

# DP INDUCTION COURSE

## NAUTICAL INSTITUTE DP OPERATOR CERTIFICATE SCHEME



### ENTRY REQUIREMENTS

The minimum qualification is set at STCW Regulation II/1 - II/2 - II/3 Deck, Regulation III/1 - III/2 - III/3 - III/6 Engine and Regulation III/6 for ETOs

Alternative appropriate marine vocational qualification will be considered on a case by case basis. Prospective DPO (cadet), who are in the process of training for an STCW certificate, can start the DP scheme. See also: <http://www.imat2006.it/> Offshore Area

### COURSE DESCRIPTION

After the course, the successful participants are able to:

- Define the principles of DP
- Recognize the component parts of a DP system
- Understand the relationship between vessel movement prs, sensors, computers propulsion units and feedback
- Understand the concept of redundancy
- Understand the DP modes of control
- Describe the operation of sensors and common position reference systems
- Describe propulsion units , types and configurations
- Understand power supply, redundancy and management
- Practice communication and watch handover procedures

### TARGET GROUP

**Number of Candidates :** a maximum of eight students per class being taught by one instructor. If more than eight students are enrolled on the course, a second instructor will be required to assist with practical exercises...

#### Course Languages and Course Material: English

English language is the language used for the training standard. Knowledge, understanding and speaking of English language is a minimum requirement to enter into the course. IMAT centre reserves the right to reject students if they do not meet the minimum language level to be admitted in the DP course, without any refund.

### CONTENT

- Definition of DP, elements of the DP system, DP systems redundancy, and Class Requirements
- Functions of the DP system, and DP principles
- Different types of DP vessels and DP operations, sensors and use of sensor inputs
- Introduction to position reference systems and the DP system's use of position measurements
- Vessel capability, DP consequence analysis and DP capability analysis
- Thrusters and manoeuvring systems
- Power systems and Blackout Prevention
- Operational procedures for DP operation, and procedures for operating the DP system
- Study of DP incidents
- Principal use of the DP system

### DOCUMENT FOR TAKE/RETAKE INDUCTION BASIC COURSE

- STCW Certificate (OOW Certificate) Regulation II/1-II/2-II/3 Deck and Engine, III/6 for ETOs (original)
- For CADET (Cadet: is the person who is in training to obtain the STCW Certificate of Competence) Cadets should present proof such as a LETTER from the company employing them or the college indicating that they are on STCW training before joining the Induction course (original)
- Seaman's Book (original) or Seafarer ID
- English Dictionary for online examination
- Passport , Personal and active e-mail address
- N.I.P. Code or Tax Identification

In order to issue the new logbook to the student who has passed the online examination must present to the Training Centre with the following additional documents:

- 2 photo size: 35mmx45mm (to insert in the DP Logbook issued by Centre)



# DP INDUCTION COURSE

## NAUTICAL INSTITUTE DP OPERATOR CERTIFICATE SCHEME



### Equipment layout

The training is performed at Desktop Operator Stations which comprise an DP Operator Panel connected to a standard Personal Computer. A typical configuration is with 6 up to 9 DP Operator Stations (Kongsberg SDP or K-pos) N.I. Class "C" simulator arranged in a classroom with an instructor PC based desktop DP Trainer Station. By means of a video switch and a projector, the instructor can show both his own and the student DP display on a video projector for assessment. All Stations normally simulate the same vessel and DP system configuration but operate independently of each other.



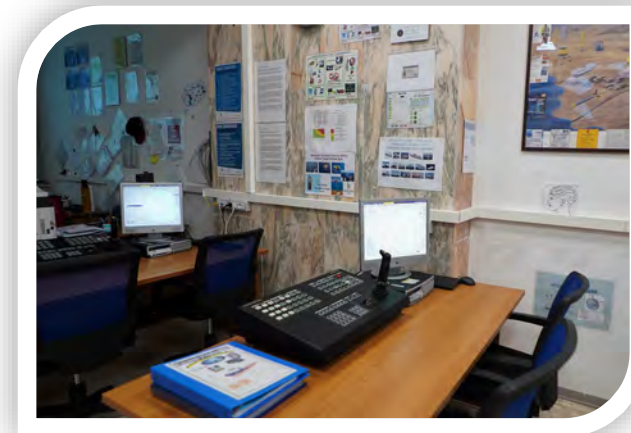
K-pos DP



Classroom



Ship Model  
6° degree of freedom



Kongsber SDP

### For More information:

Course Cost email to [info@imat2006.it](mailto:info@imat2006.it)

See Facility information included in the welcome pack (Accommodation/Transport/Restaurant services)

[Or Visit our website](#)

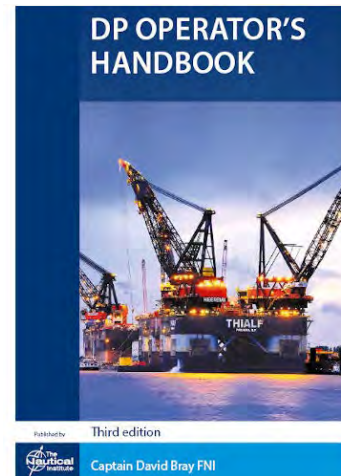
# MORE INFORMATION

Consult the following link for more information about dynamic positioning



Before start the NI DPO Certification scheme is recommend to buy the NI Handbook Practical guide available on:

<https://www.nautinst.org/shop/dp-operator-s-handbook-3rd-edition.html>



*Recommended web link:*

<https://www.nialexisplatform.org/>

<https://www.nautinst.org/>

<https://www.imca-int.com/>

<https://dynamic-positioning.com/>

<https://www.ocimf.org/>



IMAT - Operating Center	IMAT - Legal Center
Viale degli Oleandri, 1 – Castel Volturno (CE)	Via Riviera di Chiaia, 287 - 80121 - Napoli
Web: <a href="http://imat2006.it">imat2006.it</a> tel. +39 81-5099303 , fax. +39 81-5099487 Tel. +39 3498240277 Email <a href="mailto:info@imat2006.it">info@imat2006.it</a>	

# DP SIMULATOR COURSE

## NAUTICAL INSTITUTE DP OPERATOR CERTIFICATE SCHEME



### ENTRY REQUIREMENTS

The course is a key element of the DPO training programme. As such participants will have completed the Induction Course and gained the specified experience before enrolment (Phase B and Task Section dated and signed on DP Logbook).

The minimum qualification is set at STCW Regulation II/1 - II/2 - II/3 Deck, Regulation III/1 - III /2 - III/3 - III/6 Engine and Regulation III/6 for ETOs and

Prospective DPO (cadet), who are in the process of training for an STCW certificate.

You must apply for the NI certificate no later than 5 years after completing the DP Induction course.

See also: <http://www.imat2006.it/> Offshore Area

### COURSE DESCRIPTION

After the course, the successful participants are able to:

- Carry out operational planning, risk assessment and hazard identification tasks
- Set up the DP system for a particular task
- Operate the communications
- Analyze the trends
- Discuss systems failures
- Decide on courses of action because of systems failures
- React to alarms and printer readout
- Initiate DP Alert status alarms
- React to all events occurring
- Operate the desk under normal and pressured conditions
- Practice effective teamwork
- Apply the lessons learned to date
- ASOGs

### CONTENT

- Study of DP incidents
- Construction and use of work site diagrams, charts and vessel templates for use in DP operations
- Preparation of plans for a projected DP operation, contingency plans for expected deviations and emergencies
- Participation in simulated situations in a variety of DP operations while handling routine and emergency situations
- Risk and safety analysis, and defining DP equipment classes
- The DP system's utilization of position measurements, and tests on position reference systems

### DOCUMENT FOR TAKE/RETAKE SIMULATOR ADVANCED COURSE

- STCW Certificate (OOW Certificate) Deck and Engine, III/6 for ETOs (original)
  - Seaman's Book (original) Seafarer ID
  - English Dictionary for online examination
  - Passport , e-mail address registered at Nautical Institute and N.I.P. Code or Tax Identification
  - Original DP Induction Basic Course Certificate (not older than 5 years)
  - Original DPO LOGbook
- Notes:
- for those has started the DP Training Scheme BEFORE January 2015 with Green/Blue/Black DP Logbook: Original Green/Blue/Black DP LOGBOOK with Section B and Section C completed (a minimum of 30 days documented seagoing familiarization on a DP capable vessel. There must be no more than six years between the DP Simulator Operator Course and the DP Induction Operator Course).
  - for those has started the DP Training Scheme FROM January 2015 with Grey DP Logbook: Original Grey DP LOGBOOK with Phase B and Task Book Section completed. (There must be no more than five years between the DP Simulator Operator Course and the DP Induction Operator Course)

# DP SIMULATOR COURSE

## NAUTICAL INSTITUTE DP OPERATOR CERTIFICATE SCHEME



### CERTIFICATE

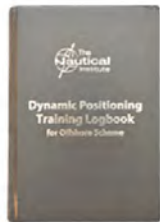
The DP Simulator course is the third phase of the Nautical Institute (NI) DP Operator Certification Scheme.

An Operator Simulator (Advanced) certificate will be issued on successful completion of the course, the course will be registered on DP Logbook. STCW Part B1 - Guidance on the Training and Experience for Personnel Operating Dynamic Positioning Systems

Training of Dynamic Positioning (DP) operators is conducted according to Nautical Institute's (NI) certification scheme in a five phase program:

- 1) DP Induction course + Online Exam,
- 2) OnBoard Training, 60 days (Active/passive)
- 3) DP Simulator Course + Practical & Online Exam,
- 4) OnBoard watchkeeping Experience, 60 days (Active)
- 5) Concluding with final candidate Master/SD assessment and Application Online (nialexisplatform.org)

All of the five phases are witnessed and recorded by entries in a DP trainee logbook.



