Electronic Chart System (ECS)

6th EAHC CHC Meeting
Singapore
Introduction

Electronic Chart System (ECS)

- Harbour and pleasure craft carriage requirement
- Navigational aid to plot and monitor vessel’s position with navigational chart data
- Assists in route planning and monitoring
- Connected to a compatible AIS-B – Receives static, dynamic and voyage-related AIS data, targets and messages
Introduction

AMEC AIS & ECS

AMEC chart plotter with AIS Overlay via ECS Software

AMEC Class B AIS Transponder

VHF & GPS Antenna
Electronic Chart System (ECS)

The PC Panel

- Fully implemented in April 2017
- More than 800 units of ECS had been installed on the harbour and pleasure craft
- Complies with Class C RTCM ECS standard
- Read and display S-57 ENCs
- Automatic ENC updates (new edition and incremental) telco 3G+ networks or Wi-Fi.
Electronic Chart System (ECS)

- Shore-based infrastructure
- Facilitates update the ENCs for ECS.
- Stores operational and updating status data
- Generates reports on the status of the latest official updates applied to the ENCs on board all craft

Diagram:
- Database Server
- Web Server
- ECS on board the harbour craft