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| Departemen_Perhubungan.wmf | FORM SKENARIO LABORATORIUM/SIMULATOR/ WORKSHOP | Nomor Dokumen : FM.USW.01.02a |
| Tgl. Ditetapkan : Oktober 2017 |
| Revisi No : 01 |
| Tgl. Diberlakukan : Oktober 2017 |
| Made By : | Reviewer : |
| PIP SEMARANG | Capt. SUWIYADI, M.Pd; M.Mar | DIAN KURNIANING SARI, S.SiT, MM | Capt. AGUS SUBARDI, SP1. M.Mar |

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

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| --- | --- |
| Criteria on STCW Code | Certificate Of Proficiency |
| **Program** | Radar Operation |
| **Kopetensi*****Competency*** | **STCW TABLE A-II/3**Navigation & Operational ANT V |
| **aim of Exercise** | *F*ixing Position by Radar |
| **Objective** | 1. Power on and start the system a. Check that the ship’s main are turned on b. Press (POWER) key c. Wait until the preheating time is over d. Press (TX/STBY) key 2. Observe and adjust Picturea. Press (RANGE+) key or (RANGE-) key to set the range to the scale required for target observationb. Adjust (BRILL) (TUNE) (GAIN) (SEA) and (RAIN) to obtain the clearest target 3. Acquire and Measure data a. Using cursor b. Using range rings c. Using electronic bearing line (EBL1/EBL2) d. Using variable range markers (VRM)4. End the Operation and Stop System a. Press (TX/STBY) key b. Press (POWER) key |
| **Radar Data** | Radar Arpa DisplayModel NCD-2123Serial No. YP10345Date Mar 2009Japan Radio Co. Ltd (JRC)Made in Japan |  |
| **Exercise condition** | **Fill in Radar Log Book and form** |

**INITIAL INFORMATION**

|  |  |  |
| --- | --- | --- |
| **WIND** | **CURRENT** | **SEA STATE** |
| Direction |  | Direction |  |  |  |
| Speed |  | Speed |  |  |  |

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

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| **Performance Criteria :** |
| **NO** | **TIME** | **ACTIVITY** |
| **1** | 6 | **1. Power on and start the system**a. Check that the ship’s main are turned onb. Press (POWER) keyc. Wait until the preheating time is overd. Press (TX/STBY) key |
| **2** | 2 | **1. Power on and start the system**a. Check that the ship’s main are turned onb. Press (POWER) keyc. Wait until the preheating time is overd. Press (TX/STBY) key**2. Observe and adjust Picture**a. Press (RANGE+) key or (RANGE-) key to set the range to the scale required for  target observationb. Adjust (BRILL) (TUNE) (GAIN) (SEA) and (RAIN) to obtain the clearest target |
| **3** | 1 | **1. Power on and start the system**a. Check that the ship’s main are turned onb. Press (POWER) keyc. Wait until the preheating time is overd. Press (TX/STBY) key**2. Observe and adjust Picture**a. Press (RANGE+) key or (RANGE-) key to set the range to the scale required for target observationb. Adjust (BRILL) (TUNE) (GAIN) (SEA) and (RAIN) to obtain the clearest target **3. Acquire and Measure data**a. Using cursorb. Using range ringsc. Using electronic bearing line (EBL1/EBL2)d. using variable range markers (VRM) |
| **4** | 1 | **1. Power on and start the system**a. Check that the ship’s main are turned onb. Press (POWER) keyc. Wait until the preheating time is overd. Press (TX/STBY) key**2. Observe and adjust picture**a. Press (RANGE+) key or (RANGE-) key to set the range to the scale required for target observationb. Adjust (BRILL) (TUNE) (GAIN) (SEA) and (RAIN) to obtain the clearest target **3. Acquire and Measure data**a. Using cursorb. Using range ringsc. Using electronic bearing line (EBL1/EBL2) d. using variable range markers (VRM)**4. End the Operation and Stop System**a. Press (TX/STBY) keyb. Press (POWER) key |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **CriticalPerformance** | **Y** | **N** |
| 1 | Power on and start the system |  |  |
| 2 | Observe and adjust Video |  |  |
| 3 | Acquire and Measure data |  |  |
| 4 | End the Operation and Stop System |  |  |

**The task and evaluation performance creteria**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Activity** | **Result** | **Time Frame (mts)** | **Mark** | **Actual Time** | **Remark** |
| **Y** | **N** |
| **1** | **1. Power on and start the system** |  |  | **0** | **25** |  |  |
|  | Check that the ship’s main are turned on |  |  | ***+1*** | ***5*** |  |  |
|  | Press (POWER) key |  |  | ***+1*** | ***10*** |  |  |
| **2** | Wait until the preheating time is over |  |  |  ***+3*** | ***5*** |  |  |
| **3** | Press (TX/STBY) key |  |  |  ***+1*** | ***5*** |  |  |
|  | **2. Observe and adjust Picture** |  |  | **6** | **25** |  |  |
|  | Press (RANGE+) key or (RANGE-) key to set the range to the scale required for target observation |  |  |  ***+1*** | ***10*** |  |  |
|  | Adjust (BRILL) (TUNE) (GAIN) (SEA) and (RAIN) to obtain the clearest target |  |  | ***+ 1*** | ***15*** |  |  |
| **4** | **3. Acquire and Measure data** |  |  | **8** | **25** |  |  |
|  | Using: cursor, range ring, electronic bearing line (EBL1/EBL2), variable range markers (VRM) |  |  |  ***+1*** | ***25*** |  |  |
|  | **4. End the Operation and Stop System** |  |  |  | **25** |  |  |
|  | Press: (TX/STBY) key, (POWER) key |  |  |  ***+1*** | ***25*** |  |  |
|  |  |  |  | **10** | **100** |  |  |

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**Time factor**

|  |  |  |  |
| --- | --- | --- | --- |
| < minutes = 1 |  minutes = 0.9 | minutes = 0.8 |  minutes = 0.5 |

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

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

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