the Straits require deep draft vessels (DDV) and VLCC to have Under Keel Clearance (UKC) of at least **3.5m** so these deep draft vessels of 21m draft will need at least 24.5m water depth;
- ✘ Vessels with drafts of greater than 20m will have to carefully plan their passage through the SOMS to coincide with the incident of high water to ensure unimpeded passage;

OBJECTIVE

- ✘ To enhance the safety of navigation in the Straits of Malacca and Singapore (SOMS) particularly within the Traffic Separation Scheme (TSS) for deep draft vessels
- ✘ by determining the risks and removing of hazards to allow for continuous and unobstructed navigation.

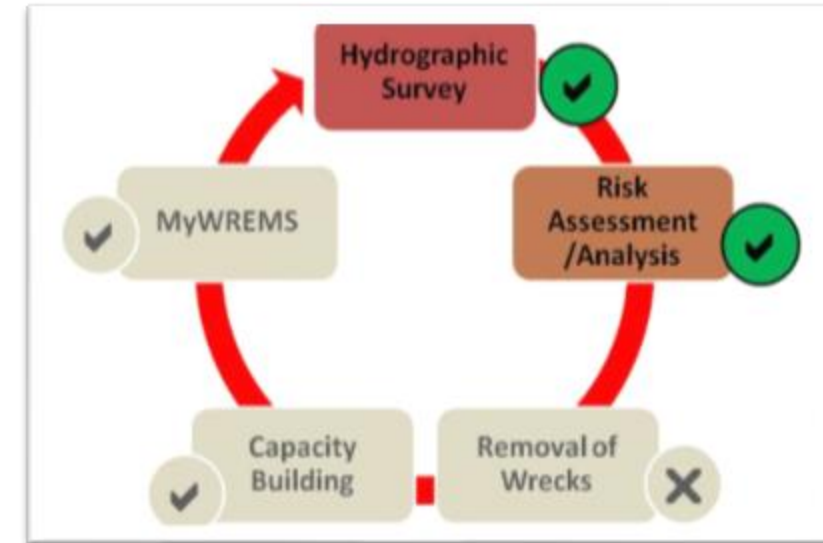
SCOPE



UPDATES@ACHIEVEMENT

✘ Hydrographic Survey & Risk Assessment / Analysis

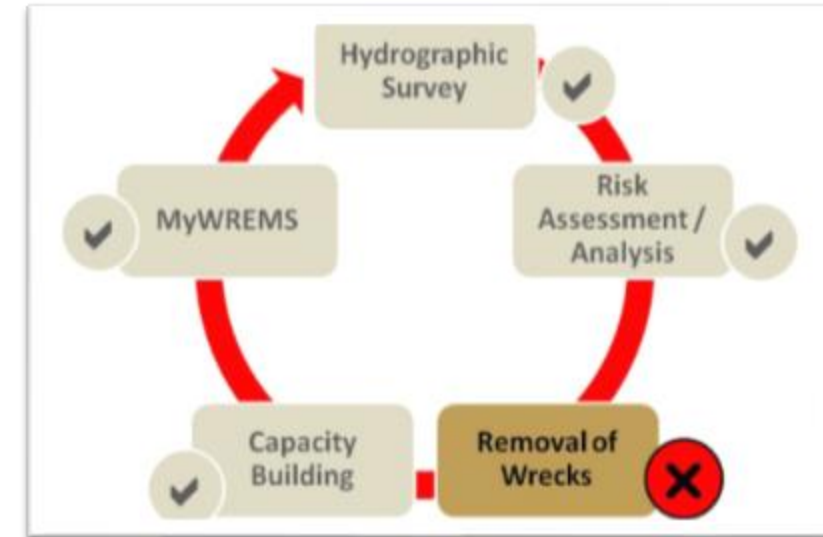
- ✘ Hydrographic Survey and risk assessment of this project has been identified to be part of the MEH Project;
- ✘ Survey conduct to identify the actual position of the wrecks as well as other natural limitations such as sand bars and shoals that may impose and hamper the safe navigation of vessels through the Straits;
- ✘ On going as part of JHS project by MSC and expected to be accomplish on the 2021;



