



Title:

Revitalising Hydrographic Information for Empowering Marine Knowledge

Speaker:

Rear Admiral Hanafiah bin Hassan

Director General of National Hydrographic Centre

Royal Malaysian Navy

Date:

18 & 19 November 2019

















CONTENT

"Revitalising Hydrographic Information for Empowering Marine Knowledge"





Revitalising Measures



A MARITIME NATION

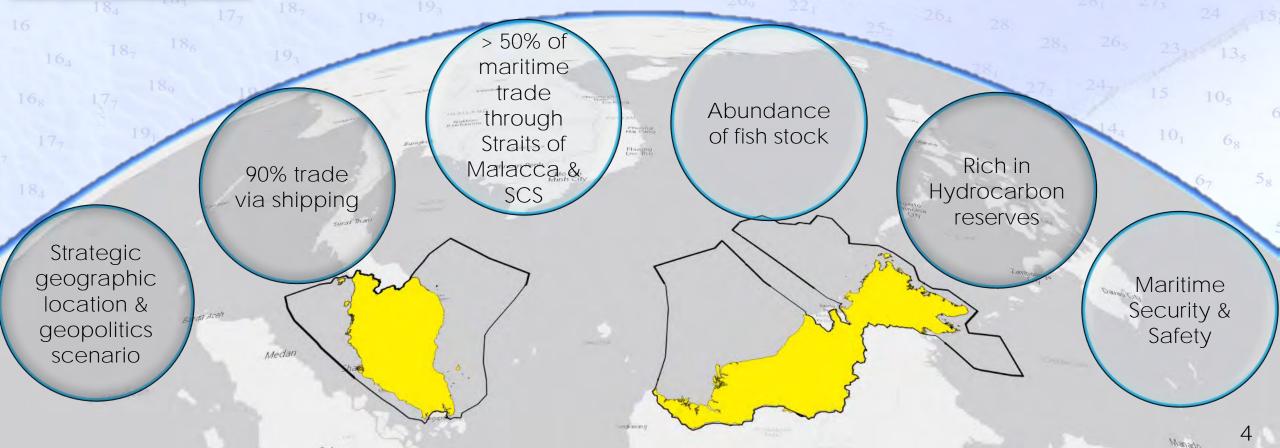




A MARITIME NATION

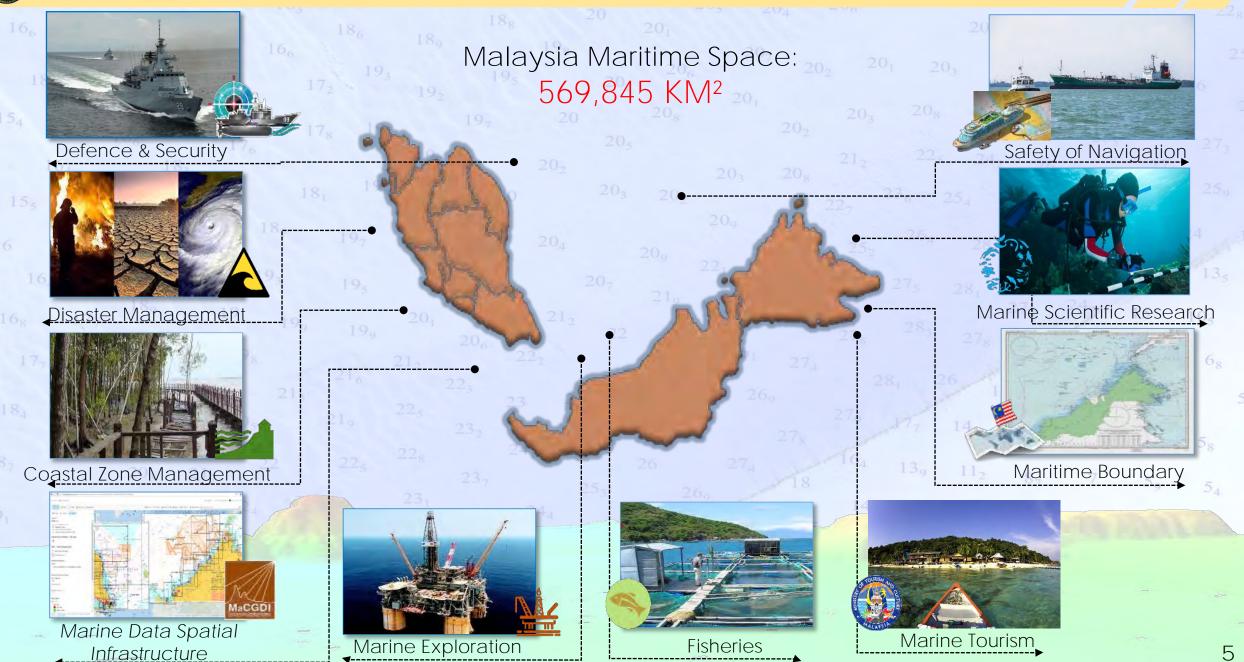


The Making Of Malaysia As A Maritime Nation' is appropriate and relevant as it highlights Malaysia's aspiration to be a maritime nation in the true sense.....Because of our history and the close proximity of many Malaysians to the sea we are inclined to regard Malaysia as a maritime nation. We are situated on the trade routes between India and China, between Europe and the East and naturally served as a port of call between monsoons for supplies and crew for all ships plying this route. Tun Dr. Mahathir, 1997 (Malaysia's First International Maritime Conference)





