



**MNASZ 2019
TEREP
RALLYE
BAJNOKSÁG**



**Supplementary
Regulation
T1, T2, T3,
T4, TH,
S b S, CH**

**HUNGARIAN CROSS-COUNTRY RALLY CHAMPIONSHIP Vth RUN
FIA CEZ CHAMPIONSHIP VIIIth RUN**



**04-06.10.2019
GYULA**



MNASZ: K-0485/2019.09.16.

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INTRODUCTION

SKUBA CROSS-COUNTRY GYULA cup 2019. is organised by **HT Racing Team Service Kft.** and **Hungarian Cross Country Committee** on 04-06. 10. 2019.

The event will take place in accordance with the following regulations, to which all drivers and competitors will be bound by signing the entry form:

- The FIA International Sporting Code (and its appendices),
- General prescriptions of the FIA Cross-Country Rallies,
- General prescriptions of the Hungarian Cross-Country Rallies 2019
- The present Supplementary Regulations and its appendices,
- Official bulletins.

This Supplementary Regulation is published in Hungarian and English, and in disputed cases the Hungarian Supplementary Regulation is the authoritative one.

Total distance: 560,05 km							
1. day		284,9km					
SS1	45,1km	SS2	45,1km	SS3	45,2km	SS4	45,2km
2. day		271,9km					
SS5	37,9km	SS6	37,9km	SS7	35,8km	SS8	37,8km

SCHEDULE

DATE	TIME	EVENT	LOCATION
04.09.2019 Wednesday	10:00	<u>Opening date for Entries</u>	HT Racing Team Service Kft. 2310 Szigetszentmiklós, Leshegy u. 21.
24.09.2019 Tuesday	18:00	<u>Closing date for Entries</u>	HT Racing Team Service Kft. 2310 Szigetszentmiklós, Leshegy u. 21.
04.10.2019 Friday	11:30	Opening Secretariat and Press Office	Erkel Ferenc Gimnázium és Kollégium, Gyula, Adler Ignác u. 3.
	12:00-14:30	Pick up of the Safety Systems	In Administrative Check
	12:00-15:00	<u>Administrative Check</u>	Erkel Ferenc Gimnázium és Kollégium, Gyula, Adler Ignác u. 3.
	13:00-16:00	<u>Technical Scrutineering</u>	Futizó Kft. Gyula, Siórét 40/c
	15:30-16:30	<u>Entrance to the Parc Fermé</u>	Gyula, Vértanúk útja (Servicepark, Rajtkapu)
	16:30	First Steward Meeting	Erkel Ferenc Gimnázium és Kollégium, Gyula, Adler Ignác u. 3.
	17:00	<u>Briefing.</u> Publication of Start List Leg 1-2, Road book distribution,	Gyula, Vértanúk útja (Servicepark)
	20:00	Closing of Secretariat	Erkel Ferenc Gimnázium és Kollégium, Gyula, Adler Ignác u. 3.

DATE	TIME	EVENT	LOCATION
05.10.2019 Saturday	07:30	<u>Opening Secretariat</u>	Erkel Ferenc Gimnázium és Kollégium, Gyula, Adler Ignác u. 3.
	08:00	<u>Leg 1 START</u>	Gyula, Vértanúk útja (Servicepark)
	08:35	SS1 Start	
	10:01	SS2 Start	
	11:10	<u>Service</u>	Gyula, Vértanúk útja
	13:05	SS3 Start	
	14:30	SS4 Start	
	15:40	<u>Service</u>	Gyula, Vértanúk útja
	18:10	<u>FINISH Leg 1</u>	Gyula, Vértanúk útja (Servicepark)
	19:00	Publication of the provisional results of Leg 1	Erkel Ferenc Gimnázium és Kollégium, Gyula, Adler Ignác u. 3.
	19:00	<u>Publication of Start List Leg 2.</u> <u>Closing of the Secretariat</u>	Erkel Ferenc Gimnázium és Kollégium, Gyula, Adler Ignác u. 3.

