Questions and Answers: 2006 AUV Competition

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There was a surprising few who responded to the questions, so everyone will be subject to the whims of the few. No complaining allowed!

Secondary Light Frequency

It was a close vote of 2 to 1 for keeping the secondary frequency within the flashing light. Since teams have expressed they will actively be using the high frequency component, it will be left in. So for clarification, a light modulated at 7KHz will flash on and off at 7Hz.

Docking Station

Q: Are there any details regarding precisely what constitutes tipping for the docking station?
A: Basically, touching it.

Q: How many points do we get if we are able to "dock" with the light?
A: To Be Determined

Pipeline Inspection

Q: Is Station A in a straight line with the last section of the pipeline?
A: Similar to last years competition, the pipeline sections will bend toward Station A (docking) and Station C (surfacing).

Q: We love the orange pipelines! We would like to have green hatching with a line thickness of 1 inch and white space of 2 inches.
A: Well, since I haven't heard from anyone else and it seems reasonable, **orange** pipeline and bins with a 1 inch (2.54 cm) **green** hatching with a 2 inch (5.08 cm) white spacing it is!

Q: In terms of position, will the order of bins in the pipeline be up for change between runs?
A: The bin order will be changed between the practice, qualifying and final rounds.

Q: Are there any points associated with following the pipeline without dropping a marker in the bins? In random mode, do we get any points if we drop a marker in the wrong bin? How many points do we get if we drop a marker into a bin in non-random mode?
A: There will be points associated with following the pipeline which will be determined later. The point break down between random and non-random runs are as follows:

Each marker in a bin without reading the light:	500 points
Each marker in wrong bin while reading the light:	125 points
Each marker in correct bin while reading the light:	2,000 points

Surface Zone

Q: Diameter of octagons?
A: Just to be mean (see how it is when you don't pipe up), I'm going to reduce the inside octagon to a diameter of 9 ft (2.74 m) and keep the outside octagon the same at 15 ft (4.6 m)

General Questions

Q: We would like to know if the AUV's maximum weight criteria could be lowered?
A: For the 2006 competition, no, but for future years, yes. I will give at least a years notice on weight changes.