

17th WORLD MICROLIGHT CHAMPIONSHIPS

TASK 1 BRIEFING

23.7.2022 18:30 LT



Hosín Airfield, LKHS

SUNDAY, 24th

NAVIGATION WITH PARTIALLY KNOWN TRACK

TASK DESCRIPTION:

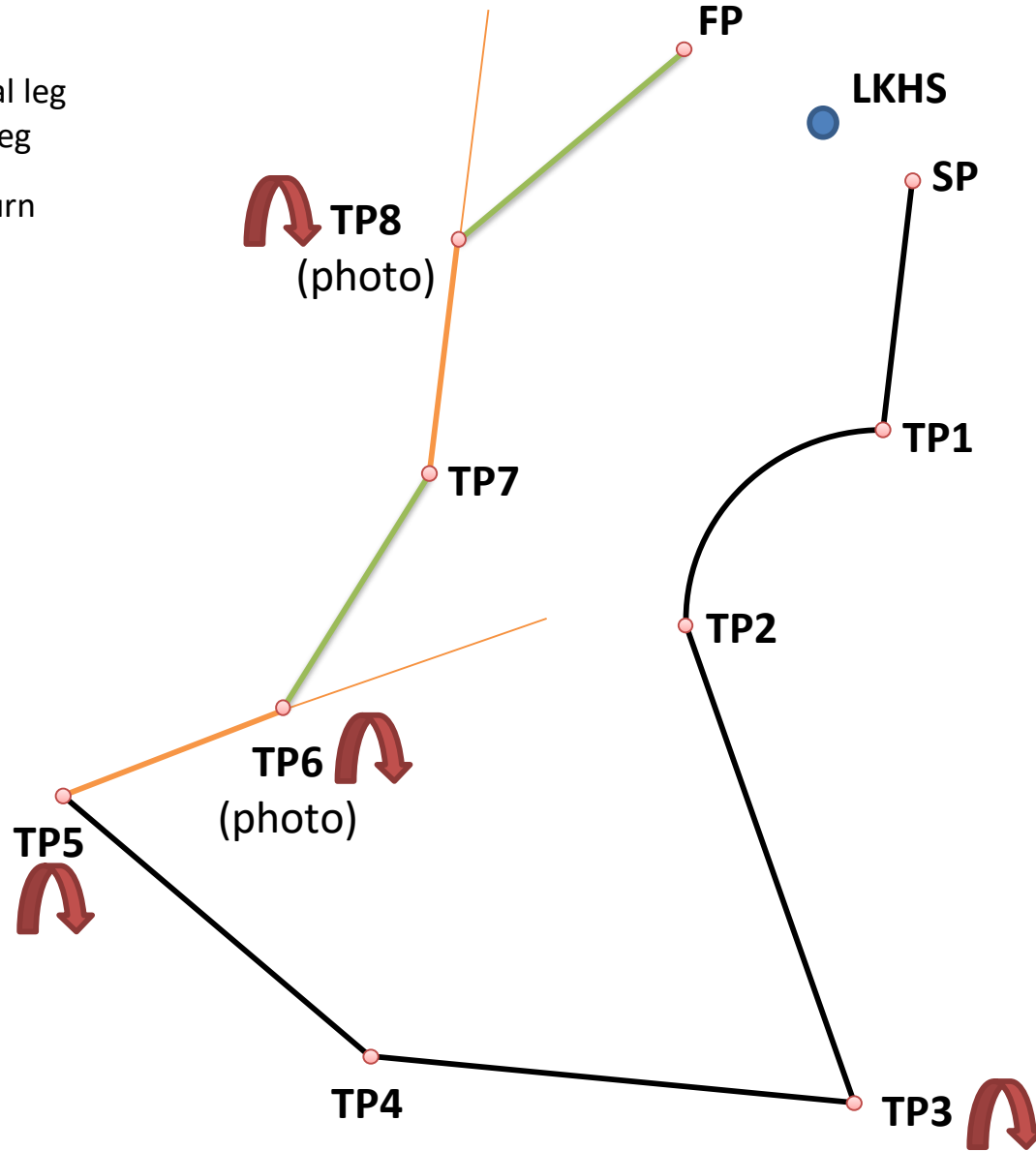
- Follow a series of partially known legs, finding markers and identifying ground features from photographs, and locating their positions on a map (including the marker shape and photo number) and maintaining declared ground speed, which is measured by known and unknown time gates. Discover unknown legs during the flight and follow them.
- Two photos will each indicate a turnpoint and the start of a leg to another (known) point.
- It may be required to distinguish between on-track and off-track markers and ground features. There will be track gates to evaluate navigation precision. These can be combined with timing gates to evaluate time precision. After the first unknown turnpoint, the rest of the time measurement is by interval ground speed measurement (GS measured between 2 consecutive gates)

TASK SPECIFICATION:

