



MTS

**DYNAMIC POSITIONING
CONFERENCE**

28 – 30 September 2004

**IMPROVING THE INITIAL TRAINING
AND CERTIFICATION OF DYNAMIC
POSITIONING OPERATORS**

Ian C. Giddings

The Nautical Institute

1982



**Seminar “Dynamic Positioning
Operator Training and Qualification”
held by the North of Scotland branch
of the Institute**

**Guidelines for the Specification and
Operation of Dynamically Positioned
Drilling Vessels published by the
Department of Energy**

1983



Guidelines for the Specification and Operation of Dynamically Positioned Diving Support Vessels published by the Department of Energy and the Norwegian Petroleum Directorate (NPD)

1984



**“Dynamic Positioning Operator
Training” 1st edition published**

**First DP training centre accredited by
the Institute**

1987



M1292 “Training and Qualification of Masters and Officers of Vessels Controlled by Dynamic Positioning (DP) Systems” issued

1993

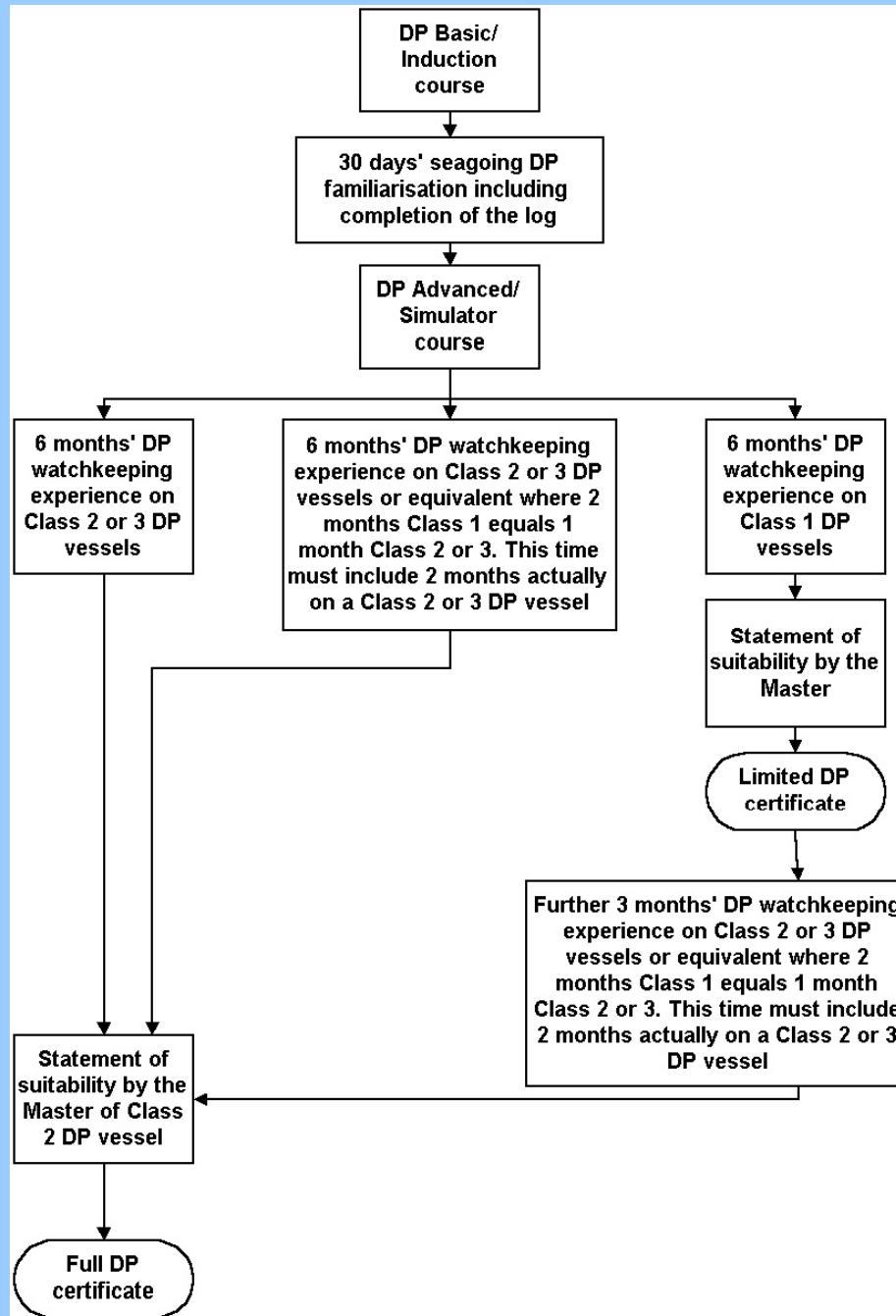


**Norwegian Maritime Directorate
(NMD) Guidelines and Notes No. 23
“Certification of DP-Operators”
published**

1994



**Limited DP Operator certificates
introduced by the Institute**



Logbook Section F



F. SUITABILITY OF OFFICER TO UNDERTAKE FULL WATCH-KEEPING RESPONSIBILITY ON BOARD A D.P. VESSEL

I, Captain _____ verify that

M _____

has completed the D.P. Operator's Log Book to my satisfaction and in my opinion is competent to undertake D.P. Watchkeeping duties, and in particular

