

## **APRSAF-16 Water Rocket Event – Rules for Launch Competition**

1. APRSAF-16 Water Rocket Launch Competition will be held at the National Science Museum, Thailand. All competitors should make their water rockets and launch them at the designated places.
2. All materials to make and launch water rockets, including 1.5-liter PET bottles, tools, nozzles and launchers, will be provided by the organizer.
3. Each competitor should make at least two (2) rockets, one for launch and the other as a back-up. More rockets may be made for test launches. The maximum number of rockets is four (4).
4. The competitors are encouraged to be creative in the design of the nose cones and fins of their water rockets.
5. The launch aims at precision flight of the rocket. Therefore, the rocket that lands closest to the target centre gets the best score. The distance will be measured from the centre to the point of impact.
6. At the time of launch, each competitor may adjust the volume of water and air pressure within the maximum range to be notified by the organizer.
7. Each competitor will be given an opportunity to conduct a few test launches prior to the competition.
8. During the competition, each competitor will be given opportunities to conduct two (2) launches. The result of the best launch will be recorded.
9. There will be one (1) launcher, and the competitor will launch one (1) rocket at a time. The organizer will provide the launchers for the competitors for each of their launches.
10. The organizers will announce the maximum level of air pressure that may be used by the launchers. The competitors will be allowed to adjust the following: i) launch angle; ii) launch direction; iii) volume of water; iv) air pressure up to the maximum level to be announced by the organizers.

11. The competitor who achieves the highest score, i.e. closest to the centre of the target, after two (2) launches will be declared the winner of the Launch Competition.
  
12. If more than one (1) competitor achieves the top score, the scores of the second launches will be assessed to declare the winner.