

IALA COUNCIL

63rd session



13-16 December 2016
IALA Headquarters

11 – IALA TECHNICAL ACTIVITIES

11.2 – ENG

11.2.6 – Summary report of the Workshop on the Provision of Aids to Navigation Services in Extremely Hot Climates

Note by the Secretariat

1. INTRODUCTION

An IALA workshop on the subject of Aids to Navigation (AtoN) Services in Extremely Hot Climates was hosted by the Qatar Ministry of Transport and Communications, supported by Qatar Ports Company and Sealite in Doha, Qatar from 4 to 7 September 2016.

The workshop was attended by 44 delegates, representing 12 countries, 9 national members, 9 associate members, and 11 industrial members.

The full report of the workshop is available on the IALA web site at <http://www.iala-aism.org/product/workshop-aton-services-extremely-hot-climates/>.

2. PROCESS

The workshop was structured with presentations on relevant topics on day 1 and a technical study tour on day 2 followed by working group sessions on day 3. Output work was reviewed and conclusions were agreed on day 4. Certificates were presented to all participants.

Attendees enjoyed a welcome reception on day 1 hosted by Sealite, a visit to the Islamic Cultural Museum and Souq Waqif traditional market on day 2 and a workshop dinner on day 3.

3. KEY OUTPUTS FROM THE WORKSHOP

The workshop developed a draft IALA Guideline on Providing AtoN Services in Extremely Hot and Humid Climates.

The output documents were forwarded to the 5th session of the IALA ENG Committee (ENG5) for action / further development and completion.

4. CONFERENCE CONCLUSIONS

The workshop generated six conclusions.

- 1 There is an increase in average global temperature, sea level and dust, giving rise to growing challenges in AtoN provision in relation to both equipment and personnel.
- 2 There is a need for IALA guidance to identify appropriate standards for AtoN equipment for regions around the world in relation to issues such as temperature conditions, enclosure ratings, UV conditions, peak intensity specification for LED AtoN, batteries, optic service factor, thermal cap, etc. There is a number of sources of information on worldwide climatic conditions which can be referenced.
- 3 Consideration of human factors in AtoN work in extremely hot and humid environments is essential to ensure safety of personnel and productivity.
- 4 Modular replacement is an effective maintenance strategy to minimise working on station in hot climates.



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- 5 Considering that manufacturer equipment tests are conducted at 25°C, there is a need to apply above average technical specifications for AtoN equipment in hot climates.
- 6 AtoN competent authorities and service providers should work as closely as possible with the suppliers and provide them with as much accurate information as possible.

5. THE COUNCIL IS REQUESTED TO

Note the outcome of the workshop and to consider the conclusions in relation to the work of IALA.