- i) Possesses an adequate knowledge.
- ii) Knows the underlying principles of DP.
- iii) Can take control of the DP system in normal operational conditions.
- iv) Understands what to do in an emergency.
- v) Understands the operational procedures on board and can safely operate the vessel's DP system.

Operator's Signature _____

Signed _____

Date _____

Ship's stamp

On completion of the Log Book and satisfactory completion of the relevant courses a D.P. Operator's Certificate will be issued by The Nautical Institute. The Operator should forward his Log Book to:
The Education and Training Manager, The Nautical Institute,
202 Lambeth Road, London SE1 7LQ.

1996



IMO MSC/Circ.738 “Guidelines for Dynamic Positioning System (DP) Operator Training” published

International Marine Contractors Association (IMCA) M117 The Training and Experience of Key DP Personnel published

1999



**“Dynamic Positioning Operator
Training” 2nd edition published**

2001



**Reduction in required DP
watchkeeping experience through
completing extensive DP simulator
training recognised**

**Dynamic Positioning Operator
certificate database commissioned**



Reductions in the DP watchkeeping time

Simulator time	DP time exemption
37.5 hours (1 week)	8 weeks of 6 months on Class 2 or 1
22.5 hours	5 weeks on Class 1 only
15 hours	3 weeks on Class 1 only