DATE	TIME	EVENT	LOCATION
06.10.2019 Sunday	07:30	<u>Opening Secretariat</u>	Erkel Ferenc Gimnázium és Kollégium, Gyula, Adler Ignác u. 3.
	08:00	<u>Leg 2 START</u>	Gyula, Vértanúk útja (Servicepark)
	08:43	SS 5 Start	
	09:53	SS 6 Start	
	11:03	<u>Service</u>	Gyula, Vértanúk útja
	12:43	SS 7 Start	
	13:53	SS 8 Start	
	15:00	<u>FINISH Leg 2</u>	5700 Gyula Kétegyházi út 1. INTERSPAR, PARKOLÓ
	16:00	Publication of Provisional Classification	Erkel Ferenc Gimnázium és Kollégium, Gyula, Adler Ignác u. 3.
	16:30	<u>Publication of Final Official Classification</u>	Erkel Ferenc Gimnázium és Kollégium, Gyula, Adler Ignác u. 3.
	16:30	<u>PRIZE-GIVING CEREMONY</u>	Gyula, Vértanúk útja.

1 DESCRIPTION

1.1 PLACE AND DATE OF THE EVENT:

The **SKUBA CROSS-COUNTRY GYULA** race is held in Békés counties, Gyula, Kőtegyán, Sarkad, Sarkadkeresztúr area, Hungary.

1.2 THE EVENT:

Skuba CROSS-COUNTRY GYULA

5th round of

HUNGARIAN CROSS-COUNTRY RALLY CHAMPIONSHIP

with coefficient 2, with international participants.

and 8th round of **FIA CEZ CHAMPIONSHIP** with coefficient 2,

1.2 VISA NUMBER:

MNASZ: K-0485/2019.09.16.

1.4 LOCATION OF EVENT HQ:

Location: Gyula, **Erkel Ferenc Gimnázium és Kollégium**, Gyula, Adler Ignác u. 3.

Time: SEE ABOVE IN SCHEDULE

1.5 LOCATION OF START AND FINISH:

LOCATION:

Gyula, Vértanúk útja,

START TIME:

05.10.2019

08:00

1.6 LOCATION OF PRESS OFFICE:

LOCATION: EVENT HQ

1.7 LOCATION OF OFFICIAL NOTICE BOARD:

LOCATION: Gyula, **Erkel Ferenc Gimnázium és Kollégium**, Adler Ignác u. 3.

1.8 The average altitude above sea level of the Selective Sections:

The average altitude above sea level of The SKUBA Cross-Country Gyula cup Selective Sections is **under 1000 metres**. Based on these the size of the competition vehicles are restricting according to the Rule Book 8.2.4 points.

2 ORGANIZATION

2.1 ORGANISER'S NAME:

HT Racing Team Service Kft. and Hungarian CCR Committee

2.2 ADDRESS & CONTACT DETAILS:

HT Racing Team Service Kft. 2310 Szigetszentmiklós, Leshegy u. 21.

Responsible for the Event: **Mr. János VALKAI**

Tel: +36 20 4332525

2.3 ORGANISING COMMITTEE:

Organising Committee:

Members and Chief Safety Official:

Members:

Secretary of the Rally:

Mr. László POLGÁR

Mr. Mihály GYEPES

Mr. György BALI

Mrs. Petra ILLÉS-POLGÁR

2.4 STEWARDS:

Stewards' Meeting, Chairman
Members

Mr. Tibor OROSZLÁN
Mr. István LÁDI (SK)
Mr. György SELMECZI

2.5 OFFICIALS:

Clerk of the Course:
Chief Technical Inspector:
Chief Medical Officer
Chief Safety Officer:
Secretary of the Rallye:
Crew's Relation Officer:
Results:
GPS Control

Mr. László POLGÁR
Mr. László TÜSKÉS
TBA
Mr. Mihály GYEPES
Mrs. Petra ILLÉS-POLGÁR
Mr. Dávid MAJOR
ChronoMoto
M-Info Kft.

