# CYBATHLON 2024

## Vision Assistance Race

![Image of a blindfolded pilot](image)

## Points

Pilots can achieve 10 points per task, with a maximum of 100 points per run.

## Scoring

Pilots with the highest score and best time are rank best.

## Competition rule

Task objects which are not supposed to be manipulated are not allowed to be touched.

## Inclusion criteria

Pilots which are blind. Pilots with remaining vision, e.g. minimal light perception, will be blindfolded.

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[www.cybathlon.com](http://www.cybathlon.com)
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Tasks

1. DISH UP
   Task: Ability to pour in a drink and carry a soup plate.
   Test: Ability to handle food and drinks without spilling.

2. DOORBELL
   Task: Identify and ring the correct doorbell.
   Test: Ability to find the correct name on a composite doorbell and ring the bell.

3. EMPTY SEATS
   Task: Identify the empty seats.
   Test: Ability to find empty seats in places like on a train or in a theatre.

4. GROCERY
   Task: Find a specific product on the shelf.
   Test: Ability to find specific objects placed on a grocery shelf.

5. SIDEWALK
   Task: Cross a space without colliding with any objects.
   Test: Ability to identify and guide users around obstacles.
6. FINDER
Task: Locate and grasp a specific object from a group of other objects
Test: Ability to find the intended objects among other objects.

7. FOOTPATH
Task: Follow a path without touching the ground on the side.
Test: Ability to find the path without touching the edges.

8. COLOURS
Task: Identify sets of different colours and order them according to their gradations.
Test: Ability to identify different colours and colour gradations.

9. TOUCHSCREEN
Task: Navigate a touchscreen and order a predefined food item.
Test: Ability to manoeuvre user interfaces on touchscreens.

10. FOREST
Task: Ability to navigate a space with obstacles at different heights.
Test: Ability to detect objects at different heights to avoid collisions and injury.
For a world without barriers!

maxon