

This is an edited summary of the Zoom session on 3-April-2024. Some of the questions in Chat were not referenced when responding during the Zoom session. In future sessions, we will be sure to repeat the question dropped in Chat before we answer.

06:33:01 From Colin Szeto | Team Inspiration X Triton-Ai to Everyone:  
any suggestions/recommendations for buoyancy pods

06:33:56 From Colin Szeto | Team Inspiration X Triton-Ai to Everyone:  
for static safety inspection there is not light status system explicitly stated (will this be a requirement?)

06:36:33 From Colin Szeto | Team Inspiration X Triton-Ai to Everyone:  
will there be opportunity for additional status lights to demonstrate intervehicle communication or will we need to rely solely on logging?

06:36:45 From Minseung Kim | KMOU MACRO to Everyone:  
Are there any size restrictions on drones?

06:39:48 From Colin Szeto | Team Inspiration X Triton-Ai to Everyone:  
will the UAV need to take off from the boat on it's own power or could it be assisted with an boat side onboard launch system

06:41:12 From Yasmeen Qudsi | Bayou Bot Krewe to Everyone:  
Any details on the beacon signal?

06:41:44 From Julianna | RoboNation to Everyone:  
Replying to "Any details on the beacon signal"  
You can reference the beacon specifications appendix in the 2022 handbook:  
<https://robotx.org/2022#resources>.

06:44:48 From Krish Jain | NUMarine to Everyone:  
Can ROS2 Topics be considered as AMS activity?

06:46:40 From Krish Jain | NUMarine to Everyone:  
If not ROS2 topics what else is considered as AMS Activity?

06:47:38 From Eric | Team Minion (ERAU) to Everyone:  
Replying to "If not ROS2 topics w..."  
The 2022 handbook had a protocol for reporting the AMS activity

06:49:09 From Eric | Team Minion (ERAU) to Everyone:  
Is it possible we will be asked to dock in one bay, but shoot at a different target?

06:49:50 From Eric | Team Minion (ERAU) to Everyone:

Reacted to "Is it possible we wi..." with 👍

06:50:03 From Minseung Kim | KMOU MACRO to Everyone:

Can there be shapes other than squares?

06:50:12 From Titus | Bumblebee to Everyone:

How will the dock / obstacles be secured? Will there be issues with the targets being blown away like in Sydney?

06:50:51 From Julianna | RoboNation to Everyone:

Replying to "Can there be shapes ..."

No, we've decided that we will only have a square shape with different colors) for this task.

06:51:10 From KMOU MACRO JJY to Everyone:

How many tins should I grab???

06:51:21 From Mathis | Team Minion to Everyone:

Will the tins be located outside of both concentric circles? If so the task seems quite dangerous as landing in the water would be likely.

06:52:32 From Jorge Ortiz | MRG GaTech to Laverne | RoboNation(Direct Message):

Hi Laverne, do you know if the tin material is ferromagnetic? Thanks in advance

06:53:34 From Eric | Team Minion (ERAU) to Everyone:

Replying to "Will the tins be loc..."

Had planned to land

06:54:17 From Mathis | Team Minion to Everyone:

Can you guarantee that a tin of each colour is always going to be inside one of the circles?

06:54:33 From Minseung Kim | KMOU MACRO to Everyone:

Is the tin lid removable?

Can I damage the tin while grabbing it?

06:55:04 From Mathis | Team Minion to Everyone:

Could the tin be close to the edge then?

06:55:55 From Jit | SUTD to Everyone:

are the tins magnetic?

06:56:23 From Mathis | Team Minion to Everyone:

Can you say how far it can be to the edge? This would be a safety consideration for us because we need to adjust the accuracy of the landing then if they can be say withing 50cm of the edge

06:56:29 From Laverne | RoboNation to Everyone:

Question from Jorge at MRG GaTech: do you know if the tin material is ferromagnetic? Thanks in advance.

06:56:54 From Matthew Lee | Bumbleee to Everyone:

Are the tins the same as from 2022? if so they should be magnetic

06:57:32 From Julianna | RoboNation to Everyone:

Tins: <https://www.amazon.com/SimbaLux-Screw-Adhesive-Stickers-24-Pack/dp/B07YBGZ7BN>

06:58:36 From KMOU MACRO JJY to Everyone:

How are the sizes of helipads and object pads determined? Is the background gray?

06:59:49 From Krish Jain | NUMarine to Everyone:

Do we know what the robots look like before the task? Like a colour of the robot or something?

06:59:52 From KMOU MACRO JJY to Everyone:

Can I get a logo file without a background?

07:00:39 From Minseung Kim | KMOU MACRO to Everyone:

Can I receive latitude/longitude information for the four orange markers?

07:00:45 From Colin Szeto | Team Inspiration X Triton-Ai to Everyone:

For the static safety inspection "Buoyancy pods" is this meant to ensure entire system is surfaced in the event a ski is popped or provide more stability to prevent tipping / protect game missions

07:00:47 From Julianna | RoboNation to Everyone:

Replying to "Can I get a logo fil..."

Yes! We will upload that to the data sharing folders.

07:00:52 From Krish Jain | NUMarine to Everyone:

Will there be anything else in the area for the land task?

