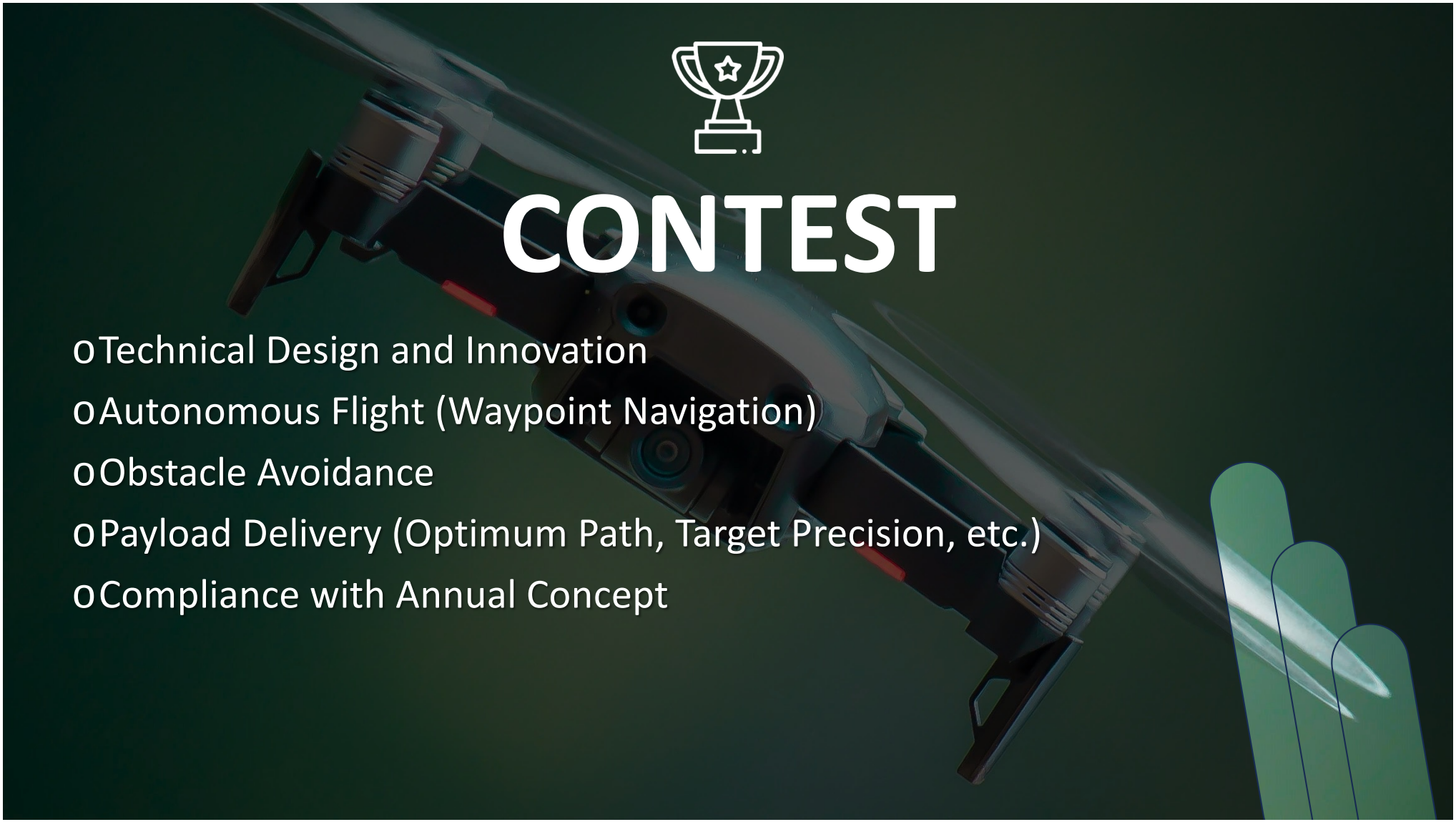
MIL-DRONE CHALLENGE

GOAL

- Stimulate innovation and applied knowledge
- Promote student collaboration
- Acquire engineering experience
- Design an innovative and operative UAV



CONTEST

- Technical Design and Innovation
- Autonomous Flight (Waypoint Navigation)
- Obstacle Avoidance
- Payload Delivery (Optimum Path, Target Precision, etc.)
- Compliance with Annual Concept

CONTEST

Six Awards:

- Gold/Silver/Bronze Champion (overall score)
- Innovation and Design
- Best Flight Performance
- Worthy Opponent (participants voting)

CONTEST

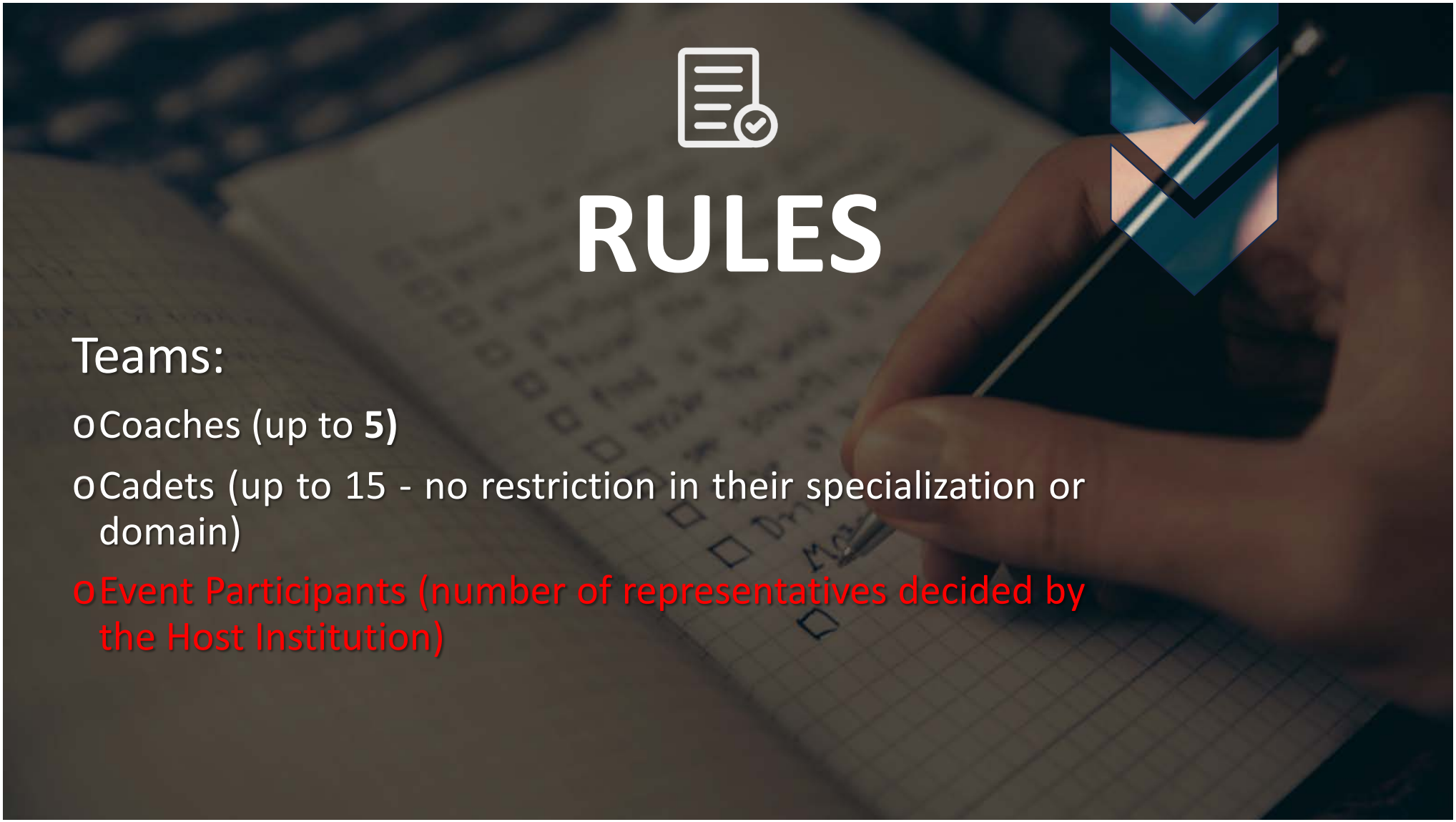
Multinational Jury:

- Five Members (Random Selection)
- Representatives from Defense or Drone Industries
- Field Experienced Officers
- Members of Academic Staff

RULES

Drone Restrictions:

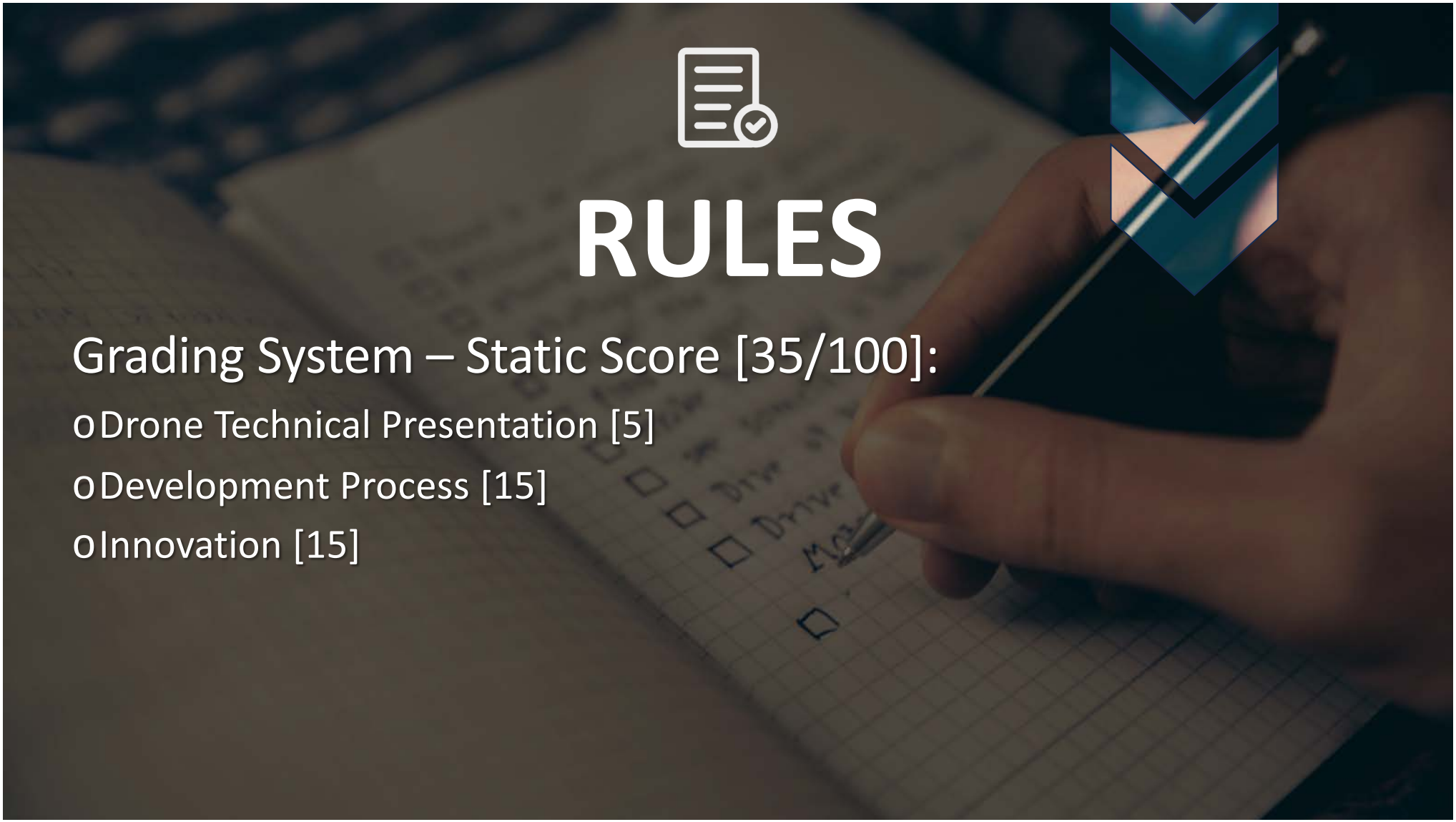
- Up to 6 Propeller Motors
- Takeoff Weight (depends on the annual concept)
- Maximum Projection Area (1 x 1 m)
- Vertical Takeoff and Landing
- Min Set of Sensors (GPS, cameras, altimeter, tachymeter)
- Telemetry Mandatory
- Sponsors Encouraged



RULES

Teams:

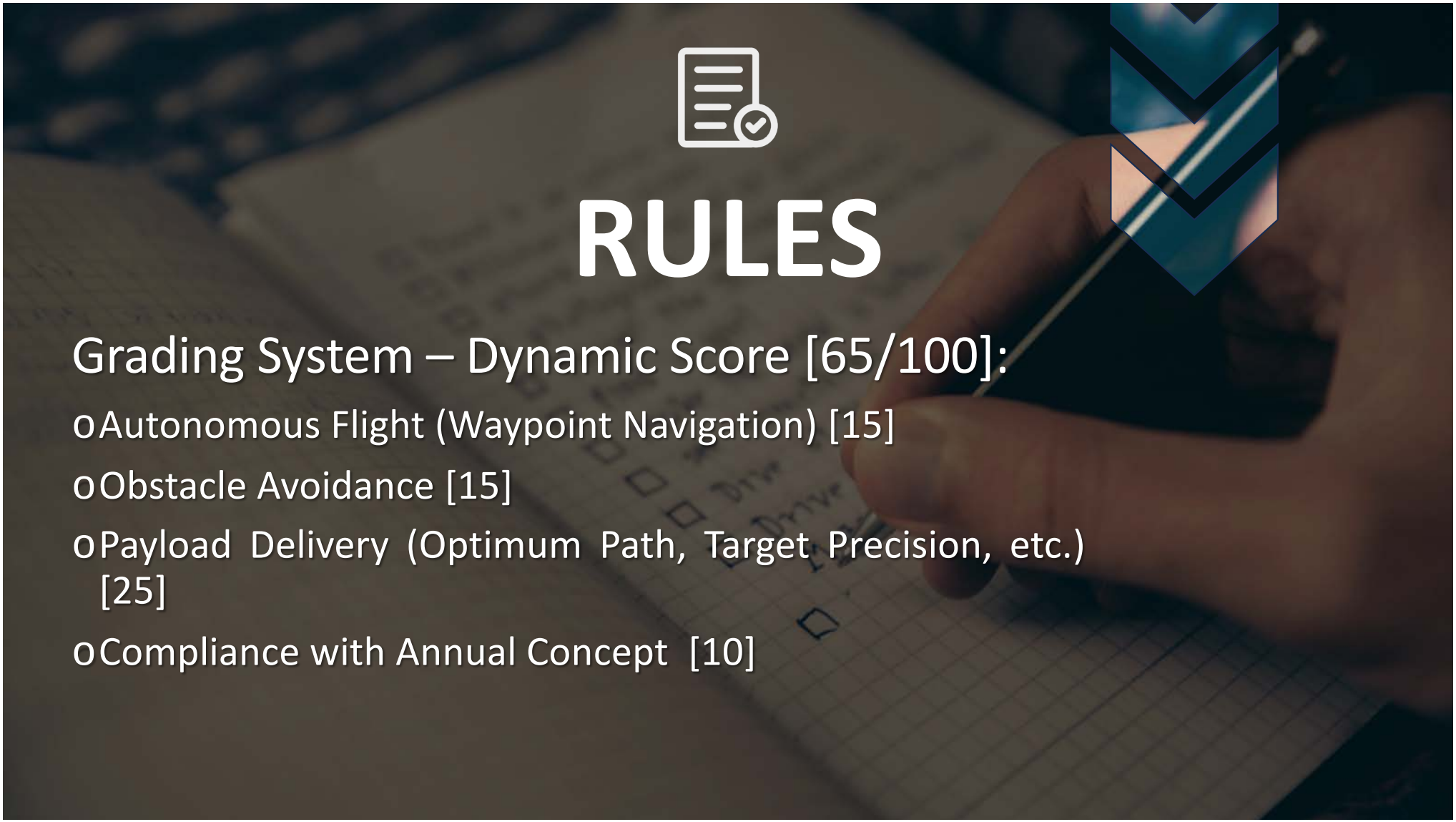
- Coaches (up to **5)**
- Cadets (up to 15 - no restriction in their specialization or domain)
- Event Participants (number of representatives decided by the Host Institution)



RULES

Grading System – Static Score [35/100]:

- Drone Technical Presentation [5]
- Development Process [15]
- Innovation [15]



RULES

Grading System – Dynamic Score [65/100]:

- Autonomous Flight (Waypoint Navigation) [15]
- Obstacle Avoidance [15]
- Payload Delivery (Optimum Path, Target Precision, etc.) [25]
- Compliance with Annual Concept [10]

SCHEDULE

- 14 November 2025: Expression of Interest
- 01 December 2025: Challenge Presentation
- February 2026: Deadline of Registrations
- February-June 2026: Development Period
- July 2026: Contest Week

LOCATION

- Host: Hellenic Air Force Academy
- Contest Site: Athletics Complex or Runway
- Free meals & accommodation for cadets
- Cultural Visits