Reductions in the DP watchkeeping time

**Not more than half DP time replaced by
intensive simulator training**

**If more than one week of intensive
simulator training at least four weeks
between simulator weeks**

**Intensive simulator training not to
replace 30 days DP familiarisation**

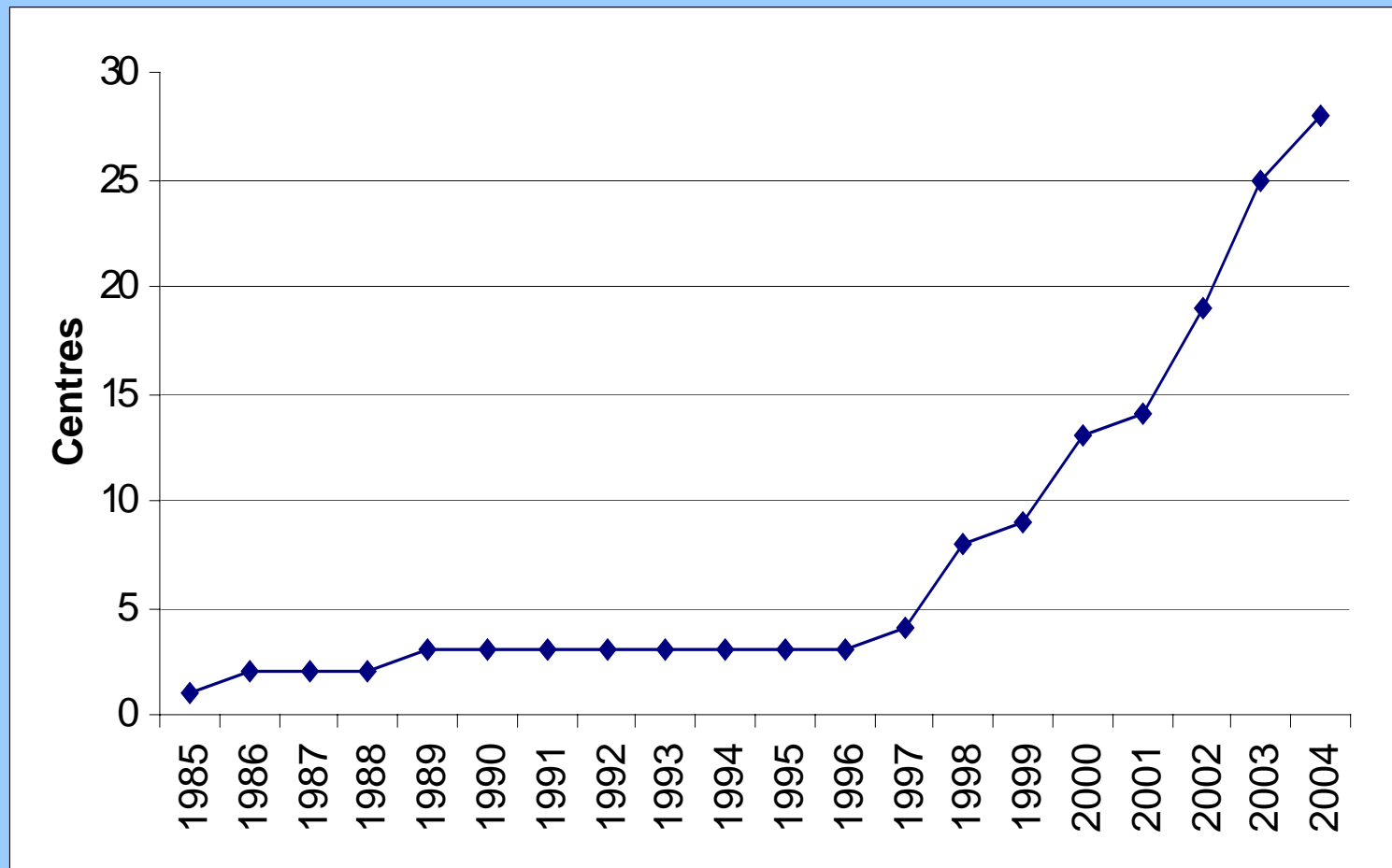


Reductions in the DP watchkeeping time

**Intensive simulator training not replace
final weeks of DP time**

**Intensive simulator training not to
count towards DP time for upgrading
from limited to full certificate**

Approved DP Operator Training Centres



DP Training Advisory Group



The Nautical Institute

Norwegian Maritime Directorate

Training provider

Regulator

Trade Association

Serving certificated DPO

Supported by a correspondence group

Progress screen for DP Operator certification



Certificates

Details | **Progress** | Logs | Certificate list

Surname Initials Status:

Cert. of competence class No.

Log received:
Log verified:
Log returned:
by
Ref.

Date	By	Note

Add
Change
Delete

Centre	Date	Signed by
DP Induction/Basic course <input type="text"/>	<input type="text" value="//"/>	<input type="text"/>
DP Simulator/Advanced course <input type="text"/>	<input type="text" value="//"/>	<input type="text"/>
Suitability sign-off Ship <input type="text"/> Class <input type="text"/>	<input type="text" value="//"/>	<input type="text"/>

Top Up Down Bottom Add Edit Delete Show live applicants Show all certificates Search Print Close

