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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 to improve the chapter for polyethylene based plastic buoys. Pictures and drawings were collected from the group and added into the guideline: Some new chapters have been further developed:

* Manufacturing the buoy body of Polyethylene buoys
* Rotational moulding process / extruding process
* Overview: different construction types of polyethylene plastic buoys
* Overview: typical sizes of polyethylene plastic buoys
* Requirements for use of plastic buoys in very hot climates
* metal parts
* mechanical properties of polyethylene
* colours in new state, colour fading: procedures how to deal with colour fading, standards, estimation of colour lifetimes
* Quality control and testing

Participants of the group gave some more information on the manufacturing of plastic buoys and the use of plastic buoys. One presentation was about synthetic mooring.

# Further work

Within the next meeting the work on the guideline 1006 should be finished. Therefore some intercessional work is required.

# Activity Schedule and Timeline

The complete task should be finished in session ENG7.