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| Departemen_Perhubungan.wmf | FORM SKENARIO  LABORATORIUM/SIMULATOR/  WORKSHOP | | NomorDokumen : FM.USW.01.02a |
| Tgl. Ditetapkan : |
| Revisi No : |
| Tgl. Diberlakukan : |
| Made By : | | Reviewer : |
| PIP SEMARANG | **Capt. Agus Subardi, SP1. M.Mar** |  | **Capt. Samsul Huda, M.M,. M.Mar** |

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| Type Facilities :   * Laboratorium * Simulator * Other | NameLaboratorium/ Simulator/ Other :  SMS/Part Task Ship Handling Simulator/F.M Ship Handling Simulator (Bridge) |

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| **STCW Convention** | **Certificat Of Competency** | |
| **Program** | Rancangan Pelayaran / Passge Planning. **Scenario 04** | |
| **REFERENSI STCW** | *Reg. II/1-2 and STCW Code Section A-II/1.2*  ***IMO Reference and STCW Code table A-II/2*** | |
| **AIM of Exercise** | Merencanakan Passage Planning untuk perairan Pelayaran Sempit danTampakTerbatas  *Plan a Passage Planning for narrow and Limited visibility* | |
| **Objective** | 1. Check peralatan alat navigasi di anjungan untuk melewati alur pelayaran sempit dan tampak terbatas.   *Check the navigation equipment on the bridge*   1. Check peralatan untuk Komunikasi radio   *Check equipment for Radio communications*   1. Periksa dan siapkan mesin untuk olahgerakkapal   *Check and prepare the machine for ship movement*   1. Check dan periksamesin kemudidarurat   *Check and check the emergency steering machine*   1. Siapkanpetalaut yang berskalabesar / petapenjelas   *Prepare a large-scale sea map / explanatory map*   1. Siapkan penerbitan navigasi yang berkaitan dengan daerah pelayaran   *Prepare navigation publishing related to shipping area* | |
| **Own Ship Data** | Ship Name  Call Sign  Type Of Ship  Displacement  LOA  Draft  Max Speed  Type Of Propeller  Bow Thruster  Condition  Anchor | MV. PALEMBANG  YCQW  CONTAINER SHIP  4514.0 Ton  173.5 meter   * 1. meter   22 Knots  FPP Single  Yes  Full Loaded  Port/Stbd 11 shackle |
| **Exercise condition** | Kapal berlayar dari Tg.Priok Jakarta, menujuTg.Perak Surabaya. Sebelum sandar kapal berlabuh terlebih dulu di perairan rede Surabaya. Pilot Bording di Karang Jamuang, dan selanjutnya kapal berlayar dengan pandu di alur pelayaran Surabaya. Alur pelayaran Surabaya dilengkapi dengan buoy penuntun dari Karang Jamuang sampai rede Surabaya.  *The ship sailed from TgPriok Jakarta, to Tg Perak Surabaya. Before the boat docked first anchorage in area waters of Surabaya. Pilot Boarding in KarangJamuang, and then the boat sail with a waveguide in Surabaya's cruise line. The Surabaya cruise line is equipped with a guiding buoy from KarangJamuang to Surabaya anchorage*   1. Buat Voyage Plane daripo sisi Tg.Priok Jakarta menuju Karang Jamuang Pilot Station   *Create Voyage Plane from TgPriok Jakarta to KarangJamuang Pilot Station*   1. Buatlah route Dari Jamuang Pilot Station menuju Surabaya Waiting anchorage   *Make the route From Jamuang Pilot Station to Surabaya Waiting anchorage*   1. Melaksanakan Reporting Point denganKarangJamuang Pilot Station Ch.12   *Report in the Reporting Point VTIS with KarangJamuang Pilot Station CH. 12* | |
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**INITIAL INFORMATION**

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| --- | --- | --- | --- | --- | --- |
| **WIND** | | **CURRENT** | | **SEA STATE** | |
| Direction | 270⁰ | Direction | North | Direction | North East |
| Speed | 2 knots | Speed | 0.5 knots | Speed | 00 knots |

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| **Briefing** | 10 minutes |
| **Exercise Duration** | 60 minutes |
| **Debriefing** | 10 minutes |