07:01:09 From Krish Jain | NUMarine to Everyone:

Apart from the robots and the 4 markers

07:02:45 From Matthew Lee | Bumbleee to Everyone:

If the drone lands over water on purpose (with a part of the drone submerged underwater), to be picked up by the ASV later, does it count toward a successful landing?

07:03:05 From Xu En | Bumblebee to Everyone:

Will there be a trailer provided for the competition similar to RobotX 2022?

07:03:27 From Cheri | RoboNation to Everyone:

Yes - trailers will be provided. We are using the same trailers that were used in Australia.

07:03:29 From Xu En | Bumblebee to Everyone:

Are we able to bring in outside food to the venue this year?

07:03:37 From Titus | Bumblebee to Everyone:

What is the height of the team village tent? (To ensure our ASV does not exceed that height)

07:03:45 From Cheri | RoboNation to Everyone:

Yes - outside food will be allowed.

07:04:02 From Matthew Lee | Bumbleee to Everyone:

oh yes and are there any new drone specifications this year regarding its weight and size?

07:04:49 From Xu En | Bumblebee to Everyone:

Is there a list of items provided in the team village and team operation tents?

07:05:52 From Minseung Kim | KMOU MACRO to Everyone:

Are the specifications of buoys and other items for all tasks the same as in 2022?

07:05:58 From Xu En | Bumblebee to Everyone:

Is there an estimate on the release date of the task handbook? Additionally, when can we know if HSI is included for this year competition?

07:06:59 From Colin Szeto | Team Inspiration X Triton-Ai to Everyone:

Sorry just confirming the bouancy pods are the "engine pods" (A in diagram)? as specified in the wam-v manual and not additional fenders (see attached photo)

07:08:04 From Aamir | RobotX U to Everyone:

Colin, you are correct. They are the "engine pods" as in the diagram.

07:08:07 From Cristián | Caleuche | UC to Everyone:

there will be any 220V connectors?

07:09:32 From Matthew Lee | Bumbleee to Everyone:

yes

07:09:50 From Cheri | RoboNation to Everyone:

No 220V connectors will be provided.

07:11:27 From Matthew Lee | Bumbleee to Everyone:

are there any new specifications required for the drone's weight? and size?

07:11:58 From Xu En | Bumblebee to Everyone:

Will the use of HSI/RGB be confirmed when the handbook is released?

07:12:03 From Krish Jain | NUMarine to Everyone:

Australian appliances require 220V power supply, as far as I know US uses 110V power supplies, do we need to make our own arrangements to accommodate that?

07:12:58 From Julianna | RoboNation to Everyone:

Replying to "are there any new sp..."

At the very least, it must be under 55 lbs. We will determine the size limitations beyond that with our U.S. aerial experts.

07:13:09 From Leigh McCue | George Mason to Everyone:

We're a friendly US team who will likely be roadtripping there

07:13:17 From Xu En | Bumblebee to Everyone:

Is there an estimate date where we can find out more about the shipping credits that robonation might provide?

07:13:21 From Julianna | RoboNation to Everyone:

Replying to "Will the use of HSI/..."

Yes! The decision will be made this month on whether we can accommodate the HSI in the U.S. vs the RGB approach.

07:13:24 From Leigh McCue | George Mason to Everyone:

And definitely feel we owe some pay-it-forward for all the help we got in Sydney

07:14:06 From Leigh McCue | George Mason to Everyone:

Contact info: robotx@gmu.edu

07:15:24 From Matthew Lee | Bumbleee to Everyone:

I'm assuming the poll for the HSI will also be on discord?

07:15:28 From Laverne | RoboNation to Everyone:

The recording of this presentation, will be available within the next 48 hours. Link will be on the RX webpage: [robots.org/2024](https://robots.org/2024).

07:15:48 From Xu En | Bumblebee to Everyone:

Do we need to disable our communication for our vehicles when other teams are running?

07:16:07 From Julianna | RoboNation to Everyone:

Reacted to "I'm assuming the pol..." with 👍

07:16:30 From Yasmeen Qudsi | Bayou Bot Krewe to Everyone:

Replying to "The recording of thi..."  
[robotx.org/2024?](https://robotx.org/2024?)

07:16:34 From KMOU MACRO JJY to Everyone:

Are the specifications of buoys and other items for all tasks the same as in 2022?

07:16:54 From Julianna | RoboNation to Everyone:

Replying to "Is there an estimate..."

Hoping to have the application out in the next 2 weeks! Shipping stipend amounts determined in the next month. This is our goal, based off our recent discussions.

07:16:55 From ASTA - Alex Szeto to Everyone:

We have four boat batteries at this time and mostly doing a road trip. May be able to provide backup. Team Inspiration.

07:16:57 From Jacob Smith | University of Newcastle to Everyone:

Is there a shipping credit this year, similar to this from 2022?

07:17:14 From Julianna | RoboNation to Everyone:

Replying to "Are the specificatio..."

Some will differ from Australia, but will all be listed in the handbook published this month.

07:18:03 From Yasin İbiş | Ituasteam to Everyone:

Will be any real life images or datasets of new buoys ?