





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

## SERTIFIKAT KETERAMPILAN CERTIFICATE OF PROFICIENCY

Nomor Seri / Serial No.

CP4528291

6200017477031121 Nomor Sertifikat / Certificate No.

Dengan ini dinyatakan bahwa

This is to certify that

Tempat dan tanggal lahir JEPARA , 15 March 1976 Nama: Place and date of birth 

telah menyelesaikan pelatihan dan lulus evaluasi has completed approved training and passed the assessment of

## RADAR SIMULATOR

which has held by yang dilaksanakan oleh BINA SENA MARITIME TRAINING CENTER

di Jakarta at 07 August 2021 to 13 August 2021

in accordance with the provisions of STCW 1978 as amanded, Regulation [ ] Section A-W1.5,A-W2.2 STCW 2010 Sesual ketentuan STCW 1978 beserta dengan amandemennya, Peraturan Section A-H/1.5 A-H/2.2 STCW 2010

which has been approved by the Directorate General of Sea Transportation as Administration. yang telah mendapat pengesahan dari Direktorat Jenderal Perhubungan Laut selaku Administrasi.

Jakarta, 31 August 2021

Direktur Jenderal Perhubungan Laut ector General of Sea Transportation

tua/Direktur/Kepala

BINA SENA MTC

Signature of the Holder

Tandatangan Pemilik

FERY PARANG TIRTA, S. Kom

## RADAR SIMULATOR Subject Area

Based on Reg. II/1, II/2 andSTCW 2010 Code Section A-II/1, A-II/2

## Use of RADAR to Maintain Safety of Navigation

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- Radar navigation
- 2. Knowledge of the fundamentals RADAR
- Ability to operate and to interpret and analyse information obtained from RADAR
- Performance of :
- 2.1.1 Factor affecting performance and accuracy
- 2.1.2 Setting up and maintaining displays
- 2.1.3 Detection of misrepresentation of information, false echoes, sea return, etc., racons and SARTs
  - 2.2. Use of:
- 2.2.1 Range and bearing; course and speed of other ships; time and distance of crossing, meeting overtaking ships
- 2.2.2 Identification of critical echoes; detectingcourse and speed changes of other ships; effect of changes in own ship's course or speed or both
- 2.2.3 Application of the international regulation for preventing collision at sea, 1972, as amended
  - 2.2.4 Plotting techniques and relative and true motion concepts
- 2.2.5 Parallel indexing
- Evaluation of navigational information derived from RADAR in order to make and implement command decision for collision avoidance and for directing the safe nafigation of the ship 4
- 5. Assessment and Evaluation