NEED FOR HYDROGRAPHIC DATA & INFORMATION





PRESENT CHALLENGES

NHC OBSERVER TEAM









MH370 Underwater Search Areas Planning Map

MH370 Underwater Search Planning Areas Indicative Search Area Extension to 120 000 km2 Potential Search Area

Underwater Search Area 1. Bothymetry Underwater Search Area 2 Elevation Ramp Wide search area

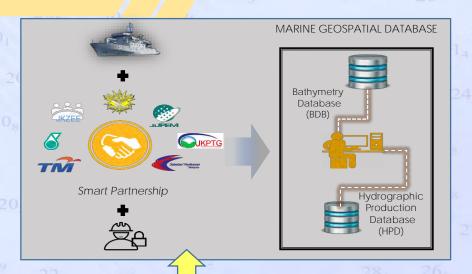


Date: 16/04/2015



PRESENT CHALLENGES





Multibeam
Data
Coverage

Regulating Policy & Awareness Qualification & Competency of Hydrographic Surveyor

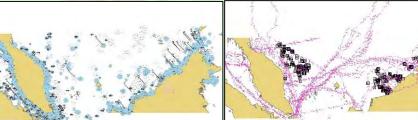
Data Interoperability

Big Data











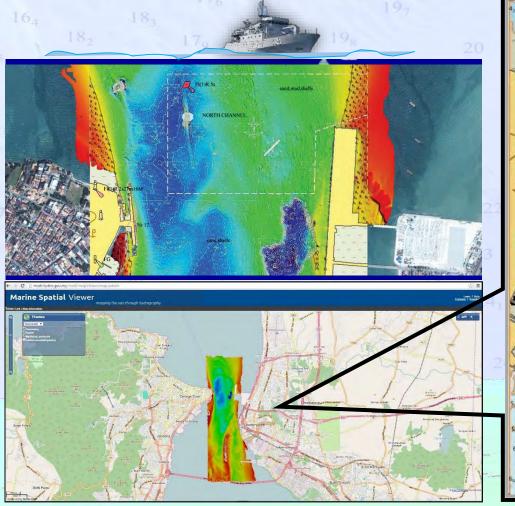
REVITALISING MEASURES

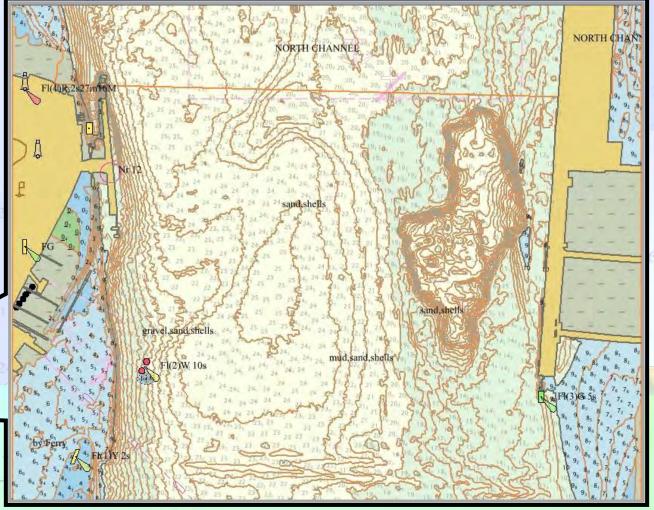












BASELINES OF MARITIME ZONES ACT 2006

ACT 660

An Act to provide for the declaration of geographical co-ordinates of base points for the purpose of determining the baselines of Malaysia and for other matters connected therewith.