2.6 IDENTIFICATION OF OFFICIALS AND MARSHALS:

MNASZ identification- everyone.
Chief Post Control: Red west, Timekeeper and Marshall: White or yellow west.

3 ENTRIES

3.1 DATES:

Opening date for entries: **04.09.2019**
Closing date for entries: **24.09.2019**

3.2 ENTRY PROCEDURE:

Entries must be made using the online forms on the website:
<http://www.terep-rallye.hu/jelentkezés/>

Entry forms together with the certificate of payment should be sent to the following address:

HT Racing Team Service Kft.

2310 Szigetszentmiklós, Leshegy u. 21.

e-mail: info@terep-rallye.hu

3.3 NUMBER OF ENTRIES, GROUPS, CLASSES:

Groups announced: **T1, T2, T3, T4, TH, SbS, Ch,**

3.4 ENTRY FEES, OTHERS: VAT, complementary compulsory liability insurance, and rental fee of the GPS system are included in the entry fees.

Group T1 - T2 - T3 – T4:	230.000,-HUF
Group TH:	130.000,-HUF
Group SbS:	90.000,-HUF
Group Challenge: Without entry fee, but the GPS and the insurance	30.000,-HUF
Basic service plate per vehicle (50 m2 area):	Included in Entry fee!
Plus Service area 50 m2	20.000,-HUF
Acompanying car (max. 2 piece / service /50m2/)	10.000,-HUF
Mobile homes, Promo vehicle	10.000,-HUF

With the signing the entry form of competitors, contestants agree that GPS system operator give their data to the organizer, leader of the race and the TRSB.

3.5 METHOD OF PAYMENT:

All entry fees must be transferred before the closing date of the netries to the following bank account:

HT Racing Team Service Kft.

MKB BANK Zrt.

Account number: HU90 10300002-10712578-48820016

SWIFT: MKKBHUHB

The entry form can only be accepted together with the certificate of payment of the entry fee. Entries after the closing date of the entries will be considered as „Entry on spot” (150%).

3.6 SAFETY SYSTEM: **paid on the spot!**

GPS + Overtaking system, **installation package** (rent)

5.000, HUF

GPS + Overtaking system, **installation package** (buy)

15.000, HUF

4 INSURANCE

According to MNASZ INSURANCE INFORMATION 2019.

4.1. complementary compulsory liability insurance:

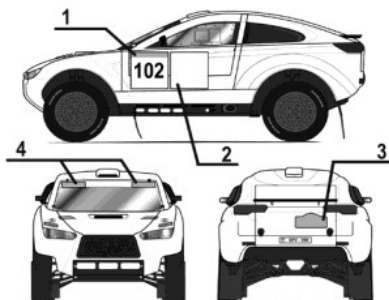
Included in Entry Fee!

5 ADVERTISEMENTS

5.1 ADVERTISEMENTS:

1. 2 pcs Start number with advertising,
2. 2 pcs Advertisement plates,
3. 1 pc Rally plate (43x21cm, in back)
4. 2 pcs (25x10cm) windscreen sticker

Others: in Bulletin!



6 IDENTIFICATION

MNASZ General Prescriptions Art. 14. Rally plates, names of driver and co-driver(s), ID card.

7 TYRES

MNASZ (ASN) General Prescriptions Art. 11.

8 FUEL

Commercially available fuel must be used which cannot contain any additives. Fuelling only at the marked Petrol Stations in the road book.

9 ADMINISTRATIVE CHECKS

9.1 LOCATION: Erkel Ferenc Gimnázium és Kollégium,
Gyula, Adler Ignác u. 3.

9.2 TIME AND SCHEDULE:

04.10.2019 12:00 – 15:00

Safety equipment must be collected before the administrative checks. (M-Info)

9.3 DOCUMENTS TO BE PRESENTED:

- Entrant licence
- Driver and Co-driver licences
- Driver and Co-driver's valid Driving Licence
- ASN Licence for foreign competitors /International Licence/
- Entry Form - fully completed
- Vehicle registration document or temporary traffic permission for SP numbers and belonging Start Diary
- Compulsory car insurance policy
- Starting Permission (who is concerned)
- Authorization from the owner of the vehicle in case is other than the driver or navigator
- FIA Technical Passport, or ASN Passport for competitors with foreign licences

10 TECHNICAL SCRUTINEERING AND MARKINGS

10.1 LOCATION: FUTIZÓ KFT. GYULA, SIÓRÉT 40/c

ANY MEMBER OF THE "TEAM" CAN TAKE THE VEHICLE TO THE TECHNICAL SCRUTINEERING.

