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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 checked and discussed the contents of the 1006 guideline (plastic buoys). The group started to add information into the guideline.

# Activities

The existing guideline 1006 was reviewed. The main work was done on the chapter for polyethylene based plastic buoys. Some new chapters and information were inserted:

* 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 standing design of plastic buoys
* colour, colour fading

The content of “Model Course for Aids to Navigation, Level 2 – Technician, Maintenance of Plastic Buoys, Module 1 Element 1.12” was updated according the actual state of the guideline 1006.

The updated guideline 1099 (hydrostatic design of buoys) was reviewed.

The updated guideline 1098 (application of AIS AtoN on buoys) was reviewed.

The section 3.2.6 of the navguide was reviewed.

# Further work

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

* intercessional work on the guideline is required, new template
* information about typical radar reflection values (RCS, radar cross section)
* defining quality control procedures in detail
* repairing and maintenance
* lettering methods
* review and update the chapters “Glass Reinforced Plastic (GRP)” and “Polyurethane / elastomer coated foam”
* further information to PE (standards, ...)
* working load, safe working load, ...

# Activity Schedule and Timeline

The complete task should be finished in session ENG6.