

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.

CP5398416

Nomor Sertifikat / Certificate No.
6200091302270223

Dengan ini dinyatakan bahwa

This is to certify that

Nama

Name

Tempat dan tanggal lahir :

Place and date of birth

:: SUPANGKAT HARI KUSWORO

MALANG , 01 November 1979

telah menyelesaikan pelatihan dan lulus evaluasi :

has completed approved training and passed the assessment of

ENGINE ROOM RESOURCE MANAGEMENT

yang dilaksanakan oleh : **BP3IP Jakarta**

which has held by

Jakarta

di : **02 January 2023 to 05 January 2023**

at :

Chapter III, Section A-III/1, A-III/2, A-III/3 and Chapter VIII Section A-VIII/2 & B-VIII/2 STCW 2010

Chapter III, Section A-III/1, A-III/2, A-III/3 and Chapter VIII Section A-VIII/2 & B-VIII/2 STCW 2010

Sesuai ketentuan STCW 1978 beserta dengan amandemennya, Peraturan :

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.

Jakarta, 11 January 2023

Tandatangan Pemilik

Signature of the Holder



BP3IP Jakarta



Am. Direktur Jenderal Perhubungan Laut

O.b. Director General of Sea Transportation

Ketua Direktur/Kepala

Principal/Director/Head

Ir. AHMAD, M.MTr., QIA., CFr.A



ENGINE ROOM RESOURCE MANAGEMENT

Subject Area.

Based on SCTW 1978 Reg. III/1-2 and STCW Code Section A-III/1

Knowledge of Engine-Room Resource Management Principles

1. Allocation, Assignment and Prioritization of Resources :
 - 1.1. Engine room organization and procedures;
 - 1.2. Maintain a safe engineering watch.
2. Effective Communication.
3. Assertiveness and Leadership
 - 3.1. Leadership and Group Decision Making.
4. Obtaining and Maintaining Situational Awareness
 - 4.1. Situational Awareness and Error Trapping.
5. Consideration of Team Experience
 - 5.1. Management of Stress and Distractions;
 - 5.2. Fatigue and Circadian Rhythm;
 - 5.3. Multicultural Diversity.
6. Familiarization with Engine Room Simulator.
7. Simulation
 - 7.1. Simulation1 : Engine Room Organization and Procedures; Team Building and Development; Leadership and Group Decision Making; Communication
 - 7.2. Simulation 2 : Communication; Multicultural Diversity; Situational Awareness and Error Trapping; Management of Stress and Distraction; Fatigue and Circadian Rhythm; Assignment of Engine Room Personnel; Engine Room Preparation before Departure; Manoeuvring for Departure; Watch Keeping Routines and Handing Over; Engine Room Preparation before Arrival; Manoeuvring for Arrival; Securing Engine Room after Finished; Trouble Shooting
8. Assessment and Evaluation.