DP watchkeeping experience log screen



Certificates

Details Progress Logs Certificate list

Surname Initials

Familiarisation log Watchkeeping experience log Notes

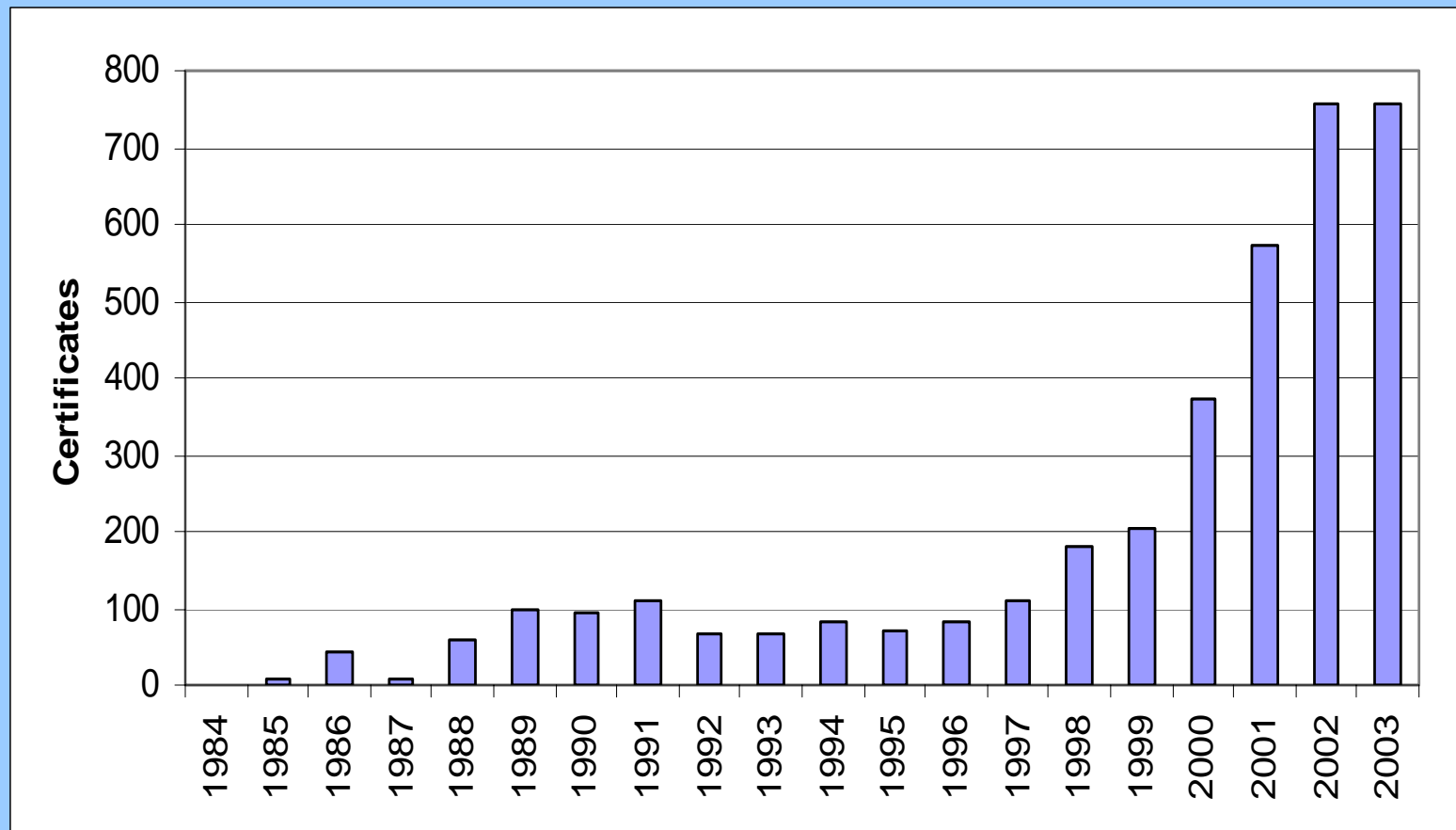
Activity	Start	End	Days	Ship	Class	Rank	Location	DP System	Signed by

Total of experience days

Add Change Delete

Top Up Down Bottom Add Edit Delete Show live applicants Show all certificates Search Print Close

DP Operator Certificates



Fraudulent certificates



- **Charge GBP30 for processing certificates not accompanied by a logbook**
- **Not accept any photocopies**
- **Require centres to submit lists of students attending during the year**
- **Investigate all deviations from the norm in logbooks**
- **Be vigilant**

2002



**Institute's Guidelines on
Accreditation and Validation
published**

**Dynamic Positioning Operator's
training logbook revised and
reprinted**

2003

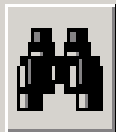


**DP vessel database development
commenced**

DP Vessel Database



▶ Number Code	<input type="text" value="395"/>
Name	<input type="text" value="ERNEST SHACKLETON"/>
Former Names	<input type="text"/>
Current System	<input type="text" value="K ADP702"/>
Previous System	<input type="text"/>
System Renewal/Upg	<input type="text"/>
Class	<input type="text" value="2"/>
Vessel Type	<input type="text" value="SUR"/>
Classification	<input type="text" value="DNV DYNPOS AUTR"/>
Record Date	<input type="text" value="02.10.2003"/>



2004



**Twenty seventh DP training centre
accredited by the Institute**

**Dynamic Positioning Operator's
training logbook revised and
reprinted**

Some thoughts



Section on PME or PRS only gives overview of common reference systems

Simulation should be as realistic as possible without losing DP focus

Completion of neither Basic/Induction nor Advanced/Simulator will produce DPO

PME/PRS course timetable example



DAY 1	INTRODUCTION
	SATELLITE-BASED SYSTEMS
	PRACTICAL EXERCISES
DAY 2	DIFFERENTIAL SYSTEMS
	PRACTICAL EXERCISES
DAY 3	HYDROACOUSTIC SYSTEMS
	PRACTICAL EXERCISES
DAY 4	SHORT RANGE SYSTEMS
	PRACTICAL EXERCISES
	WEIGHTINGS, POOLING, ALARMS
	CONCLUSION

Final thought



“Just because you’re trained for something doesn't mean you’re prepared for it.”

Anonymous