**1.** With Reference to NI Circular 003/2020 dated 31 March 20, & DPTEG Minutes of 11 May '20. Industry Academic ETRS Center (KMOU) KHAN DP Training Center is conducting DP Induction Course Online, over a 3.5- Day period.

**2.** The Course Timetable is shown below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DP INDUCTION ONLINE TRAINING TIMETABLE -**  **INDUSTRY ACADEMIC ETRS CENTER (KMOU) KHAN DP TRANINING CENTER, BUSAN** | | | | |
|  |  |  |  |  |
| **TIME** | **DAY 1(16)** | **DAY 2(17)** | **DAY 3(18)** | **DAY 4(19)** |
|  | **TOPICS** | **TOPICS** | **TOPICS** | **TOPICS** |
| **09:00** | **Words of Welcome Registration on NI Alexis platform Introduction to IMO,  Nautical Institute, IMCA & MTS** | **DP Systems - IMO Classes, Rules & Regulations** | **PRS Pooling** | **DP Vessel Types, DP Operations, Operating Procedures** |
|  | **DP Introduction, Six Degrees of Freedom, Main Elements of a DP System** | **DP System Principles, DP Modelling** | **PRS  [TW, HTW, Gangway Reference & Riser Angle]** | **Risk Considerations** |
| **10:45** | **Coffee** | **Coffee** | **Coffee** | **Coffee** |
| **11:00** | **DP Sensors - Gyro, MRU, Anemometer, Draft, Cable/Pipe Tension and Other** | **Power & Power Management, DP Capabilities** | **PRS [Laser, FMCW Radar Systems]** | **CAMO, TAM, ASOG. Advice regarding DP Log book** |
| **12:30** | **Lunch** | **Lunch** | **Lunch** | **Summarise** |
| **13:00** |  |  |  | **End Session** |
| **13:30** | **Thrusters for DP Vessels** | **Types of DP Vessels** | **PRS [Artemis, DGNSS, DARPS]** |  |
| **14:30** | **Coffee** | **Coffee** | **Coffee** |  |
| **14:45** | **Modes of Operations - Basic & Non-Basic** | **UTM Coordinates** | **PRS [HPR, Inertial Navigation], DP Operations** |  |
|  | **Summarise** | **Summarise** | **Summarise** |  |
| **16:30** | **Hometask** | **Hometask** | **Hometask** |  |
|  |  |  |  |  |
| **Training Time** | 6 Hrs:00 Mts | 6 Hrs:00 Mts | 6 Hrs:00 Mts | 3 Hrs:45 mts |
|  |  |  |  |  |
| **Total Training Time:** | |  |  | **21 Hrs:45mts** |
|  |  |  |  |  |

3. **Training Material:**

Those who enroll for the DP Induction Online Course at our Centre will be sent a hard copy of the DP Induction Course Manual by post/courier prior to commencement. They are also sent a copy of a glossary of nautical terms related to the Course, in a pdf format with Korean translation.

**4. Equipment**

Training Centre:

* The Training Centre will be equipped with Desktop/Laptop for delivering the Online Course by Webinar
* Zoom Software shall be used for conduct of the Webinar Sessions and Tested before each Course
* A good broadband connection and Wi-Fi
* Smart TV with Wi-Fi adaptability, of high definition, suitable for remote viewing
* DP Simulators may be connected to the TV to demonstrate DP software functions
* Headphones to lessen background noise levels
* Course delivery shall be over the Zoom Platform [This has been tested successfully by our Instructor Capt. V J Joseph, FNI]

Trainee:

* Laptop or Desktop to participate in the Webinar sessions. Compatible with operating systems of Microsoft Windows 7 or later. Else, an iMac with Microsoft Office 365
* Participants shall have to download zoom.us on their laptops/desktops and the connections will be tested a day prior to the commencement of online training.
* Headphones connected to their computers and tested
* Notepad, pen/pencil
* Copy of the DP Induction Course Manual
* A Smart TV connected to their computer by HDMI cable to view sessions would be an advantage although not essential

**5. Notes for the Trainee:**

* The trainee shall submit a Registration Form prior to commencement, with copies of Passport and STCW/Naval Watchkeeping Officer's certificate.
* They will be notified that they will be issued with a logbook on completion. They shall have to complete relevant tasks during their seatime phase. On successful completion an Email shall be provided to the trainee to take on board ships, explaining that the normal training of the DP Induction phase has not been completed in full and that the trainee will require additional support for familiarisation with equipment and its operation [Appendix A].
* The Trainee shall be informed that he will have to return to the Centre to complete 2 more days of Induction prior to the Simulator Course which can run concurrently. They will only be admitted to the Simulator Course if they pass the DP Induction Course Online Test during the 2-day session.
* These facts shall be included with their Registration Form so that the process is clearly understood.

**6. Instructor**

Capt. VJ Joseph is the approved Instructor delivering this Course.

**7.** **DP Logbook & Endorsement of Phase A**

01Trainees who undergo the Online Course at our Centre will be issued with a Logbook obtained by us from the Nautical Institute. The book may be sent by a courier service. A list shall be maintained at the Centre of Candidate's details, NI Customer Number and DP Logbook issued. Endorsement in the Logbook for completion of Phase A shall only be made on their return to the Centre after completion of 60 days DP seatime [Phase B]. Upon their return, they will have to undergo a further period of training on the Class C Simulator. 9 hours of additional training will be required, spread over 2 days, making the time spent on the DP Induction Course to be 30 hours 45 minutes in all. Thereafter, candidates shall undertake the Online TestReach Exam. Candidate's details with the Test results shall be retained and passed on to the Nautical Institute.

**8. Phase C - DP Simulator Course**

Successful candidates shall be allowed to continue with the 5-Day DP Simulator Course, which may continue after the Online Test, as the Trainees would have returned after completing their Task Section and 60 days of DP seatime.