10.2 TIME AND SCHEDULE:

04.10.2019

13:00 – 16:00

10.3 PARC FERMÉ:

Following the technical scrutineering, each vehicle must be set in Parc Fermé between **15:30 and 16:30 In your own service area!** See 12.1.

The pre start parc-fermé and the Night Parc-Fermé will be kept in the service park, and everyone will keep the race vehicle at his own service station. After handling the time-cards, service on the vehicles is no possible.

10.4 REQUIREMENTS AT TECHNICAL SCRUTINEERING:

- Vehicles must be presented with all start numbers, rally plates, and advertisements fixed properly on the designated place.
- Tracking equipment and inter-vehicle signalling system installed and operable,
- Scrutineering Sheet- filled up
- Homologation Form, valid Technical Passport
- All personal safety equipment (eg.: helmet, fireproof clothing, gloves, FHR, fireproof underwear, etc.) must be presented.
- Technically corresponding and approved size fire extinguisher properly fitted in the car
- Warning triangle, survival kit

10.5 SAFETY REQUIREMENTS:

It is obligatory for all competitors to use the GPS tracking and inter-vehicle signalling system (M-Info). System must be rented before administrative checks.

11 SUPERSPECIAL STAGE

NOT WILL BE HELD.

12 START OF THE EVENT

12.1 PRE-START PARC FERMÉ:

LOCATION: GYULA, VÉRTANÚK ÚTJA, SERVICE PARK. **IN YOUR OWN SERVICE AREA!**

TIME: 04.10.2019 13:30-16:30

12.2 BRIEFING: (COMPULSORY)

LOCATION: GYULA, Vértanúk útja, SERVICE PARK

TIME: 04.10.2019 17:00

12.3 PUBLICATION OF START LISTS AND START TIMES:

According to Schedule.

13 RUNNING OF THE EVENT

13.1 DISTRIBUTION OF ROADBOOKS

At Briefing.

13.2 DISTRIBUTION OF TIME CARDS, CHANGE OF TIME CARDS:

Time cards will be issued before the Start of each Leg and must be submitted to the marshals at the Finish of each Leg.

Time cards will be changed on Regrouping.

13.3 LIMITED DELAY

Maximum delay between two TC is 30 minutes per Leg. Delay exceeding this limit will result in exclusion.

13.4 FIXED PENALTY

On racing days, those competitors who got fixed penalties can restart to the race- at the stages of regrouping until the first vehicle's planned time, in compliance with the other rules described in the Hungarian General Prescriptions rule book.

13.5 EARLY CHECK IN AT THE END OF EACH LEG:

At the end of each Leg at the TC at the entry of Parc Fermé competitors can check in ahead of time without penalty.

13.6 PARC FERMÉ:

Between the Legs (overnight), race vehicles are left in their own service area.

LOCATION: GYULA, VÉRTANÚK ÚTJA

14 SERVICE PARK

14.1 LOCATION: GYULA, VÉRTANÚK ÚTJA

GPS: N 46° 38,589' E 21° 16,223'

14.2 OTHERS:

Refuelling and washing in the Service Park area is PROHIBITED! Refuelling and washing has to be made at the filling stations located at each road section.

Entry will service park be permitted only to Service Vehicles showing the Service Plates.

Using a min 5x4m protector canvas under the racing vehicles is mandatory.

Each service team has to ensure that after carrying out their activities on the site, they do not leave any pollutants. They will be checked by the technical supervisors, and not complying will entail a 50.000,- HUF fine.

The organizer calls the attention of the competitors that the service park is limited guard at night time!