### LEARNING PROCESS

The training will be a combination of theoretical lessons and practical exercises. The participants will work with practical scenarios based on real operations, training on planning and executing specified operations under varying simulated conditions, including emergency handling

### DURATION & TIME TABLE

The Course is total 5 days (28 hours theoretical and practical lesson) included a final assessment the last day

Day 1: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)

Day 2: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)

Day 3: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)

Day 4: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)

Day 5 :from 8.30 Final Online NI Assessment

### TARGET GROUP

**Number of Candidates** attending the Simulator Course must be regulated so that each student obtains sufficient hands-on experience of operating the system when having to react to various failure scenarios.

In order to achieve this, the NI allows a maximum ratio of four students taught by one instructor per one Class B or A Simulator.

By exception, and where justified, a ratio of five or six students may be considered

### Course Languages and Course Material: English

English language is the language used for the training standard. Knowledge, understanding and speaking of English language is a minimum requirement to enter into the course. IMAT centre reserves the right to reject students if they do not meet the minimum language level to be admitted in the DP course, without any refund.

# DP SIMULATOR COURSE

## NAUTICAL INSTITUTE DP OPERATOR CERTIFICATE SCHEME



### ASSESSMENT

DP Simulator Course has a three part assessment process:

- 1.1. DP Set Up Practical Assessment, undertaken as course progresses. This must be successfully completed and competence to perform tasks is a requirement to pass the course.
- 1.2. Online Exam at completion of course which needs to be passed.
- 1.3. Formative Assessment, which is a feedback given to students throughout the course. This may vary from centre to centre but should consist of :
  - (i) briefing, consisting of Scenario Objects (SMART) and feedback criteria (how to measure a participants obtaining a correct level)
  - (ii) debriefing, consisting of two parts, feedback from students and feedback from the instructor, specifically after simulator exercises.

### TRAINING CANCELLATION, REFUNDS AND RESCHEDULING POLICY

Student may reschedule or cancel a course registration within 14 days before the course starting at no charge. Cancellation within 7 days of the scheduled course, the student is not entitled to any refund; however, the customer may elect to send a substitute Attendee to fill that registration. Student has to confirm the course, within 7 days of the scheduled course, and communicate the arrival details to the center. Without the above confirmation, IMAT reserves the right to cancel the reservation.

IMAT reserves the right to reschedule the Attendee for another Training course.

IMAT reserves the right to amend or cancel the date, time and location of a Training Class at any time, and for any reason, including but not limited to, when the Training Course does not meet the minimum enrollment level, or replacement of personnel who may be scheduled to deliver the Training course. In the event a Training Course is cancelled, the Customer is entitled to a full refund.

### ONLINE ASSESSMENT

In order to be awarded a certificate of completion for the Simulator Course the trainee must pass an online assessment at the training centre. The exam is composed of multiple choice questions and shall be completed in 1 hour. The online assessment will consist of 30 questions and shall be completed in one hour with a pass mark of 70%. Students who fail at the first attempt are allowed to have another two attempts within six months of the first attempt; however, the second attempt must be undertaken within 96 hours of the first attempt. Failing these three initial attempts, the student is required to repeat the Simulator Course and undertake the assessment again.

### PRACTICAL ASSESSMENT

Each candidate is required to demonstrate their competence to perform the tasks listed in the DP Set-up Practical Assessment Table.

The Control Sheet establishes the conditions under which the practical assessment occurs and the criteria against which the student's performance will be measured.

10.1. The simulator Assessment Form for the practical assessment is to be used by the instructor/assessor when conducting assessments of the practical skills demonstration on the simulator.

10.2. The instructor/assessor will observe how the candidate demonstrates the skills listed in the NI's DP Set-up Practical Assessment Table and determine if the candidate passes or fails.

# DP SIMULATOR COURSE

## NAUTICAL INSTITUTE DP OPERATOR CERTIFICATE SCHEME



### Equipment layout

Kongsberg Polaris 360° degree view Class B or A Simulator - SDP21

Navitrainer Wartsila 360° Degree view Class A Simulator - Navis4000 DP2



Kongsber Polaris – 360° view



NaviTrainer Warsila – 360° view

### For More information:

Course Cost email to [info@imat2006.it](mailto:info@imat2006.it)

See Facility information included in the welcome pack  
(Accommodation/Transport/Restaurant services)

[Or Visit our website](#)



# MORE INFORMATION

Consult the following link for more information about dynamic positioning



Before start the NI DPO Certification scheme is recommend to buy the NI Handbook Practical guide available on:

<https://www.nautinst.org/shop/dp-operator-s-handbook-3rd-edition.html>



*Recommended web link:*

<https://www.nialexisplatform.org/>

<https://www.nautinst.org/>

<https://www.imca-int.com/>

<https://dynamic-positioning.com/>

<https://www.ocimf.org/>



IMAT - Operating Center	IMAT - Legal Center
Viale degli Oleandri, 1 – Castel Volturno (CE)	Via Riviera di Chiaia, 287 - 80121 - Napoli
Web: <a href="http://imat2006.it">imat2006.it</a> tel. +39 81-5099303 , fax. +39 81-5099487 Tel. +39 3498240277 Email <a href="mailto:info@imat2006.it">info@imat2006.it</a>	

# DP REVALIDATION COURSE

## NAUTICAL INSTITUTE DP OPERATOR CERTIFICATE SCHEME



### ENTRY REQUIREMENTS

DPO certificate issued by The Nautical Institute. Revalidation Course may be completed up to 6 months before the revalidation date set by The NI and will be valid for a period of 12 months only.

