

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

ENAV24-6.1.23.3

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