In each service area compulsory 1 pcs minimum 4 kg validated fire extinguisher.

15 PROTESTS

Protest fee:	General:	100.000 HUF
	Technical:	100.000 HUF

16 FINAL TECHNICAL SCRUTINEERING

LOCATION: Parc Fermé
TIME: 06.10.2019 from 15:00

17 RESULTS

17.1 PUBLICATION OF PROVISIONAL CLASSIFICATION LEG 1:

TIME: 06.10.2019 19:00

17.2 PUBLICATION OF PROVISIONAL FINAL RESULTS:

TIME: 06.10.2019 16:00

Location: Official Notice Board

18 PRIZES

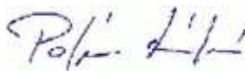
18.1 PRIZEGIVING: GYULA,

LOCATION: VÉRTANÚK ÚTJA,
TIME: 06.10.2019 16:30

19 SIDE BY SIDE GROUP

Rules: General Prescriptions 2019 – MNASZ

VISA NUMBER: MNASZ: K-0485/2019.09.16.



Mr. László POLGÁR
Cross-Country Rallye Committee

I. Technical description of the operation of the GPS System V1

More info GPS System: +36 30 241 31 11

Mr. Zsolt MARTON



Pic. No. 1.: GPS box Sizes: 115x90x55mm Weight: 340g + pipe clamps 110g

General operating principle of GPS measurements:

The GPS is an advanced positioning system for three-dimensional position determination, timing and velocity measurements can be carried out by land, sea or air. Accuracy is typically of the order of meters, but the environmental conditions can affect significantly. In the sky from the flat ground there are 7-25 satellites visible at the same time, of which for positioning at least three, for the height above sea level one additional satellite is necessary for determination. The GPS satellites are broadcasting at six frequencies. Each satellite broadcasts spread spectrum signal which may be "pseudo-random noise" called for.

The positioning is based on the theory of analytic geometric methods. The satellite positioning system is based on timing recycle distance measurement. Since we know the velocity of radio waves, and we know the date of issue and receipt of radio waves, can be determined based on the distance of the source of these. In the three-dimensional space knowing the exact measured distance from three known positions we are able to determine the position. Measuring the distance with other satellites we are able to improve this value.

Cause A significant distortion in the system can be caused by the effect of atmospheric to the radio waves. At the description of the calculations we assumed that to simply calculate with the distance = rate x time formula. This is true, but that the speed of radio waves are only constant in the vacuum pressure.

Evaluation of data

The evaluation of uploaded data can be determined in two different ways.

Initial assessment of the competition supervision interface, real time data available online. This means the data that the device has been uploaded to the central database and downloaded online, analyzed by the supervisory program. The yet uploaded, or not yet analyzed data will be carried over in the subsequent analysis. Not uploaded data case occurs when the device is in the absence of strength of GSM signal, and can not upload data to the central database. In the case where the data is available online in the database, but local network is busy or the downloads has interrupted due to bad network relationship, then the analysis of loss data only partially can take place online.

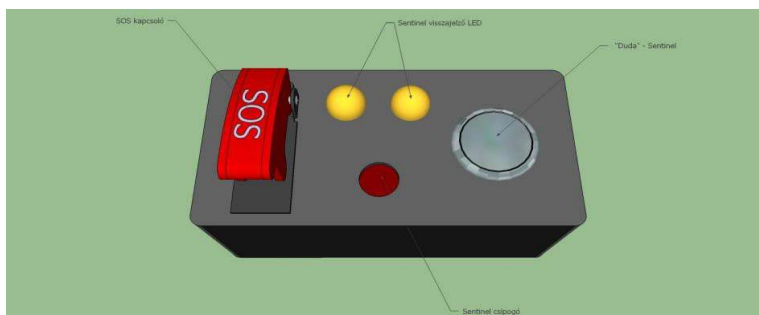
Alternate method is retrospective data analysis. In this case, the data collected what has been received by a specified time interval sets the database to a file, and the data can be evaluated from point to point.