UPDATES@ACHIEVEMENT

✕ Removal of Wrecks

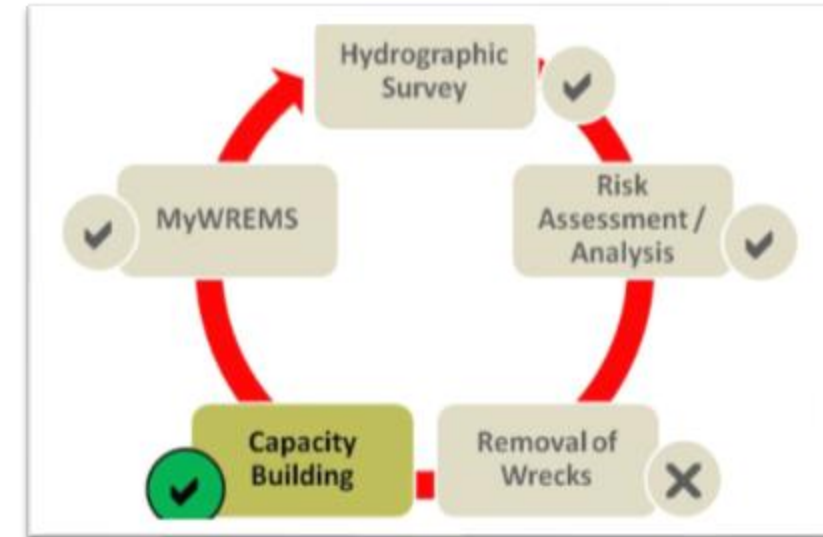
- ✕ Eleventh (11) wrecks have been identified;
- ✕ It was decided that the removal of these wrecks would be too costly;
- ✕ Littoral States had agreed to proceed with monitoring wrecks via Wreck Monitoring System;



UPDATES@ACHIEVEMENT

✕ Capacity Building

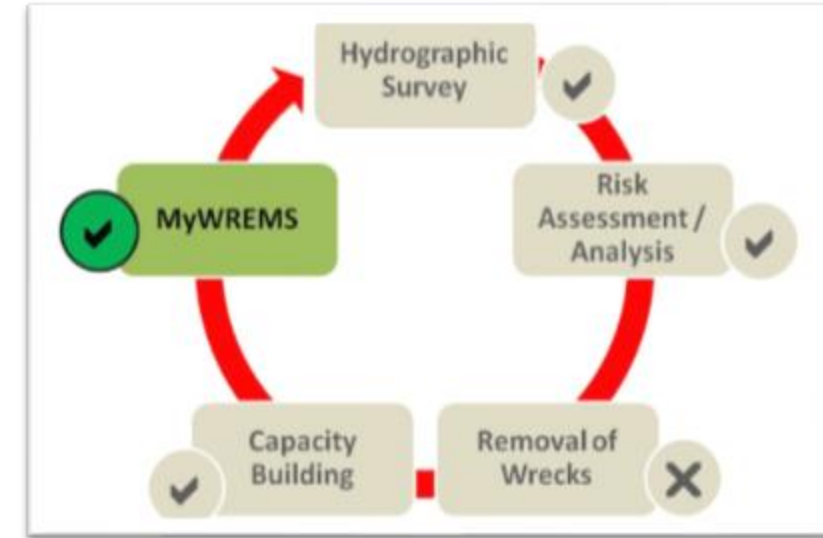
- ✕ Capacity Building on the training program sponsored by India Government on the “Truncated Course in Bathymetric and wreck Investigation”, 1 – 27 Mac 2010 at the National Institute of Hydrography, Goa India;
- ✕ 7- 17 June 2016 - Officers from MDM and NHC undergo for “pilot based training” in BSH, Rostock Germany



UPDATES@ACHIEVEMENT

✕ MYWREMS – Malaysia Wreck Management System

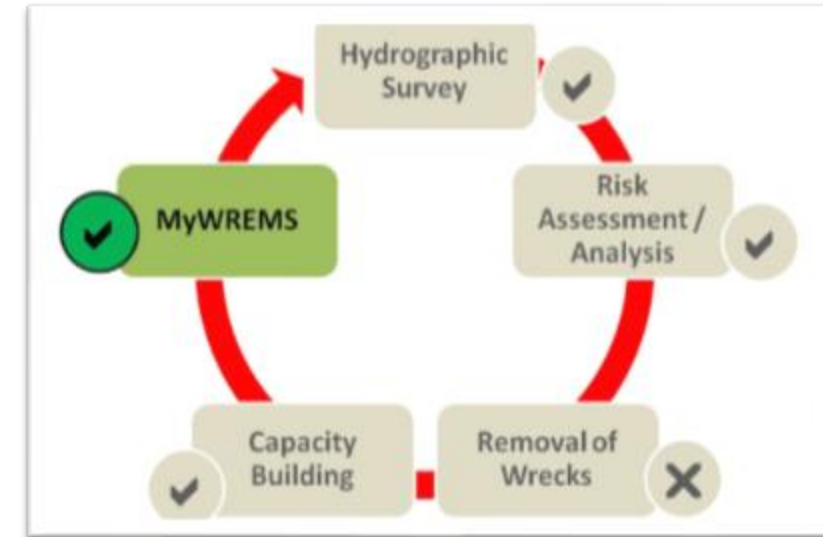
- ✕ 2013 / 2014
- ✕ Kick-off, with the consultation between Marine Department of Malaysia (MDM) & Federal Maritime and Hydrographic Agency of Germany (Bundesamt für Seeschifffahrt und Hydrographie (BSH);
- ✕ MYWREMS system is based on Germany's GUWIS i.e. German Under Water obstacle Information System;
- ✕ Received funding from IMO Straits Trust Fund;



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✕ MYWREMS – Malaysia Wreck Management System

