

THE COMPETITION

In celebration of World Hydrography Day 2017, with the theme "*Mapping our seas, oceans and waterways - more important than ever*", the National Mapping and Resource Information Authority – Hydrography Branch will be hosting a series of events that promotes hydrography.

The **2017 NAMRIA Mobile Application Contest** is one of the events organized by the agency which aims to encourage students to learn more about hydrography and its applications and use their knowledge to develop applications that can be used in the fields of hydrography and oceanography.

Who can join?

- Contest is open to all senior high school students and college students in the country.
- Contestants must form a group of 2-5 members. All members should be from the same school/university.
- Only a maximum of 2 groups per school/university will be allowed.

How to join?

- Registration is free. Contestants just need to fill out and submit the online registration form which can be accessed here <https://tinyurl.com/registerappchallenge>

MECHANICS

1. The competition calls for creativity to develop innovative and useful applications. The registration form includes questions about the team's proposed application. Contestants must propose a mobile application that can be used by professionals or the public. It is highly recommended that the application serves to help NAMRIA in disseminating hydrographic or oceanographic information (see suggested apps in the latter part of this document).
2. Only ten (10) teams shall be qualified to move on to the development phase of the mobile app. Selection of qualified teams will be based on the answers they provided about the app they plan to develop. The number of qualified teams may change depending on the number of teams who registered.
3. The application must run on a mobile phone with an Android Operating System.
4. Contestants may use publicly available template and software components but final output must be an original creation of the group. The application must not violate in any way, any other entity's rights such as privacy, publicity, and intellectual property rights.
5. The 10 qualified teams must submit a documentation of their application. The format of which shall be given upon the announcement of finalists.

6. The application must not include third party trademarks such as logos and brands and copyrighted materials unless the team has secured permission to use the materials.
7. The application must not have been entered in any other competition prior to this event.
8. The application must not have been published or uploaded to the app market prior to the competition.

CRITERIA FOR JUDGING

Usefulness and Impact (50%)

How useful is the app?

Does the application address a significant problem and provide a solution for it?

Does it provide a better, more efficient method than methods used in the past?

Usability and Technical Performance (30%)

How visually appealing is the app's user interface?

How easy is it to learn and use the application?

How quickly can users perform tasks?

Does the app function with few to no errors?

Does the application have well-defined user scenarios?

How are user errors handled?

Is the app well documented?

Originality and Innovation (20%)

How unique is the application idea?

Does it have an edge over other applications with similar idea?

How did they take advantage of existing software components and templates?

PRIZES

First place	P30,000
Second place	P17,000
Third place	P8,000

COMPETITION TIMELINE

Activity	Dates to remember
Registration (online)	May 2 -21,2017
Announcement of Qualified Teams (NAMRIA Website, email, phone call)	May 26,2017
Conference for the Qualified Teams and Announcement of Finalists (Venue: NAMRIA, Taguig)	May 29,2017
Presentation of apps and submission of documentation by the Finalists (Venue: NAMRIA, Taguig)	June 26,2017
Announcement of results and awarding of winners (Venue: NAMRIA, Taguig)	July 3,2017 (Tentative)

Contact Persons:

Interested groups are encouraged to visit the Hydrography Branch, email namriamobileappchallenge@gmail.com, or contact any of the following NAMRIA Officers for more information:

	Tel. No.	email
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SUGGESTED MOBILE APPLICATIONS

1. **Philippine Notice to Mariners**

NAMRIA issues the Notice to Mariners (NTM). The NTM serves to advise mariners of important matters affecting navigational safety. At present, all the NTM are compiled and then published monthly. It is issued free of charge. The NTM is also sent thru email and twitter.

The issuance of NTM can further be improved by a mobile application showing which part of the country the navigational hazards described in the NTM are located.

2. **Philippine List of Lights**

A List of Lights is a publication describing lighthouses and other aids to maritime navigation. NAMRIA publishes the List of Lights yearly.

The availability of the List of Lights can be made more convenient by a mobile app since the data is stored in the user's smart phone and available anytime anywhere.

3. **Philippine Tides**

NAMRIA is responsible for predicting the height of tides at certain times within the country. Tide heights are important for navigators as it affects their navigational schedule. It is also useful for beachgoers in maximizing their time in the beach.

The Predicted Hourly Heights of Tides for the day are available in the NAMRIA website. In many parts of the world, their predicted heights are already available thru mobile apps since it is faster for users to view them in their smart phones rather than on desktops.