If the participant is completing the course for the first time, there is no minimum DP sea time requirement. If the participant is completing the course for a second or subsequent time, a minimum of 28 days DP sea time will be required to revalidate. This DP time may be completed prior to or after the revalidation course.

See also: <http://www.imat2006.it/> Offshore Area

### COURSE DESCRIPTION

The course is intended for those who have already been issued a DPO Certificate from the NI but are unable to revalidate their DPO Certificate if they have not gained sufficient DP sea time. The overall course aim is to update the DPOs with the latest rules and regulations, position references and sensors, known DP incidents and lessons learned. At the end of the course, the student should:

- Have acquired knowledge of the latest rules and regulations
- Have acquired knowledge of the latest developments within sensors and PRS
- Have acquired knowledge of the latest relevant DP incidents and why they occurred
- Be able to recognise the various alarm, warning and information messages
- Carry out operational planning, risk assessment and hazard identification tasks
- Set up the DP system for a particular task/operation
- Decide on courses of action because of systems failure

### CONTENT

- Study of DP incidents
- Construction and use of work site diagrams, charts and vessel templates for use in DP operations
- Preparation of plans for a projected DP operation, contingency plans for expected deviations and emergencies
- Participation in simulated situations in a variety of DP operations while handling routine and emergency situations
- Risk and safety analysis, and defining DP equipment classes
- The DP system's utilization of position measurements, and tests on position reference systems

### DOCUMENT FOR TAKE/RETAKE SIMULATOR ADVANCED COURSE

- DPO CERTIFICATE: UNCLASSIFIED or LIMITED or UNLIMITED (original)
- DP Logbook or Revalidation Logbook (original)
- English Dictionary for online examination
- Passport
- e-mail address registered at Nautical Institute and Customer Number
- 2 photo size 35mmx45mm
- N.I.P. Code or Tax Identification Number

# DP REVALIDATION COURSE

## NAUTICAL INSTITUTE DP OPERATOR CERTIFICATE SCHEME



### CERTIFICATE

The DP Revalidation course certificate will be issued on successful completion of the course, the course will be registered on DP Logbook.  
STCW Part B1 - Guidance on the Training and Experience for Personnel Operating Dynamic Positioning Systems

### LEARNING PROCESS

Training will be split equally between theory and practical exercises. Theory may be used to support the practical exercises either as a briefing, a de-briefing or for demonstration purposes.

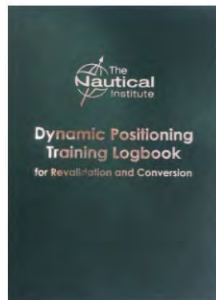
### DURATION & TIME TABLE

The Course is total 5 days (34 hours theoretical and practical lesson) included a final assessment the last day  
Day 1: from 8.30 to 13.00 - 14.00 to 16.45 coffee break 15'/Lunch 13:00 to 14:00 included)  
Day 2: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)  
Day 3: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)  
Day 4: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)  
Day 5 :from 8.30 to 13.00 - 14.00 to 16.45 with Practical and Online Assessment (coffee break/Lunch included)

### ASSESSMENT

The assessment for the Revalidation Course includes a theoretical (NI online) exam and a practical assessment. Each component must be completed successfully. There is no specific order in which they must be completed. After the course is completed, an entry will be made in the appropriate logbook.

The Nautical Institute Revalidation Logbook is available for purchase at price of £\_\_\_(excluding VAT). This new logbook can be used for revalidation and conversion of a Nautical Institute DP Certificate and can be bought online here.



# DP REVALIDATION COURSE

## NAUTICAL INSTITUTE DP OPERATOR CERTIFICATE SCHEME



### TARGET GROUP

**Number of Candidates** The NI allows a maximum of four students per class being taught by one instructor per one Class B or A Simulator.

By exception and where justified, five or six students may be considered

### Course Languages and Course Material: English

English language is the language used for the training standard. Knowledge, understanding and speaking of English language is a minimum requirement to enter into the course. IMAT centre reserves the right to reject students if they do not meet the minimum language level to be admitted in the DP course, without any refund.

### TRAINING CANCELLATION, REFUNDS AND RESCHEDULING POLICY

Student may reschedule or cancel a course registration within 14 days before the course starting at no charge. Cancellation within 7 days of the scheduled course, the student is not entitled to any refund; however, the customer may elect to send a substitute Attendee to fill that registration. Student has to confirm the course, within 7 days of the scheduled course, and communicate the arrival details to the center. Without the above confirmation, IMAT reserves the right to cancel the reservation.

IMAT reserves the right to reschedule the Attendee for another Training course.

IMAT reserves the right to amend or cancel the date, time and location of a Training Class at any time, and for any reason, including but not limited to, when the Training Course does not meet the minimum enrollment level, or replacement of personnel who may be scheduled to deliver the Training course. In the event a Training Course is cancelled, the Customer is entitled to a full refund.