- Fly along a partially known track (2 legs unknown).
- The track is fully known until TP5.
- **TP6** and **TP8** are not marked in the map, these are indicated by turning photos.
- **TP3, TP5, TP6** and **TP8** – add time for procedural turns **(+1 minute!)**.
(The procedural turn itself is not mandatory).
- Follow a known line from TP5 until you find the photo labelled TP6, then (after a non-mandatory procedural turn) fly on a straight line to TP7 (known, in the map).
- Follow a known line from TP7 until you find the photo labelled TP8, then (after a non-mandatory procedural turn) fly on a straight line to FP (known, in the map).
- Identify photos and markers (including shape/number) in the map.
- An extra map will be given to competitors to re-mark the photos and markers on the ground after the task in quarantine.
- The crew shall be ready for scoring 20 minutes after landing. (-20% penalty)
- Approximate task length is 140km
- The time limit for the entire task is 160km/GS + time to SP (7 or 5 minutes). Landing after time limit is 100% penalty.
- Time to start point
 - 7mins WL
 - 5mins AL, GL

Approximate task shape

- known track
- constructional leg
- constructed leg
- ↪ procedural turn



Scoring

Description	Point value
SP, FP, all TP	50
Track gate	100
Photo, ground marker (in 2 mm tolerance)	100
Photo, ground marker (tolerance: > 2 mm, < 5 mm)	0
Photo, ground marker (out of 5 mm tolerance)	-100
Time gate (5 sec tolerance)	100
Each second outside of 5 sec tolerance	-3
Ground speed section (3km/h tolerance)	100
Each km/h outside 3km/h tolerance	-10

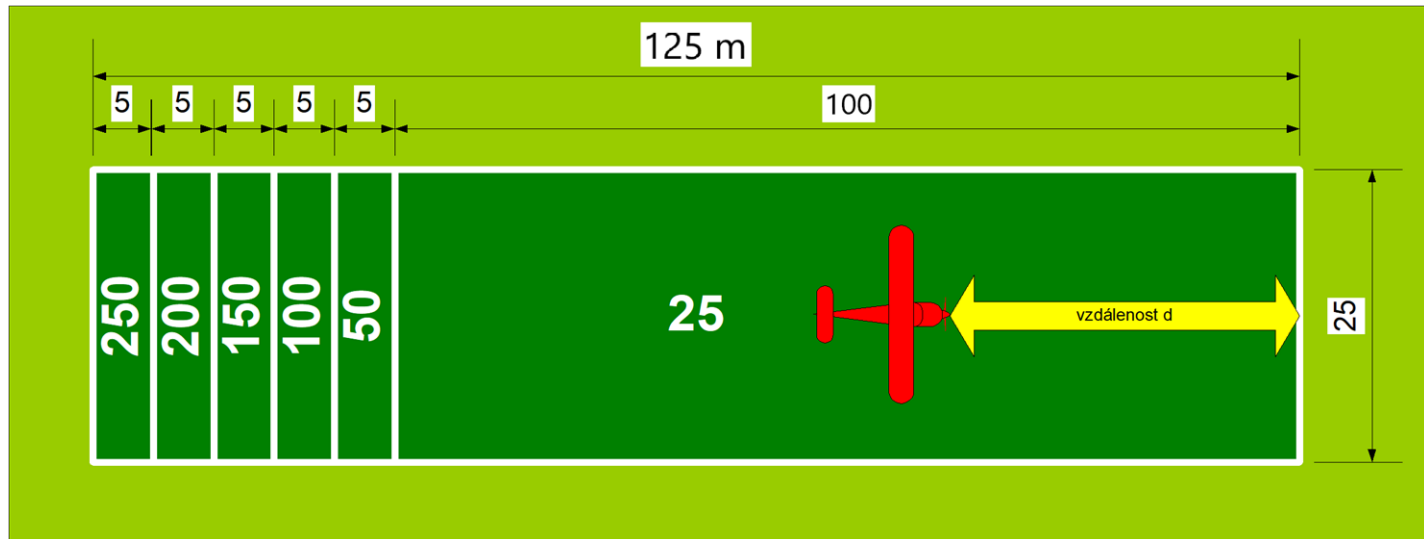
Penalties

Description	Value
Late quarantine	-20%
Late take-off	-20%
Backtracking	-100%
Flying into prohibited area (marked in the task map)	-100%
Outlanding	-100%
Quarantine breach	-100%
Landing after time limit	-100%

Arrival procedure

- Fly **above the airfield, crossing the deck**, looking out for traffic.
- Use the **southern circuit** and execute a powered precision landing (grass) with a full stop in the deck.
- Exit the deck after being instructed by a marshal and taxi back to the quarantine area.
- Finish your maps and proceed to the scoring.

Deck scoring



*Schematic picture, note that the deck length is extended by 7% due to high elevation

Deck scoring

- The score will be the value of the strip in which both main wheels touch down with the ground (PS). Touching down on a dividing line scores the higher of the two strips.
- The distance between the finish of the deck and the closest wheel will not be measured.
- The pilot will be scored zero if:
 - Any part of the aircraft touches the ground before the deck
 - The aircraft turns by more than 90 degrees from the deck centreline between starting the landing approach and coming to a standstill
 - The aircraft does not stop within the limits of the deck.
 - The aircraft moves from the deck before instructed to do so by a marshal
 - The aircraft is unable to taxi or take off unaided following the touchdown although failure to start the engine will not incur a penalty

Schedule

- Aircraft in quarantine – until 7:00
 - You can put them there today
- First preparation time 8:00
 - Be ready in quarantine with your phones sealed at your prep. time.
 - You will receive the task sheets at your plane
 - Only enter quarantine through the “entry gate” where phones are sealed
- First take-off 9:00
- Order:
 - WL1/2
 - Break (approx 1 hour)
 - AL1/2, GL2