WHEREAS the United Nations Convention on the Law of the Sea done at Montego Bay on 10 December 1982:

AND WHEREAS Malaysia deposited her instrument of ratification on 14 October 1996 and therefore in accordance with Article 308 of the Convention, the said Convention entered into for as far as Malaysia is concerned on 14 November 1996.

NOW THEREFORE, IT IS ENACTED by the Parliament of Malaysia as follows:

Short title and commencemen

- (1) This Act may be cited as the Baselines of Maritime Zones Act 2006.
- (2) This Act comes into operation on a date to be appointed by the Minister by notification in the Gazette.

2. Interpretation

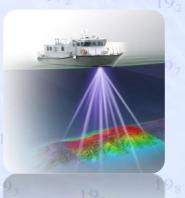
In this Act, unless the context otherwise requires-

"chart " means a nautical chart specifically designed to meet the needs of marine navigation, showing depth of water, nature of the seabed, configuration and nature of the coast, dangers and aids to navigation, in a standardized format and such chart is also referred to as marine chart or hydrographic chart;

"low-water line " means the intersection of the plane of low-water with the shore; the line along a coast or beach to which the sea recedes at low water;

baselines " means the baselines as determined under section 5;

National Hydrographic Act



Regulates the hydrography activities and it practices

Compliance with the international standards



Competency of hydrographic surveyors





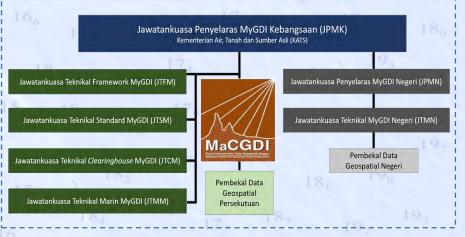


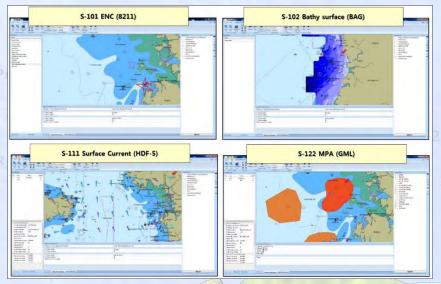
Hydrographic Surveyor Competency Assessment Committee

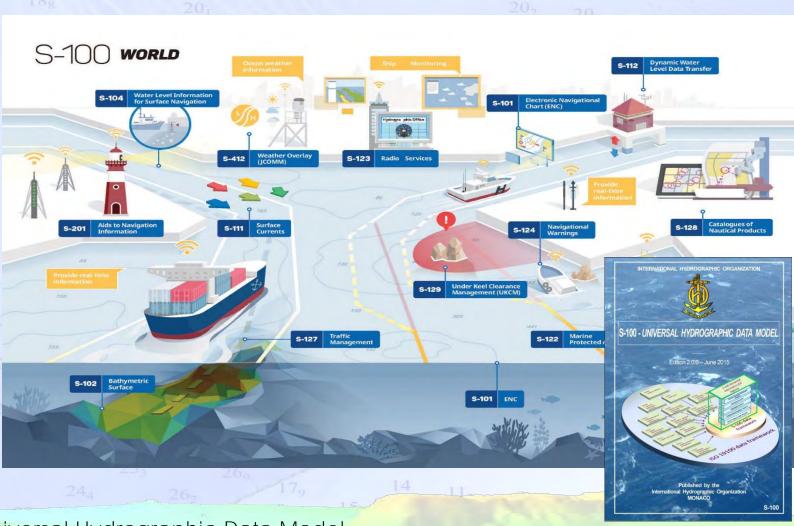




REVITALISING MEASURES







S-100: Universal Hydrographic Data Model

Key Features of S-100: S-100 supports a wider variety of hydrographic related digital data sources, products, and customers. This includes new spatial models to support imagery and gridded data, 3-D and time-varying data (x, y, z, and time), and new applications that go beyond the scope of traditional hydrography (high-density bathymetry, seafloor classification, marine GIS, etc.).

