AERIAL*DRONE* COMPETITION

MISSION 2025
GRAVITY

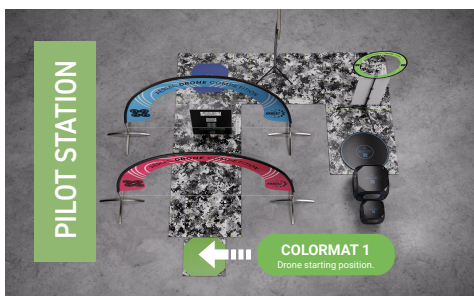## PILOTING MISSION
QUICK GUIDE

TEAMS HAVE 60 SECONDS TO COMPLETE AS MANY TASKS AS POSSIBLE. UP TO 3 FLIGHT TEAM MEMBERS ARE ALLOWED AT THE FIELD (PILOT, CO-PILOT AND VISUAL OBSERVER)

After take off, the following tasks must be completed in order

1. Complete a figure 8
2. Fly through Panel (small or large hole)
3. Fly through Yellow Keyhole Gate
4. Fly Through Green Keyhole Gate

Teams may repeat steps 1 - 4 as many times as possible in 60 seconds. Teams earn points as they complete a task.

If a Team skips or misses one of the above steps, they must go back and complete that step before attempting any other tasks.

COLORMAT 1
Drone starting position.

PILOT STATION

COLORMAT 1
Drone starting position.

SCORING

TASK	POINT VALUE	MAX ALLOWED PER MATCH*
Take off	10 Points	Once
Complete a Figure 8	40 Points	Unlimited
Fly Through Small Hole	40 Points	Unlimited
Fly Through Large Hole	20 Points	Unlimited
Fly Through Keyhole	15 Points	Unlimited
Land on Landing Pad	15 Points	Once at the end of the Match
Landing Cube - Small	40 Points	Once at the end of the Match
Landing Cube - Large	25 Points	Once at the end of the Match

*Please read scoring rules for more details about Max Allowed per Match.

Landing Points

Teams may leave the flight path to land on the Landing Pad or Landing Cube at any time. For example, if they have completed steps 1 and 2 and then leave to land, they will receive the points for step 1 and 2.

Pilot Station, Visual Observer Station and Drone Starting Position

• Pilots/Programmers and Co-Pilots must remain in the Pilot Station during the Match (rule <PM10>)
• Visual Observers may walk around the perimeter during the Match (rule <PM11>)
• Drones must start on Color Mat 1 (rule <PM9>)