



The quality of DGPS correction signals within the port of Szczecin

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The port of Szczecin is one of the largest Polish ports. As the traffic within the port increases, there is a need for an accurate determination of ship's position in relation to the fairway limits, particularly at the night and in poor visibility. One method of accurate position determination is provided by the radionavigation system DGPS, a system commonly used at sea. It is possible to employ the DGPS system within the port of Szczecin using reference corrections transmitted from Dziwnów station. This paper presents preliminary results of research aimed at possible applications of reference corrections to the GPS from Dziwnów station for the navigation and pilotage within the port of Szczecin.