

# CYBATHLON 2024

## Vision Assistance Race



Points	Scoring	Competition rule	Inclusion criteria
<p>Pilots can achieve 10 points per tasks with a maximum of 100 points per run.</p>	<p>Pilots with the highest score and best time are rank best.</p>	<p>Task objects which are not supposed to be manipulated are not allowed to be touched.</p>	<p>Pilots which are blind. Pilots with remaining vision, e.g. minimal light perception, will be blindfolded.</p>



## 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.

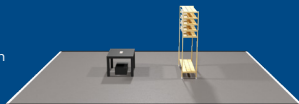
**Test:** Ability to find empty seats in places like on a train or in a theatre.



## 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.

# CYBATHLON VIS



**For a world without barriers!**

# maxon



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STADTKLOTEN