Captain Robert Holleran, Jeppesen’s Chief Technical Pilot, has successfully completed the flight validation training course in accordance with FAA notice 8260.66 [Flight Validation of Satellite-Based Performance Based Navigation (PBN) and Special Wide Area Augmentation System (WAAS) Instrument Flight Procedures (IFP)]. This makes Captain Holleran one of only four individuals who have received this authorization, and makes Jeppesen the first and only third-party vendor authorized to flight check PBN procedures. Required Navigation Performance (RNP) falls under the overall umbrella of PBN.

Jeppesen provides a complete Performance Based Navigation programme, that includes Federal Aviation Administration (FAA) qualified AC90-101 consultants, RNP and RNAV flight procedure design, analysis of fleet missions and route structure to optimize RNP implementation strategy and simulator evaluation. Jeppesen works closely with its parent company, Boeing, on a number of PBN programmes.

“We are extremely fortunate to have someone of Captain Holleran’s calibre on board the Jeppesen team,” said Thomas Wede, senior vice president and general manager, Aviation. “His real-world experience and technical knowledge of performance based navigation is a great asset to our customers as these types of procedures become more and more common in the world’s airspace systems.”

Captain Holleran has been in the commercial aviation industry for more than 20 years and has over 13,000 flight hours with a wide variety of flying experience, including general aviation, regional turboprops and jets. He has commanded over 20 aircraft types and holds type ratings on several Boeing and Airbus aircraft. In addition to Captain Holleran’s extensive line pilot experience, he has held management positions at United Airlines and was part of the leadership team that implemented the first set of RNAV procedures in the United States. Captain Holleran’s airline management experience also includes serving as FAA part 135 and 121 certificate chief pilot and director of operations. He has worked on many industry issues in close co-ordination with regulators, manufacturers and airlines, and he regularly contributes his expertise to industry groups and rule-making committees. He is currently a member of the FAA Advisory Board for PBN, ATA
RNAV Task Force, and Captain Holleran participated on the task force for FAA Advisory Circular 90-101, Approval Guidance for RNP Procedures with SAAAR.

Through the use of modern avionics and GPS, RNP flight procedures provide operators a highly effective tool for enabling safe and efficient operations in congested airspace, challenging terrain, and adverse weather conditions.

RNP allows aircraft to navigate within very accurate corridors which reduces airport noise footprints, minimizes weather diversions and enables shorter, more efficient routes in and out of airports, thus reducing fuel burn and emissions. RNP procedures are also the foundation for continuous descent arrivals, a technique for further reducing fuel burn and noise during descent into an airport terminal area by using idle, or very low power settings from cruise altitude to the airport environment. RNP is a crucial element in the transformation of airspace toward what will eventually become a nationwide and worldwide performance-based Air Traffic Management structure.

Full RNP and PBN benefits will be realized once this structure is complete; however, vast cost reductions, efficiency improvements, and regulatory cooperation are already available to RNP operators.

**Jeppesen Marine**

Jeppesen Marine has released its spring 2009 C-Map electronic charts for North America, containing the latest new chart editions, port plans and Notice to Mariner changes from official hydrographic office sources, as well as a host of new valuable additions, such as aerial photographs of harbours and marinas.

This new release provides North American leisure sailors with thousands of specific chart changes, including aids to navigation, hazards, channel markers and other data critical to safe navigation. This updated release of the C-Map MAX cartography database for North America also includes thousands of additional aerial photographs of harbours, marinas and inlets. A popular feature, these photos can give confidence when entering an unfamiliar harbour, by providing additional visual references for aids to navigation, landmarks, topographical features and even detailed layouts for marina berths.

“A typical electronic chart title will have hundreds of changes that can affect safe navigation — which is why it is essential for boaters to update their charts at least once each year,” said Chris Cox, Jeppesen Marine North America sales and market manager. “Our annual spring and fall releases — timed for the kickoff of prime boating seasons — provide boaters with the most accurate, up-to-date charts
possible. These include all the Coast Guard Notice to Mariner and hydrographic office changes, of course, but boaters also benefit from new photos and added-value data that enhances our cartography and improves the performance of compatible OEM chart plotters.”

For example, the spring 2009 edition of the C-Map MAX Wide chart title NA-MO22 (U.S. East Coast/Bahamas) features more than 10,000 Notice to Mariner changes, 95 new charts and more than 1,350 updated charts. The addition of new aerial photographs brings the total for this one title to 2,849.

The spring 2009 cartography release is now available for C-Map MAX and NT+ charts. Updating charts is easy and affordable, especially for members of Club Jeppesen Marine. Low annual club dues include one automatic chart update each year, along with a range of other useful programmes, benefits and savings. Jeppesen Marine’s chart updating processes and affordable options for navigators were recently recognized with an Editor’s Choice Award from a leading North American boating publication.

Jeppesen Marine provides vessel operations and digital navigation services based on worldwide vector chart data type approved to ISO19879, meteorological information and transmission technologies. Jeppesen Marine offers a wide range of navigation and operations products and services to both light and commercial marine markets.