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|  | VTS31/output/2 |
|  | 17 September 2010 |

Draft letter to TNO Netherlands regarding radar modelling software CARPET

# Introduction

During VTS31, the Technical Working Group WG2 commenced a review of the “IALA Recommendation V-128 On Operational and Technical Performance Requirements for VTS Equipment”

It was recognised that due to advances in radar technology the radar signal modelling software CARPET has now become out of date and requires a major update. This is important as it is the only apparent way of validating the claims of manufacturers with respect to coverage and probability of detection.

# Text of proposed letter to TNO

Dear Sir/Madam,

The International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) produces Guidelines and Recommendations that assists Maritime Authorities and Equipment Manufacturers to specify supporting infrastructure related to Vessel Traffic Services (VTS) globally.

One of the most critical elements in these recommendations relates to the specification and selection of radar equipment, and for some years the tool referenced in the IALA Guidelines has been the TNO’s CARPET radar simulation computer programme. However, it has been noted that due to advances in radar technology the CARPET program is becoming out of date and less useful for the user community.

IALA would be grateful to know if TNO has any plans to update the CARPET software.

Yours etc.