### For More information:

Course Cost email to [info@imat2006.it](mailto:info@imat2006.it)

See Facility information included in the welcome pack  
(Accommodation/Transport/Restaurant services)

[Or Visit our website](#)

### ONLINE ASSESSMENT

In order to be awarded a certificate of completion for the Revalidation Course the DPO must pass an online assessment at the training centre.

The exam is composed of multiple choice questions that have already been developed from the Basic /Induction Course and the Simulator Course. The online assessment will consist of 30 questions and shall be completed in one hour with a pass mark of 70%. Students who fail the first attempt are allowed to have another two attempts within six months of the first attempt; however, the second attempt must be undertaken within 96 hours of the first attempt. If the student fails these three attempts, they are student is required to repeat the Revalidation Course and undertake the assessment again.

### PRACTICAL ASSESSMENT

The practical assessment must be done individually. The practical assessment shall include the following items which the student must pass to be awarded a certificate of completion for the Revalidation Course:

- Complete a DP Checklist
- Set up the vessel on DP
- Move the vessel from setup position to a worksite
- Deal with a system/sensor/thruster failure or environmental change (at least two)

The student must pass all the four items listed above.

# DP REVALIDATION COURSE

## NAUTICAL INSTITUTE DP OPERATOR CERTIFICATE SCHEME



### Equipment layout

Kongsberg Polaris (360° Degree view) - NI Class B or A Simulator - SDP21 DP2

Navitrainer Wartsila (360° Degree view) - NI Class A Simulator - Navis4012/22 DP2



Kongsber Polaris – 360° view



NaviTrainer Warsila – 360° view

### For More information:

Course Cost email to [info@imat2006.it](mailto:info@imat2006.it)

See Facility information included in the welcome pack (Accommodation/Transport/Restaurant services)

[Or Visit our website](#)

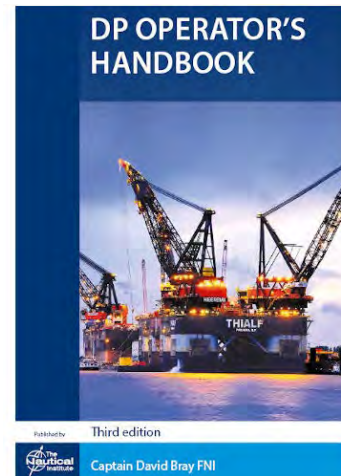
# MORE INFORMATION

Consult the following link for more information about dynamic positioning



Before start the NI DPO Certification scheme is recommend to buy the NI Handbook Practical guide available on:

<https://www.nautinst.org/shop/dp-operator-s-handbook-3rd-edition.html>



*Recommended web link:*

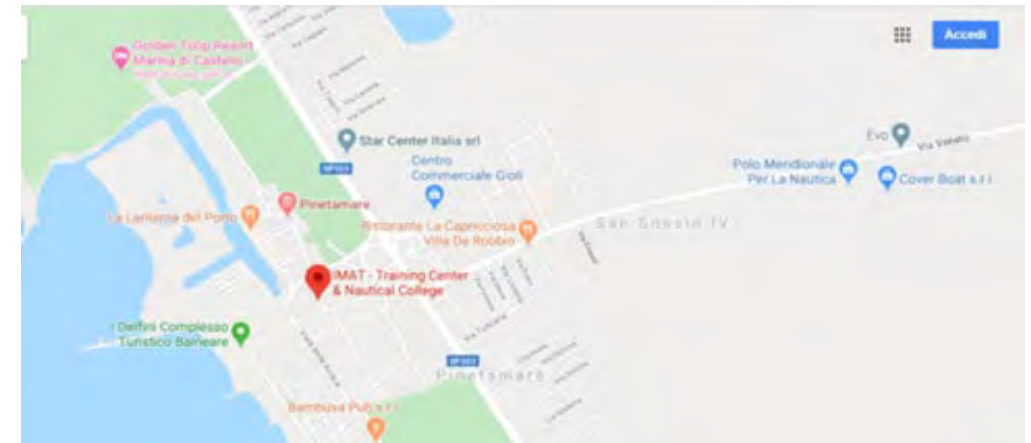
<https://www.nialexisplatform.org/>

<https://www.nautinst.org/>

<https://www.imca-int.com/>

<https://dynamic-positioning.com/>

<https://www.ocimf.org/>



IMAT - Operating Center	IMAT - Legal Center
Viale degli Oleandri, 1 – Castel Volturno (CE)	Via Riviera di Chiaia, 287 - 80121 - Napoli
Web: <a href="http://imat2006.it">imat2006.it</a> tel. +39 81-5099303 , fax. +39 81-5099487 Tel. +39 3498240277 Email <a href="mailto:info@imat2006.it">info@imat2006.it</a>	

# DP AWARENESS COURSE

## for Non-STCW candidates

### ENTRY REQUIREMENTS

No special previous competence required.

### TARGET GROUP

For those who do not fit into the STCW regulation, such as Ballast Control Operator, Barge Supervisor or Offshore Managers, Shore based personnel, Technical inspectors, fleet managers and other office or client personnel who have a need for general knowledge about dynamic positioning, and/or other non-Certificate of Competence qualified operators.

