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Technical Domain / Task Number 2 Digital Communications

Author(s) / Submitter(s) Dr Jan Šafář

VDES R-Mode Development

# Summary

The accompanying report presents results of work carried out by the General Lighthouse Authorities of the United Kingdom and Ireland to support the development of the VDES R-Mode concept.

The report presents an assessment of six candidate system architectures in terms of their ability to provide R-Mode coverage within the UK and Irish waters, the achievable positioning accuracy, likely equipment cost and other factors, and makes a number of recommendations for future work in this area.

This work is very timely as there is an opportunity to incorporate elements of R-Mode functionality into the next revision of the ITU R Recommendation M.2092 on the Technical Characteristics for VDES, expected to be published in 2020.

# Action requested of the Committee

The Committee is requested to:

1. Note the contents of the report;
2. Provide any comments on the conclusions and recommendations made from this work to the author ([jan.safar@gla‑rad.org](mailto:jan.safar@glarad.org)).

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Leave open if uncertain [↑](#footnote-ref-2)