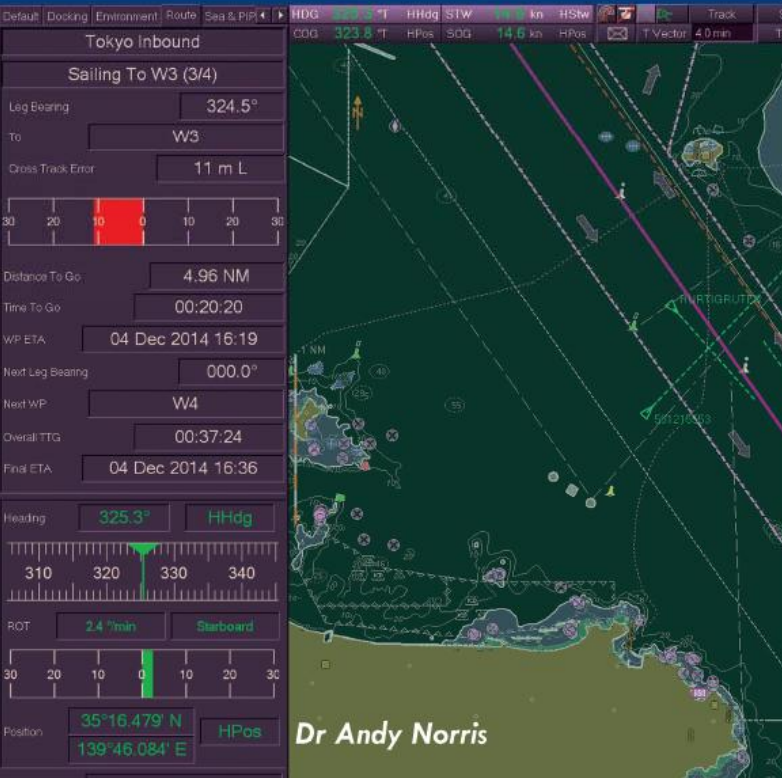




# ECDIS and POSITIONING



## ECDIS and Positioning

From 1 July 2012, the use of ECDIS becomes compulsory for certain classes of vessel. In the run up to this, over confidence is still being placed in the sole use of GPS for positioning information, mainly due to the inadequacy of training. To ease this transition, The Nautical Institute has published *ECDIS and Positioning*, the anticipated second volume of Dr Andy Norris' series, *Integrated Bridge Systems*, which provides, for the first time, a thorough grounding in all aspects of ECDIS and the use of electronic charts.

*ECDIS and Positioning* explains the key aspects to consider when assessing electronically derived positions, in a language that is readily understood by all mariners, from those undertaking watchkeeping examinations to Masters of modern vessels.

Written especially for mariners, *ECDIS and Positioning* offers guidance, with the help of over 100 full colour illustrations, on how to develop the new mindset needed to use ECDIS safely and effectively. It translates the inevitable jargon encountered when tackling the complex subject of electronic charts.

Bridge procedures and methods of navigation are completely changing through the use of ECDIS and new radar systems. In volume one of the series, *Radar and AIS*, Dr Norris builds on basic radar theory and target tracking knowledge that seagoing officers already have – while looking to the future where new technology will provide significantly enhanced performance. The books complement each other, delivering the message of technical change in clear and concise terms.

Technology will be of very little benefit in enhancing navigational safety if the watchkeeping officer is not fully trained and properly qualified in its use. The NI's own research reveals that most mariners feel that more effective training is needed. As a step towards this, these best practice guides are essential reading for all serving officers, shipowners, operators, managers and training institutions.

If you have little or no knowledge of electronic charts, *ECDIS and Positioning* is a must-read. If you have some knowledge, the book will improve your understanding and approach to the use of electronic charts. If you have good knowledge, the book's approach will make you think a little harder as to how ECDIS can improve standards of navigation.

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## About the Author



Ever since graduating in 1970 with a degree in electronics, Dr Andy Norris has been involved in the design of navigational equipment for a variety of applications. After joining Kelvin Hughes as Technical Director in 1990 his concentration has been directed towards navigation systems for merchant ships. In 1998 he set up ChartCo Ltd, which distributes maritime data, including chart updates and weather forecasts, through a dedicated satellite communications link directly to ships at sea. Since 2003 he has been an independent consultant working in the maritime navigational sector.

Through The Nautical Institute, he has steadily increased his direct contact with practising seafaring professionals. As a member of the Papers and Technical Committee of the NI he gets involved in many user issues concerning navigation technology. He attempts to bring about a better understanding between users, equipment manufacturers, training institutions and those concerned with navigation equipment standards.

He is helped in this by being involved widely in the marine navigation world. He has been Chairman of Technical Committee 80 of the International Electrotechnical Commission since 1992. This committee, in close collaboration with IMO, writes the international equipment standards for shipborne navigational and communications equipment. In this role he participates in IMO meetings determining the future requirements for shipborne equipment.

He is also a member of various UK Maritime and Coastguard Agency committees that form a UK view of future requirements. He is the author of volume one in The Nautical Institute's series on Integrated Bridge Systems – *Radar and AIS*.

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