Training centres accredited by the NI will be authorised to accept them into the Induction Course under the following conditions:

- The Induction Course has to be delivered with a new title such as 'DP awareness' and not Induction Course as it states in the NI DP scheme; the NI asks centres not to use any name for the new course that might create confusion or similarity with the DP scheme. Example: DP Familiarisation.
- The certificate for this course (DP Awareness) cannot have the logo of the NI on it.
- These students cannot obtain the NI DP logbook after the course.
- These students cannot do the NI online assessment after the DP Awareness Course as the assessment is only applicable for those who are part of the NI DP scheme.

### Course Languages and Course Material: English

English language is the language used for the training standard. Knowledge, understanding and speaking of English language is a minimum requirement to enter into the course. IMAT centre reserves the right to reject students if they do not meet the minimum language level to be admitted in the DP course, without any refund.

### DOCUMENT FOR TAKE/RETAKE AWARENESS COURSE

- Valid Personal Document
- N.I.P. Code or Tax Identification Number
- Professional Certificate in Offshore industry
- IMCA Logbook (if applicable)



### COURSE DESCRIPTION

After the course, the successful participants are able to:

- Define the principles of DP
- Recognise the component parts of a DP system
- Understand the relationship between vessel movement, position reference systems, sensors, computers, propulsion units and feedback
- Understand the concept of redundancy
- Understand the DP modes of Control
- Describe the operation of sensors and common position reference systems
- Describe the operation of computers
- Describe propulsion units, types and configurations
- Understand power supply, redundancy and management
- Practice communication and watch handover procedures.

### CONTENT

- Definition of DP, elements of the DP system, DP systems redundancy, and Class Requirements
- Functions of the DP system, and DP principles
- Different types of DP vessels and DP operations, sensors and use of sensor inputs
- Introduction to position reference systems and the DP system's use of position measurements
- Vessel capability, DP consequence analysis and DP capability analysis
- Thrusters and manoeuvring systems
- Power systems and Blackout Prevention
- Operational procedures for DP operation, and procedures for operating the DP system
- Study of DP incidents
- Principal use of the DP system

# DP AWARENESS COURSE

for Non-STCW candidates

## LEARNING PROCESS

The training will be a combination of theoretical lessons and practical exercises. During the course each participant will have his own DP operator station with generic DP software.

## DURATION & TIME TABLE

The Course is total 4 days (28 hours theoretical and practical lesson) included a final assessment the last day

Day 1: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)

Day 2: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)

Day 3: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)

Day 4: from 8.30 to 13.00 - 14.00 to 16.45 Final Centre Assessment (coffee break/Lunch included)

## ASSESSMENT

The participants knowledge will be checked by IMAT Centre internal assessment system.

Practical Assessment: Not applicable



## CERTIFICATE

Certification of attendance will be issued.

The certificate for this course (DP Awareness)

cannot have the logo of the NI on it

## For More information:

Course Cost email to [info@imat2006.it](mailto:info@imat2006.it)

See Facility information included in the welcome pack  
(Accommodation/Transport/Restaurant services)

[Or Visit our website](#)



## Equipment layout

The training is performed at Desktop Operator Stations which comprise an DP Operator Panel connected to a standard Personal Computer. A typical configuration is with 6 up to 9 DP Operator Stations (Kongsberg SDP or K-pos) N.I. Class "C" simulator arranged in a classroom with an instructor PC based desktop DP Trainer Station. By means of a video switch and a projector, the instructor can show both his own and the student DP display on a video projector for assessment. All Stations normally simulate the same vessel and DP system configuration but operate independently of each other.



## TRAINING CANCELLATION, REFUNDS AND RESCHEDULING POLICY

Student may reschedule or cancel a course registration within 14 days before the course starting at no charge. Cancellation within 7 days of the scheduled course, the student is not entitled to any refund; however, the customer may elect to send a substitute Attendee to fill that registration. Student has to confirm the course, within 7 days of the scheduled course, and communicate the arrival details to the center. Without the above confirmation, IMAT reserves the right to cancel the reservation.

IMAT reserves the right to reschedule the Attendee for another Training course.

IMAT reserves the right to amend or cancel the date, time and location of a Training Class at any time, and for any reason, including but not limited to, when the Training Course does not meet the minimum enrollment level, or replacement of personnel who may be scheduled to deliver the Training course. In the event a Training Course is cancelled, the Customer is entitled to a full refund.



# DP FAMILIARIZATION (AWARENESS) COURSE

Course content in line with the latest IMCA Guidelines



## ENTRY REQUIREMENTS

A generic DP familiarisation course is primarily for personnel requiring an understanding and awareness of DP operations but who otherwise would not be expected to operate the DP control system.

No special previous competence required.

## TARGET GROUP

In accordance with the latest IMCA Guidelines IMCA 117:A generic DP familiarisation course is primarily for personnel requiring an understanding and awareness of DP operations but who otherwise would not be expected to operate the DP control system.