Alarm vehicle to vehiclefunction

The device has a frequency of 433 MHz using radio module, which is broadcasting the data of an encoded in advance "bagpipe" and SOS functions corresponding sets of data, for the tools staying in range. The range distance can be greatly affected by ambient atmospheric conditions and terrain. The device has adjustable transmission power. This value is not possible adjustable during the race. Currently, the alarm vehicle to vehicle has two functions:

- "Toot" function, which indicates the overtaking intent of a alarm vehicle to vehicle equipped car up to 100m distance. Pressing the SOS button, placed int he box, a red LED indicates the start, which lasts for 5 seconds. In the event that the other device receives the sent signal, then this confirms to the sending device and the server uploads the signal, and at the same time, in the overtaken vehicle's SOS panel's LED will lit blue with a beep sound (continuous), and in the overtaker's vehicle the LED color changes from red to blue light, no beep sound here. The indicator remains on the overtaken's vehicle for 10 seconds. Then, each signal is switched off until a next signal.

- Send SOS signal devices within range. This feature will be active if on the SOS panel, the SOS switch is turned on. Send the device continues the signal, until the SOS switch is turned on. In the case where a device receives the SOS signal , on the SOS panel the red and blue LED will blink, with a pulse (0.5 s) alarm signal, as long as is still within range. This feature requires a power supply operation.

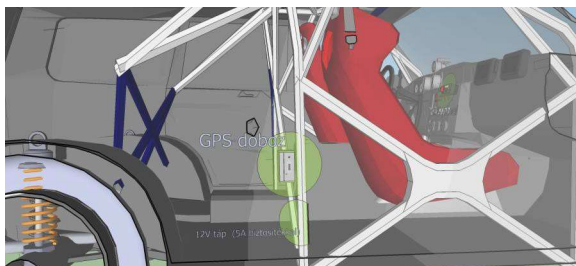


Pic. No. 2.: SOS Panel Sizes: 95x48x67mm Weight: 120 g

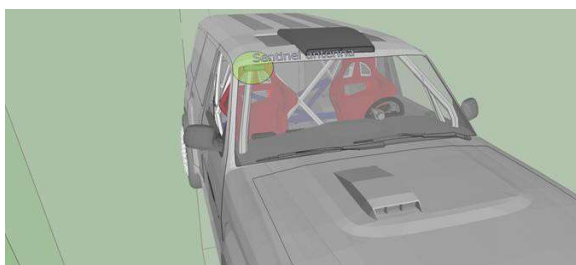
Tool installation

- SOS panel, alarm vehicle to vehicle antenna placement: Previously purchased SOS panel's red and black wires with the 2poled TMWS2T connector must be connected to the 5A fuse mating port (horizontal shoe positive, vertical shoe negative polarity), 15 poled connector's end has to be wired with the right B column. SOS panel should be placed on the dashbord in such a way that both the driver and the navigator can reach. The adhesive antenna supplied shall be affixed to the top right corner of the windshield horizontally, the end of the cable wired to the right-hand column B.
- Installing the device: The device received at the Administrative check must be connected to the previously purchased and installed SOS panel and alarm vehicle to

vehicle antenna. The device must be fixed in the right column B with 2 clamps so that the device does not move and the visibility ensured.



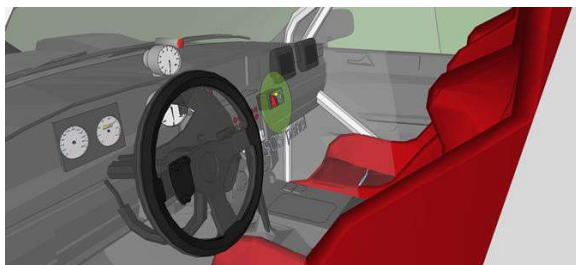
Pic. No. 3.: How to install 1.4



Pic. No. 4.: How to install 2.4



Pic. No. 5.: How to install 3.4



Pic. No. 6.: How to install 4.4

- To verify the functionality of the device will take place at the Technical Scrutineering .