



e-kart™

Le véhicule électrique comme support pédagogique !



INTERNATIONAL E-KART MEETING 2015
28 et 29 mai 2015
REGULATION - RULES

1) Participants

- *Institute of Technology of Soissons (France), represented by par M. SIVERT*
- *Institute of Technology of Bethune (France), represented by M. MAEGHT, M. ROUSSEL, M. DEMIAN et M. FAVIER*
- *Institute of Technology of Lille, représentée par M. BROUTIN*
- *Warsaw University (Poland) represented by M. BICZEL*
- *« E-Kart evolution » represented by M. Thierry LEQUEU*
- *Kart Masters society represented by M. Valery DEWANCKER*

2) place

This meeting will take place at these sites:

Thursday 28th of May 2015, on the track of Planet **Karting**,

PLANET KARTING,

57, rue Fond Squin, 62500 SAINT-MARTIN-AU-LAERT (France)

Web Site : <http://www.planet-karting.com>

Friday 29th of May 2015, on the track **KLL**, Française de Mécanique

602 Boulevard S, 62138 Douvrin, (France)

Web site: <http://www.kll.fr/index.php>

3) Dates

Thursday 28th of May 2015 and Friday the 29th of May 2015

4) Insurance policy

- Go-karts have to be insured. Insurance Policy will be checked before the meeting

WARNING :

Without insurance, the electric go-kart will not be allowed to access to the different tracks.

- **E-kart evolution** insure the meeting but no the go-karts.
- **Planet Karting** and **KLL** will not be responsible for damages caused by an electric go-kart or by a participant.

5) Drivers

Teachers are responsible of their own electric go-kart. These teachers are the only the ones who can authorize the access of their go-kart to the track.

Drive an other electric go-kart than his own is not allowed without authorization of the responsible.

6) schedule

Appointment is set at the institute of technology of Bethune at the electrical department the 28th of May 2015 at 10:00am.

Access to the track of Planet-Karting it will be available on Thursday the 28th of May 2015 between 2pm and 5pm. E-kart association has to vacate the track at 5pm.

This time slot could be increased with the agreement of the Responsible of the track.

The e-kart meeting can be interrupted by the responsible of the track if he judge that the safety conditions are not sufficient.

Access to the track of KLL it will be available on Friday the 29th of May 2015 between 2pm and 5pm. E-kart association has to vacate the track at 5pm.

This time slot could be increased with the agreement of the Responsible of the track.

The e-kart meeting can be interrupted by the responsible of the track if he judge that the safety conditions are not sufficient.

7) Access to the track and the pit stop.

Participants are agree to follow this regulation

For each go-kart, one teacher is designated the responsible.

Only this teacher can permit the test of his go-kart on the track

This teacher has to make sure of the respect of this regulation

Teachers and students are only allowed to drive their own go-kart

Only the teacher responsible can authorize someone else to drive his go-kart

Only the participants to the e-kart meeting are allowed to access to the pit stops and to the track

All the participants will receive a badge. They have to wear this badge permanently.

People without badge can't access to the track and to the pit stops.

8) Cancellation of the meeting

PLANET-KARTING and **KLL** can cancel or interrupt the e-kart meeting without notice and without explanation.

9) repercussions

press will be invited

colleagues from other schools or from other universities are the welcome.

Of course, students of our universities are also the welcome.

10) Schedule

Thursday 28th of May 2015

10:00 Appointment at the Institute of Technology of Bethune, at the electrical department (G.E.I.I.).
Discussion and explanations about the e-kart meeting

11:30 lunch at the restaurant of the university.

13:00 Trip in convoy to the track of Planet-Karting.

14:00 arrival to the track of Planet-Karting.

14:30 **Safety Briefing.**

14:30 free tests of the go-karts

15:00 official tests

- Best lap time:

Only one go-kart competes at once.

The others go-karts are charging.

Each go-kart executes 5 laps before coming back to the pit stop
the timing is hand made

- Pause – charging go-karts

Go-karts are charging (with low power)

Debriefing and discussion about the previous test

Preparation for the next test.

- Batteries life tests.

All the go-karts are running simultaneously on the track.

The goal is to realize the greater number of laps possible with only one charge of the batteries.

Counting is hand made.

Fair Play is essential. The slower go-karts have to make place to the faster ones.

16:30 tidying up of the go-kart and restitution of the track.

17:00 Discussion.

17:30 Return to Bethune and recharging of the go-karts.

Friday 29th of May 2015

8 h 30 Appointment at the Institute of Technology of Bethune, at the mechanical department (G.M.P).
Discussion and explanations about the e-kart meeting.

9H00 GO-KART EXHIBITION AT THE MECHANICAL DEPARTEMENT GMP –
MEETING WITH PRESS

10H00 preparation of the go-karts for the trip to the track of KLL

10 h 30 Trip in convoy to the track of KLL.

11 h 00 arrival to the track of Planet-Karting.
Briefing about safety.

11h00 free tests of the go-karts

official tests

11h30 50m race.
Only one go-kart competes at once.
The others go-karts are charging
each kart realizes one run and comes back to the pit stop in order to make place for the other one.
Timing is done by an automatic chronometer (student project)

12 h 30 lunch on place (not forget to take a picnic)

13 h 30 free tests of the go-karts.

14 h30 autonomy test during 2 hours (by team).

The goal is to realize the greater number of laps during two hours
This test is done by teams of two go-karts
While one of the go-kart is racing, the other one is on charge.
The relay between the two go-karts is done in the pit stop.
Pilots must type in the hand to hand over
the counting of the number of laps is handmade
Fair Play is essential. The slower go-karts have to make place to the faster ones.
The transition from karts in the pits is at very low speed.

16 h 30 Tidying up of the go-kart and restitution of the track.

17 h 30 Return to Bethune and recharging of the go-karts

END OF THE MEETING