This guideline reflects the recognised industry standard for the training, competence and experience required of all key DP personnel on dynamically positioned (DP) vessels. IMCA 117 Rev.2 September 2016 Appendix 3

## Course Languages and Course Material: English

English language is the language used for the training standard. Knowledge, understanding and speaking of English language is a minimum requirement to enter into the course. IMAT centre reserves the right to reject students if they do not meet the minimum language level to be admitted in the DP course, without any refund.

## DOCUMENT FOR TAKE/RETAKE AWARENESS COURSE

- Valid Personal Document
- N.I.P. Code or Tax Identification Number
- Professional Certificate in Offshore industry
- IMCA Logbook (if applicable)

## COURSE DESCRIPTION

The training course should provide the trainee with:

- an understanding of how the DP control system, vessel sensors and position references operate;
- an understanding of redundancy and the importance of the DP system's component parts;
- an understanding of how the DP system is tested and verified against the FMEA;
- a knowledge of the types of DP station keeping events that have occurred;
- an understanding of redundancy as applied to the DP system;
- a knowledge of the rules, regulations and guidelines relevant to DP and where these can be obtained.

## CONTENT

The training course should detail the following:

- a definition of DP, the six degrees of freedom and the DP control function;
- elements of a DP system; power generation, power distribution, power management, thrusters, DP control system, sensors, communications and the operators;
- details of elements of the DP control system including processors, control consoles, and position, heading, vessel and environmental sensors;
- the use of position reference sensors;
- the concept of power and thrust limiting by the DP control system, the PMS and the thrusters;
- types of thrusters and manoeuvring systems;
- the requirement and provision of redundancy in vessel's systems and defining DP equipment classes;
- applying risk analysis and safe working limits to various operations;
- assessment of vessel capabilities with respect to environmental conditions, shallow and deep water etc. Use of the consequence analysis, when planning and during operations;
- FMEA, proving trials, annual trials and mobilisation trials;
- case histories, based on DP incidents that have occurred including; drift off, drive off, other losses of position caused by human factors, process, procedural, equipment failure or poor design;
- new developments in DP systems including position reference sensors and control systems.

# DP FAMILIARIZATION (AWARENESS) COURSE

Course content in line with the latest IMCA Guidelines



## LEARNING PROCESS

The training will be a combination of theoretical lessons and practical exercises. During the course each participant will have his own DP operator station with generic DP software.

## DURATION & TIME TABLE

The Course is total 2.5 days (15 hours theoretical and practical lesson) included a final assessment the last day

Day 1: from 8.30 to 12.45 - 14.15 to 16.45 (coffee break 30'/Lunch 13:00 to 14:00 included)

Day 2: from 8.30 to 12.45 - 14.15 to 16.45 (coffee break 30'/Lunch 13:00 to 14:00 included)

Day 3: from 9.00 to 12.00 - (coffee break 30'/Lunch 13:00 to 14:00 included)

## ASSESSMENT

The participants knowledge will be checked by IMAT Centre internal assessment system.

Practical Assessment: Not applicable

## CERTIFICATE

Certification of attendance will be issued.



## For More information:

Course Cost email to [ima2006@libero.it](mailto:ima2006@libero.it)

See Facility information included in the welcome pack (Accommodation/Transport/Restaurant services)

Or Visit our website

<https://www.imat2006.it/home/corsi/offshore-2/>

## Equipment layout

The training is performed at Desktop Operator Stations which comprise an DP Operator Panel connected to a standard Personal Computer. A typical configuration is with 6 up to 9 DP Operator Stations (Kongsberg SDP or K-pos) N.I. Class "C" simulator arranged in a classroom with an instructor PC based desktop DP Trainer Station. By means of a video switch and a projector, the instructor can show both his own and the student DP display on a video projector for assessment. All Stations normally simulate the same vessel and DP system configuration but operate independently of each other.



## TRAINING CANCELLATION, REFUNDS AND RESCHEDULING POLICY

Student may reschedule or cancel a course registration within 14 days before the course starting at no charge. Cancellation within 7 days of the scheduled course, the student is not entitled to any refund; however, the customer may elect to send a substitute Attendee to fill that registration. Student has to confirm the course, within 7 days of the scheduled course, and communicate the arrival details to the center. Without the above confirmation, IMAT reserves the right to cancel the reservation.

IMAT reserves the right to reschedule the Attendee for another Training course.

IMAT reserves the right to amend or cancel the date, time and location of a Training Class at any time, and for any reason, including but not limited to, when the Training Course does not meet the minimum enrollment level, or replacement of personnel who may be scheduled to deliver the Training course. In the event a Training Course is cancelled, the Customer is entitled to a full refund.

# DP MAINTENANCE COURSE

The purpose of this course is to provide Dynamic Positioning Technical training to a standard adequate to fulfil the requirements of the industry and of the various legal bodies and institutions involved.



## ENTRY REQUIREMENTS

General knowledge of electronics and computer-based control systems.

See also: <http://www.imat2006.it/> Offshore Area

## COURSE DESCRIPTION

Learn to identify faulty units and exchange these with spares from stock on board and bring the DP system back into operation. Receive introduction to system documentation in order to perform periodic maintenance, and to communicate with service personnel when assistance is needed

## TARGET GROUP

Recommended : STCW III /2 - III/3 - III/6 Engine and Regulation III/6 for ETOs ; Electrical/electronic engineers and maintenance personnel who are responsible for the daily or periodic maintenance of the DP system.

