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Input paper for the following Committee(s): check as appropriate Purpose of paper:

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Agenda item [[2]](#footnote-2) 2.3.4

Technical Domain / Task Number 2 2.3.4 Update G1066 Design of floating AtoN moorings

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G1066 Formula Correction on Minimum weight of sinker for taut moorings

# Summary

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## Purpose of the document

This input paper has the purpose of informing about an error on Guideline 1066

## Related documents

G1066 The Design of Floating Aid To Navigation Moorings, Edition 1.2 May 2009.

# Background

The aforementioned Guideline gives the AtoN authority the recommendations and guidelines to design and calculate floating mooring system. One of the parameters calculated is the Minimum weight of sinker for taut moorings (eq.13) should be fixed.

# Discussion

The formula to be fixed (eq. 13, G1066, Edition 1.2 May 2009) is shown:

But should be:

This equation is deduced from the calculation of the friction force, proportional to the normal force exerted on the sinker, which is equivalent to the apparent weight of the dead body, , in the water minus the component vertical tension in the chain, :

# Action requested of the Committee

The Committee is requested to:

1. Review the proposal
2. Approve the proposal.
3. Include the modifications in the next issue.
4. ........
5. Annex Heading 1
   1. Annex heading 2
      1. Annex heading 3
6. ........
7. Appendix heading 1
   1. Appendix heading 2
      1. Appendix heading 3

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Leave open if uncertain [↑](#footnote-ref-2)