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 1324830

Nomor Sertifikat / Certificate No.
6201291711020116

Dengan ini dinyatakan bahwa
This is to certify that

Nama :: **JOSUA TARIPAR ROBEL SIHOTANG**
Name
Tempat dan tanggal lahir : BELAWAN, 19 July 1992
Place and date of birth

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

ARPA SIMULATOR - Revalidation

yang dilaksanakan oleh : STIP Jakarta
which has held by

di : JAKARTA
at : 26 August 2013 to 28 August 2013

Sesuai ketentuan STCW 1978 beserta dengan amandemennya, **Peraturan** Section A-II/1.5, A-II/2.2 STCW 2010
in accordance with the provisions of STCW 1978 as amanded, 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.

JAKARTA, 21 March 2016

Tandatangan Pemilik
Signature of the Holder

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

PRANYOTO, S.Pi. MAP

AUTOMATIC RADAR PLOTTING AIDS (ARPA) SIMULATOR
Subject Area

Based on Table A.II/2 STCW Code and Model Course 1.08

1. Introduction
2. Review of Plotting Techniques
3. Principal ARPA systems
4. IMO Performance Standards for Automatic Radar Plotting Aids (ARPA)
5. Acquisition of Targets
6. Tracking Capabilities and Limitations
7. Processing Delays
8. Setting up and Maintaining Displays
9. Representation of Target Information
10. Error of Interpretation
11. Error in Displayed Data
12. System operational tests
13. Risks of Over reliance on ARPA
14. Obtaining Information from ARPA Displays
15. Application of COLREG 1972
16. Review and Final Assessment