### Course Languages and Course Material: English

English language is the language used for the training standard. Knowledge, understanding and speaking of English language is a minimum requirement to enter into the course. IMAT centre reserves the right to reject students if they do not meet the minimum language level to be admitted in the DP course, without any refund.

## CONTENT

The training will follow the programme as outlined by the manufacturer of the DP system, which follows the recommendations contained in The International Marine Contractors Association (IMCA) guidelines and IMO STCW - Section B-V/F\* (4.) Outlining the national and international rules and regulations valid for Dynamic Positioning operations  
Technical knowledge of the computers in the DP system  
Preventive and corrective maintenance of the DP system documentation

### DOCUMENT FOR TAKE/RETAKE MAINTENANCE COURSE

- STCW Certificate (OOW Certificate) Reg. III /2 - III/3 - III/6 Engine, III/6 for ETOs (original) if applicable
- OR
- Professional Certificate in Offshore industry
- Valid Personal Document
- N.I.P. Code or Tax Identification Number
- IMCA Logbook (if used)

# DP MAINTENANCE COURSE

The purpose of this course is to provide Dynamic Positioning Technical training to a standard adequate to fulfil the requirements of the industry and of the various legal bodies and institutions involved.



## CERTIFICATE

Certification of attendance will be issued.

Course content in line with:  
IMO STCW - Section B-V/f\* (4.)  
AND

in line with the latest IMCA Guidelines:  
IMCA IMO 113 (MSC/Circ.645 June 1994)  
IMCA IMO 245 (MSC.1/Circ.1580 June 2017)  
IMCA 117 (Rev.2 September 2016)  
IMCA 182 (Rev.3 November 2018)



## LEARNING PROCESS

The training will be a combination of theoretical lessons and practical exercises. During the first part of the course participants will be taught DP principles and basic operation to better understand the purpose of the system and its peripheral equipment. Each participant will have an operator station. The main part of the course will focus on technical aspects and fault finding.

## DURATION & TIME TABLE

The Course is total 4 days (28 hours theoretical and practical lesson) included a final assessment the last day  
Day 1: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)  
Day 2: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)  
Day 3: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included)  
Day 4: from 8.30 to 13.00 - 14.00 to 16.45 (coffee break 15'/Lunch 13:00 to 14:00 included) & Final Assessment

## ASSESSMENT

The participants knowledge will be tested by IMAT Centre assessment system.

## TRAINING CANCELLATION, REFUNDS AND RESCHEDULING POLICY

Student may reschedule or cancel a course registration within 14 days before the course starting at no charge. Cancellation within 7 days of the scheduled course, the student is not entitled to any refund; however, the customer may elect to send a substitute Attendee to fill that registration.

Student has to confirm the course, within 7 days of the scheduled course, and communicate the arrival details to the center. Without the above confirmation, IMAT reserves the right to cancel the reservation.

IMAT reserves the right to reschedule the Attendee for another Training course.

IMAT reserves the right to amend or cancel the date, time and location of a Training Class at any time, and for any reason, including but not limited to, when the Training Course does not meet the minimum enrollment level, or replacement of personnel who may be scheduled to deliver the Training course.

In the event a Training Course is cancelled, the Customer is entitled to a full refund.

## For More information:

Course Cost email to [info@imat2006.it](mailto:info@imat2006.it)

See Facility information included in the welcome pack  
(Accommodation/Transport/Restaurant services)

[Or Visit our website](#)

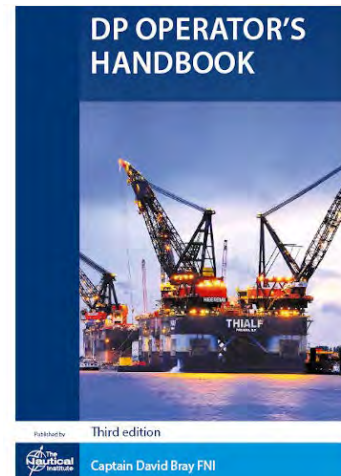
# MORE INFORMATION

Consult the following link for more information about dynamic positioning



Before start the NI DPO Certification scheme is recommend to buy the NI Handbook Practical guide available on:

<https://www.nautinst.org/shop/dp-operator-s-handbook-3rd-edition.html>



*Recommended web link:*

<https://www.nialexisplatform.org/>

<https://www.nautinst.org/>

<https://www.imca-int.com/>

<https://dynamic-positioning.com/>

<https://www.ocimf.org/>



IMAT - Operating Center	IMAT - Legal Center
Viale degli Oleandri, 1 – Castel Volturno (CE)	Via Riviera di Chiaia, 287 - 80121 - Napoli
Web: <a href="http://imat2006.it">imat2006.it</a> tel. +39 81-5099303 , fax. +39 81-5099487 Tel. +39 3498240277 Email <a href="mailto:info@imat2006.it">info@imat2006.it</a>	

**Follow us:**

