

Agenda Item 8.1

12TH MEETING OF THE AIDS TO NAVIGATION FUND COMMITTEE

Holiday Inn Singapore Orchard City Centre Hotel
Singapore, 16 – 17 April 2014

**STUDY OF AIDS TO NAVIGATION IN THE STRAITS OF MALACCA AND
SINGAPORE AND PUBLICITY ON THE AIDS TO NAVIGATION FUND**

Submitted by the ANF Committee Secretariat

Background

1. Aids to navigation (AtoNs) are indispensable to mariners and shipping companies. The ANF was set up to ensure a sustainable means to finance the maintenance and replacement of critical aids to navigation in the Straits of Malacca and Singapore (SOMS). User States of the SOMS benefit from functioning and well-maintained aids to navigation when their ships are able to navigate safely and efficiently through the SOMS.

2. There are 51 critical aids to navigation along the Traffic Separation Scheme (TSS) in the SOMS, identified under the ANF. These aids to navigation include lighthouses, light beacons and light buoys. Marine navigation, shipping patterns and vessel designs have changed over the years. Developments in technology have contributed to enhancements to situational awareness for mariners, e.g. the use of long range LED lights, Automatic Identification Systems (AIS), Differential Global Positioning System (DGPS) and Electronic Chart Display and Information System (ECDIS), electronic charts. Since the establishment of the ANF in 2007, it would be now timely to conduct a review of the 51 aids to navigation in the SOMS.

Scope and Objectives of the Study

3. The scope and objectives of the study are:

- a) A comprehensive review of the 51 AtoNs in the SOMS, which have been identified under the ANF. The review should include a factual assessment of adequacy, necessity, and other pertinent factors such as location, of the 51 AtoNs. Relevant benchmarks could include international guidelines, and comparisons with AtoNs deployed in other comparable areas (i.e. other major waterways used for international maritime transport). The review could also include feedback from users of the SOMS/ international maritime community.

The details of the methodology and data to be collected could be proposed by the entity undertaking the review.

- b) Recommendations on achieving optimisation of the AtoNs, for purposes of enhancing navigational safety in the SOMS. Recommendations, based on the results of the comprehensive review, are to be made, regarding optimisation of the 51 AtoNs. Possible areas of optimising aids to navigation in the SOMS could include introducing the Automatic Identification System (AIS) and

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Differential Global Positioning System (DGPS), or changing the number and position of AtoNs.

- c) Assess the economic benefits of fully functional AtoNs in relation to navigational safety in the SOMS. The details of the assessment methodology could be proposed by the entity undertaking the review.

Commissioning the Study: Duration, Cost and Request for Proposals

4. A study of this scope is expected to take one to two years, and the estimated cost is US\$400,000. The duration and costs will be better determined after evaluation of proposals submitted.

5. The study would be conducted by a third party expert firm/company. To solicit the best quotations, it is proposed that we carry out an open Request for Proposals process. A Request for Proposals is preferred to a Request for Quotes, so as to allow flexibility to the bidder to submit thorough proposals for the study, the deliverables, and the attendant costing.

Publicity of the ANF

6. Publicity, or a publicity project, for the ANF is also useful and timely, to raise or reinforce awareness of the benefits of vital AtoNs. It is recommended that the publicity project be undertaken after the results of the study are known, so that the ANF Committee can maximise the use of the study results for publicity. The publicity project should span publicity/outreach in the three littoral States and user States if deemed necessary.

7. The publicity project can also be commissioned to a third party public relations firm/company. Similarly, a Request for Proposal process would be an appropriate mechanism to solicit the best proposals and quotes from third party vendors.

8. Alternatively, the following conventional publicity could be taken, after the completion of the study on aids to navigation:

S/No.	Publicity Tool	Estimated Cost
1	Printing of collaterals	Production of brochures could range from less than US\$1000 (only printing cost) to US\$10,000-20,000 (which would include conceptualisation and design work). The collaterals could be distributed at industry or relevant meetings.

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2	Advertorials in trade media such as Lloyd's List and Seatrade	Basic advertisement could cost more than US\$5,000 each.
3	Engaging an agency to manage publicity of the ANF (which could include production of collaterals and advertorial buys in trade media) for a period of two years	More than US\$100,000

Funding

9. The study and the publicity project require funding. Options for funding for discussion:

- a) Special project funding from interested ANF Committee members as well as other stakeholders of the SOMS over and above ANF budget contribution, or
- b) Joint funding from ANF budget (depending on availability from budget, and approval from ANF Committee members), and special project funding from interested ANF Committee members.

For Consideration

10. The ANF Committee members are invited to discuss and consider the proposal.