

R-Mode roadmap (Draft IALA workshop on R-Mode 2019)

ENG10-14.3.6.3
(ENG10-3.1.26.1)

Main input is provided by ongoing R-Mode projects



Site selection & calibration;

Traffic density & R-Mode coverage

Baltic Sea testbed; prototype receiver; first monitors set up;
algorithm for position solution; coverage prediction for
several countries; Minimal stakeholder requirements

Mitigation of skywave; Transmitter near field PLL; Antenna
investigation; clock error; ASF; correction for ground wave;
IMO performance standard

Korea testbed available; impact of tides, salinity
and ice; R-Mode simulation tool; Test of
alternative MF approaches (4 CW); different MF
channel use

IEC standard

Stakeholder
requirements

System
design

System requirements



01/2020

01/2021

01/2022

01/2023

01/2024

01/2025