ANM17 Input

Agenda item 13

Task Number

Author Hendrik Eusterbarkey

Further guidance on the use of daymarks

# Summary

This paper provides an overview, in which IALA documents the use of daymarks is defined from the point of view of the mariner (requirements).

## Purpose of the document

To prepare a decision, if the ANM committee should produce more guidance on the **Use** of daymarks.

## Related documents

ANM17/9/10, also EEP18-11-3 Draft Guideline on Daymarks for AtoN v.3a, former draft IALA Guideline “On **Design** of Daymarks for Aids to Navigation Edition 0.2, July 2011”

# Background

The discussion on the draft *Guideline on Design of Daymarks for AtoN*, sent by the EEP Committee to ANM17 for comment, includes some navigational requirements which should be judged by ANM. The discussion at ANM17 led to the question if a specific *Guideline on Use of Daymarks* should be provided by ANM.

It was agreed to have a look into existing IALA documents and to prepare an overview, in which documents the use of daymarks is already defined.

# Discussion

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| IALA-document | Content regarding daymarks | comment | Relevance for Use of Daymarks |
| Maritme Bouyage System **MBS** | - all the general and mandatory definitions! |  | **major** |
| Guideline No. **1078**  On The Use of Aids to Navigation in the Design of Fairways, June 2011 | - the useful range of buoys at day and night should be greater than the distance between the buoys  - distances between unlit AtoN are based on their size and daytime visibility |  | **medium** |
| Guideline No. **1006**  On Plastic Buoys,  December 2008 | Nothing on navigational reqirements for colour, shape and size |  | low |
| Guideline **1051** for the  Provision and Identification of Aids to Navigation in Built-up Areas, December 2005 | Nothing on daymarks |  | low |
| Guideline **1023**  The Design Of Leading Lines, Edition 1.1,  December 2005 | E. g. in Sections  **2.7** Daymarks or Daytime Lights  **3.5.1** Recommended Daymark Length, based on the minimum visibility.  **4.2** Daymark Problem Codes  **6.12** Dayboards  **6.13** Daytime Leading Line Design Worksheet |  | **major** |
| Guideline **1015** On  Painting Aids to  Navigation Buoys  December 2005 | Not on navigational reqirement for the colour |  | low |
|  |  |  |  |
| Recommendation **O-139** The Marking of Man-made Offshore Structures,  December 2008 | - tower of every wind generator should be painted yellow all round from the level of Highest Astronomical Tide (HAT) to 15 metres or the height of the Aid to Navigation  - Additional Considerations:  Individual structures unlighted with retro-reflective areas  - and others |  | **medium** |
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| Recommendation **E-112**  On Leading Lights,  Edition 1.1, December 2005 | Nothing on daymarks |  | low |
| Recommendation **O-113** On The Marking of Fixed Bridges over Navigable Waters,  Edition 1, May 1998 | Colour and shape of daymarks defined but nothing about size and useful range |  | **medium** |

So, in existing IALA documents there seems to be less guidance on the use of daymarks, than I had expexted.

# References

All the IALA documents as already listed above

# Action requested of the Committee

The ANM Committee may consider if:

1. More guidance on the Use of Daymarks (navigational requirements) is required and, if yes,
2. This should be included in:
   1. EEP18-11-3 Draft Guideline on (the Design of) Daymarks for AtoN v.3a,
   2. A new ANM Draft Guideline on the Use of Daymarks for AtoN or
   3. Several IALA documents relating to specific systems or types of marking.