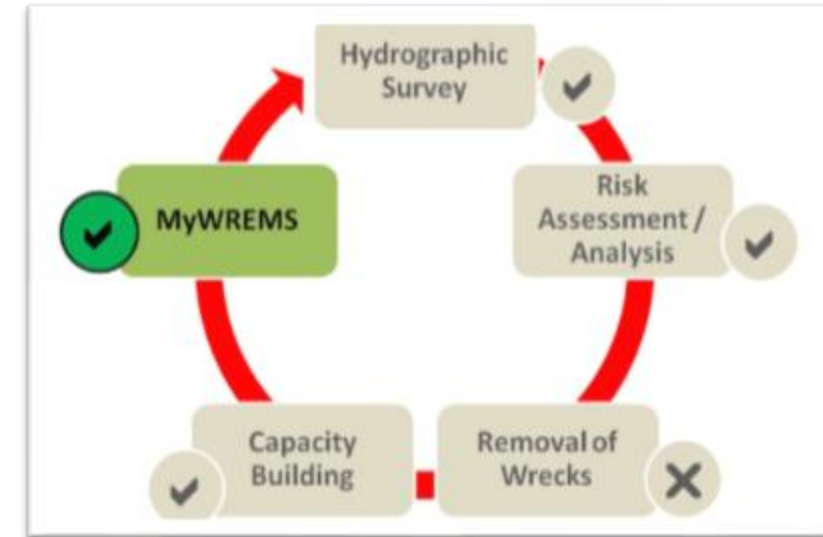
- ✕ 2013 / 2014;
- ✕ G UWIS is none public Database, which contains all known underwater obstacle, wrecks, rocks and other obstruction. Also pipes and cables are also recorded in this database;
- ✕ MYWREMS will include program 'ORCA Master' which can get accessed to British Admiralty Nautical Charts;



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✕ MYWREMS – Malaysia Wreck Management System

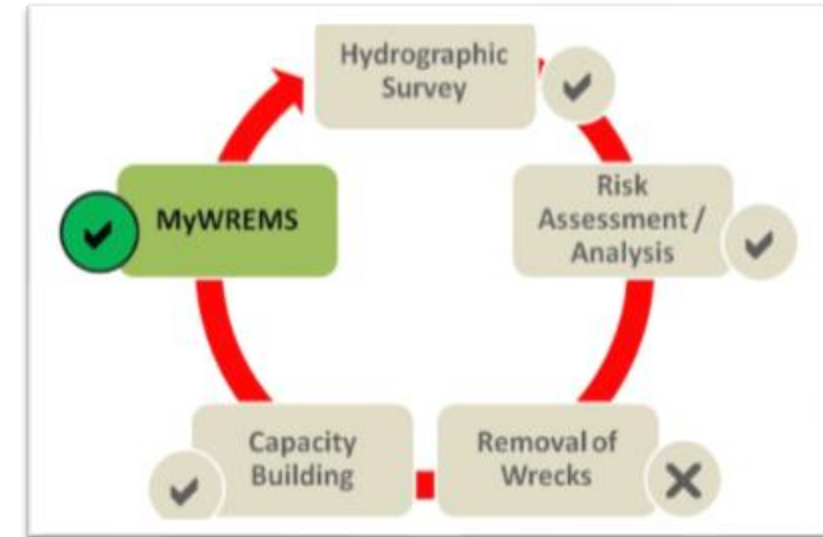
- ✕ 2015;
- ✕ May 2015, Hardware (server) has been sent to BSH, Germany for setting up and Software development.
- ✕ 2017
- ✕ September, BSH tested the server
- ✕ December – MDM received the MYWREMS server from BSH ; installed and tested



UPDATES@ACHIEVEMENT

✕ MYWREMS – Malaysia Wreck Management System

- ✕ 2018;
- ✕ June, MYWREMS ready to use via URL – <http://mywrems.marine.gov.my:8080>
- ✕ August – informed by BSH, Germany which will prepare and conduct the training, most likely towards the end of the year.



IMO STRAITS TRUST FUND STATUS

✕ Remaining balance ~ USD31,000.00 for a workshop by end 2018

Date	Contribution (USD)	Contribution (MYR)	Date	Expenses	(MYR)
Nov-13	150,000	476,400.00	Jan-15	Requisition Server & Computer MyWREMS	18,500.00
Apr-15	42,000	153,342.00	Mar-15	Telegraphic Transfer to Germany for preparing MyWREMS hardware & software	656,659.49
Jul-15	80,000	301,120.00	Feb-15	(i) Training 1 @ ORACLES	10,000.00
			Sep-15	(ii) Training 2	11,500.00
			Nov-15	(iii) Training 3	11,500.00
			Jun-16	MYWREMS workshop @ Rostock, Germany (Flight Tickets, Accomodations)	80,008.25
			Aug-18	Mima Profesional Fees	12,694.26
TOTAL		930,862.00	TOTAL		800,862.00

THANK YOU