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| **Performance Criteria** | | |
| **NO** | **TIME** | **ACTIVITY** |
| 1 | 10 | Membuat route rancanganpelayaran   1. Membuat Track dan menetapkan Garis Haluan dipetalaut   *Make Track and sailing direction on the chart*   1. Masukkan WPT ke Voyage Plan (GPS)   *Put in WPT to Voyage Plan (GPS)*   1. Menentukan ETA Karang Jamuang   *Determine ETAKarangJamuang* |
| 2 | 10 | Komunikasi  *Communication*   1. Melakukan Komunikasi dengan Kepanduan Karang Jamuang   *Communication with KarangJamuang Pilot Station*   1. Melakukan Komunikasi dengan Kamarmesin   *Communication with the engine room* |
| 3 | 10 | Menyiapkan peralatan navigasi pelayaran  *Prepare navigation equipment* |
| 4 | 10 | Periksa dan check dan coba mesin kemudi darurat  *Check and check and try emergency steering machine* |
| 5 | 10 | Menyiapkan radar arpa untuk memonitor Kapal kapal menghindari bahaya navigasi  *Prepare the radar arpa to monitoring other vessel to avoid danger navigation* |
| 6 | 10 | Menyiapkan peralatan pandu naik ke kapal / menjemput pandu  *Prepare the pilot boarding equipment up the ship / pick up the pilot* |

\*Critical performance below must get record**“Yes”**mark will lead the final result to mark **FAIL**

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **CriticalPerformance** | **Y** | **N** |
| 1 | Persiapkan Route Pelayaran dengan aman  *Prepare Route Planning safely* |  |  |
| 2 | Melaporkan Ke Nahkoda bahwa kapal siap berlayar  *Report to the Captain if ship’s ready for sailing* |  |  |
| 3 | Memberitahukan Ke Kamar Mesin  *Inform to the Engine Room* |  |  |
| 4 | Komunikasi dengan Karang Jamuang Pilot Station  *Communication with KarangJamuang Pilot Station* |  |  |
| 5 | Menyiapkan radar arpa untuk menghindari bahaya navigasi  *Prepare radar arpa for avoid dangar of navigation* |  |  |

**The Task And Evaluation Performance Criteria**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Activity** | **Time Frame (minutes)** | **Result** | | **Mark** | **Actual Time** | **Remark** |
|  | **Y** | **N** |
| **1** | **Membuat route pelayaran**  *Create a shipping route* | **10** |  |  | **15** |  |  |
|  | 1. Membuat Track dan Garis Haluan di Peta   *Make track and sailing direction on the Chart* | *+2,5* |  |  | 5 |  |  |
|  | 1. Memasukkan WPT Ke GPS   *Input WPT to GPS* | *+5* |  |  | 5 |  |  |
|  | 1. Menentukan ETA   *Determine the ETA* | *+2,5* |  |  | 5 |  |  |
| **2** | **Komunikasi** | **10** |  |  | **10** |  |  |
|  | 1. Komunikasi Dengan Karang Jamuang Pilot St   *Communication with KarangJamuang Pilot St* | *+5* |  |  | *5* |  |  |
|  | 1. Komunikasi Dengan Engine Room   *Communication with Engine Room* | *+5* |  |  | *5* |  |  |
| **3** | **Menyiapkan peralatan pelayaran**  *Prepare navigation equipment* | **10** |  |  | **20** |  |  |
|  | 1. *Compass magnet dan compass gyro and bearing* 2. *Radar Arpa, navigation lamp,* | *+10* |  |  | *20* |  |  |
| **4** | **Periksa dan check dan coba mesin kemudi darurat bersama dengan enginer**  *Check and check and try emergency steering machine with enginer.* | **10** |  |  | **15** |  |  |
|  | Memeriksa dan mencoba mesin kemudi darurat yang berhubungan dengan compass di anjungan.  *Check and try the emergency steering engine associated with the compass on the bridge.* | *+5* |  |  | *5* |  |  |
|  | Kerjasama dalam menghadapi situasi darurat  *Cooperate to handle Emergency Situations* | *+5* |  |  | *10* |  |  |
| **5** | **Menyiapkan penerbitan dan buku navigasi pelayaran**  *Prepare the issuance and navigation book of the voyage* | **10** |  |  | **20** |  |  |
|  | Menggunakan penerbitan dan buku navigasi pelayaran  *Use navigation publishing and navigation books* | *+10* |  |  | *20* |  |  |
| **6** | **Menyiapkan peralatan pandu naik ke kapal / menjemput pandu**  *Prepare the pilot boarding equipment up the ship / pick up the pilot* | **10** |  |  | **20** |  |  |
|  | Mencheck kesiapan penggunaan tangga pandu  *Checking readiness of pilot ladder* | *+10* |  |  | *20* |  |  |
|  |  | **60** | **Total** | | **100***100* |  |  |

**Time factor**

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| --- | --- | --- | --- |
| <60 minutes = 1 | 61 – 70 minutes = 0.9 | 70 – 80 minutes = 0.8 | >80 minutes = 0.5 |

**Total Time : ………………minutes Time Factor : …………….**

**Total Score : Total Mark X Total Factor = …………… x ……………. = …………….**

**Final Result : PASS / FAIL ( Passing Grade = 70 )**