

## 전자해도시스템 (ECDIS)

Electronic Chart Display &amp; Information System

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Introduction

IMO Model Course 1.27에 따른 교육 과목 및 교수 요목을 기초로 하여 선장 및 항해사에 대하여 ECDIS 장비를 이용하여 항해계획, 항로 모니터링 등 종래 종이 해도에서 요구되던 각종 업무 수행능력을 배양하고 관련 제반 사항을 학습

Contents  
Brief

교육목표	ECDIS 활용능력 배양
교육대상	선장 및 항해사관
교육시간	5일 (40시간)
교육정원	20명
운영형태	이론 및 실습
관련규정	STCW A-II/1, IMO Model course 1.27

과목명	학습시간	학습방법	평가도구
1. Course introduction familiarization plan 2. Purpose of ECDIS 3. Value to navigation 4. Correct & Incorrect use 5. Work station start, stop & layout 36. Responsibility 37. Effective navigation with ECDIS	3.0	이론/실습	ECDIS
6. Vessel position 7. Position source 8. Base navigation 9. Heading & drift vectors 13. Sensors 14. Ports & data feeds	2.0	이론/실습	ECDIS
10. Understanding Chart data 11. Chart Quality & Accuracy 12. Chart Organization	3.0	이론/실습	ECDIS
15. Chart selection 16. Chart information 17. Changing the settings 18. Chart scaling 19. Information layers	3.0	이론/실습	ECDIS
20. System & position alarms 21. Depth & contour alarms	2.0	이론/실습	ECDIS
30. ARPA/RADAR overlay 31. AIS functions	1.0	이론/실습	ECDIS

과목명	학습시간	학습방법	평가도구
Preparation for route planning (2.0 hrs) - Review of Voyage planning (according to NP232) - Vessel settings for planning - Admiralty digital catalogue	2.0	이론/실습	ECDIS
22. Vessel maneuvering characteristics 23. Route planning by table 24. Route planning by chart 25. Track limits 26. Checking plan for safety 27. Additional Navigational Information 28. Route schedule 29. User charts in route planning	3.0	이론/실습	ECDIS
32. Procuring and installing chart data 33. Installing Chart corrections	2.0	이론/실습	ECDIS
34. System reset & backup 35. Archiving ECDIS data and data logging	2.0	이론/실습	ECDIS
Ev.1 Written Test	1.0	이론/실습	ECDIS
Ex.1 Simulator exercise - <open & coastal waters>	3.0	이론/실습	ECDIS
Ex.2 Simulator exercise - <restricted waters> (advanced integrated navigation with ECDIS)	5.0	이론/실습	ECDIS
JRC ECDIS familiarization 1 Description of the ECDIS System Configuration Description of the Display panel Chart installation and updating	3.0	이론/실습	ECDIS
JRC ECDIS familiarization 2 Route Planning Route Monitoring Setting of ECDIS, Automatic Sailing	3.0	이론/실습	ECDIS
Ev.2 Simulation Assessment (2.0 hrs)	4.0	이론/실습	ECDIS