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# Sub Working Group: Buoys and moorings

# Task Register Reference

2.1.1 Develop further guidance on plastic buoys, systems & sensors

# Summary

During the review of “Task 2.1.1 Develop further guidance on plastic buoys, systems & sensors” the group proceeded with the work on updating the 1006 guideline (plastic buoys).

# Activities

The main work was done on the chapter for polyethylene based plastic buoys. Some new chapters have been further developed:

* Overview: different construction types of polyethylene plastic buoys
* Overview: typical sizes of polyethylene plastic buoys
* multi colour possibilities
* filling
* quality control instruments
* metal parts
* ice resilience design of plastic buoys
* colour, colour fading
* buoy equipment

# Further work

Within the next meetings the work has to be proceeded on the following items:

* intercessional work on the guideline is required
* finishing the charts concerning the chapter “typical sizes”
* finishing the new chapter “extreme weather conditions”
* finishing the new chapter “hot climate conditions”
* finishing the new chapter “active radar reflector” (buoy equipment)
* finishing the new chapter “ionomer buoys”
* chromaticity, colour fading, what are the conditions to declare a buoy as “not ok” concerning the colour?
* collect pictures from the group members and add to the guideline
* bring the guideline in the new format and optimize structure
* add more information about typical radar reflection values (RCS, radar cross section)
* review and update the chapters “Glass Reinforced Plastic (GRP)” and “Polyurethane / elastomer coated foam”

# Activity Schedule and Timeline

The complete task should be finished in session ENG6.