

KEMENTERIAN PERHUBUNGAN REPUBLIK INDONESIA
DIREKTORAT JENDERAL PERHUBUNGAN LAUT



MINISTRY OF TRANSPORTATION OF THE REPUBLIC OF INDONESIA
DIRECTORATE GENERAL OF SEA TRANSPORTATION

SERTIFIKAT KETERAMPILAN
CERTIFICATE OF PROFICIENCY

Nomor Seri/ Serial No.

CP 1277951

Nomor Sertifikat/ Certificate No.

6200257697281116

Dengan ini dinyatakan bahwa

This is to certify that

Nama

Name

:: **ASEP ARIF BAHTIAR**

Tempat dan tanggal lahir :

Place and date of birth

CIAMIS, 21 August 1987

telah menyelesaikan pelatihan dan lulus evaluasi :

has completed approved training and passed the assessment of

OPERATIONAL USE OF ECDIS TRAINING PROGRAMME - Revalidation

yang dilaksanakan oleh : PUSAT SIMULATOR BAHARI BINA SENA

which has held by

di : JAKARTA

at : 04 March 2013 to 08 March 2013

Sesuai ketentuan STCW 1978 beserta dengan amandemennya, Peraturan : Chapter II Section A-II/1, A-II/2 STCW 2010
in accordance with the provisions of STCW 1978 as amended, Regulation

yang telah mendapat pengesahan dari Direktorat Jenderal Perhubungan Laut selaku Administrasi.

which has been approved by the Directorate General of Sea Transportation as Administration.

Tandatangan Pemilik
Signature of the Holder



JAKARTA, 01 February 2016

An. Direktur Jenderal Perhubungan Laut
For Director General of Sea Transportation
Ketua/Direktur/Kepala
Principal/Director/Head



HARTONO, SE. MM

ELECTRONICS CHART DISPLAY AND INFORMATION SYSTEM (ECDIS)

Subject Area

Based on STCW 1978 as amended

Chapter II section A-II/1 and IMO Model Course 1.27

1. Introduction of Electronics Chart Display and Information System (ECDIS)
2. Legal Aspects and requirements
3. Principal types of electronic chart
4. ECDIS data
5. Presentation of ECDIS data
6. Sensors System
7. Basic navigational function and settings
8. Specific functions for route planning
9. Specific functions for route monitoring
10. Updating
11. Display and Function of Other Navigational Information
12. Errors in displayed data
13. Errors of interpretation
14. Status Indication, Indicators and Alarm
15. Documentation
16. Integrity Monitoring
17. Back-up System
18. Risk of over reliance on ECDIS
19. Review and Final Assessment