

**MNASZ 2019  
TEREP  
RALLYE  
BAJNOKSÁG**



# SUPPLEMENTARY REGULATION



T1, T2, T3,  
T4, TH,  
S b S, CH

## HUNGARIAN CROSS-COUNTRY RALLY CHAMPIONSHIP I. RUN CEZ CHAMPIONSHIP I. RUN



2019. 03. 22-23.  
BUGAC



## CONTENTS:

INTRODUCTION .....	2
SCHEDULE .....	3
1 DESCRIPTION .....	5
2 ORGANIZATION .....	6
3 ENTRIES .....	6
4 INSURANCE .....	7
5 ADVERTISEMENTS .....	7
6 IDENTIFICATION .....	8
7 TYRES .....	8
8 FUEL .....	8
9 ADMINISTRATIVE CHECKS .....	8
10 TECHNICAL SCRUTINEERING AND MARKINGS .....	8
11 SUPERSPECIAL .....	9
12 START OF THE EVENT .....	9
13 RUNNING OF THE EVENT .....	9
14 SERVICE PARK .....	10
15 PROTESTS .....	10
16 FINAL TECHNICAL SCRUTINEERING .....	10
17 RESULTS .....	10
18 PRIZES .....	10
19 SIDE BY SIDE GROUP .....	10
I. Technical description of the operation of the GPS System V1 .....	12

## INTRODUCTION

**ADRENALIN CUP** is organised by **VARGA RACING TEAM ASE** on 22-23. 03. 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:

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

Total distance:		332,1 km			
Day 1	117,5 km	SS 1	49,7 km	SS 2	49,7 km
Day 2	214,5 km	SS 3	102,2 km	SS 4	102,2 km

## SCHEDULE

DATE	TIME	EVENT	LOCATION
<b>22.02.2019</b> <b>Friday</b>	10:00	<b><u>Opening date for Entries</u></b>	Varga Racing Team ASE. 1163 Budapest, Legény utca 10.
<b>12.03.2019</b> <b>Tuesday</b>	18:00	<b><u>Closing date for Entries</u></b>	Varga Racing Team ASE. 1163 Budapest, Legény utca 10.
<b>22.03.2019</b> <b>Friday</b>	08:00	Opening Secretariat and Press Office	Bugac, Mayor's office 6114 Bugac, Béke út 10.
	08:00-10:00	Pick up of the Safety Systems	In Administrative Check
	08:00-10:00	<b><u>Administrative Check</u></b> Road book distribution,	Bugac, Mayor's office 6114 Bugac, Béke út 10.
	08:30-10:30	<b><u>Technical Scrutineering</u></b>	Bugac, Volunteer Firefighting Association Bugac, Béke út 10.
	10:00-11:00	<b><u>Entrance to the Parc Fermé</u></b>	Bugac, Area behind the Cultural House.
	11:30	First Steward Meeting	Bugac, Mayor's office 6114 Bugac, Béke út 10.
	12:30	<b><u>Briefing.</u></b> Publication of Start List Leg 1,	Bugac, Nagybugac 135. Táltos Lovaspanzió
	13:30	<b><u>Leg 1 START</u></b>	Bugac, Area behind the Cultural House.
	13:45	SS1 Start	Bugac
	14:50	SS2 Start	Bugac
	15:40	<b><u>Service</u></b>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	17:40	<b><u>FINISH Leg 1</u></b>	Bugac, Area behind the Cultural House
	19:00	<b><u>Publication of the Results Leg 1.</u></b> <b><u>Publication of Start List Leg 2.</u></b> <b><u>Closing of the Secretariat</u></b>	Bugac, Nagybugac 135. Táltos Lovaspanzió

DATE	TIME	EVENT	LOCATION
<b>23.03.2019 Saturday</b>	08:00	<u>Opening Secretariat</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	09:00	<u>Leg 2 START</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	09:15	SS 2 Start	Bugac
	10:45	<u>Service</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	12:25	SS 3 Start	Bugac
	14:00	<u>FINISH Leg 2</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	15:30	Publication of <b><u>Provisional Results</u></b>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	16:00	Publication of <b><u>Final Results</u></b>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	16:00	<b><u>PRIZE-GIVING CEREMONY</u></b>	Bugac, Nagybugac 135. Táltos Lovaspanzió

## 1 DESCRIPTION

### 1.1 LOCATION AND DATE OF THE EVENT:

**ADRENALIN CUP** will be held in Hungary, in Bács-Kiskun county.

### 1.2 THE EVENT:

#### **ADRENALIN CUP**

1<sup>st</sup> round of

**HUNGARIAN CROSS-COUNTRY RALLY CHAMPIONSHIP**

with coefficient 2,

and 1<sup>st</sup> round of **FIA CEZ CHAMPIONSHIP**

with coefficient 2,

### 1.3 VISA NUMBER:

MNASZ K- 60 /2019.03.06.

### 1.4 LOCATION OF EVENT HQ:

**LOCATION:** a): H-6114 BUGAC, Béke út 10. Mayor's Office  
**GPS: 46°41.225'É 19°40.952'K**  
b): H-6114 BUGAC, Nagybugac 135. Táltos Lovaspanzió  
**GPS: 46°40.246'É 19°39.244'K**  
**Time:** SEE ABOVE IN SCHEDULE

### 1.5 LOCATION OF START AND FINISH:

**LOCATION:** a): Bugac, Kossuth utca, area behind the cultural house.  
**GPS: 46°41.207'É 19°40.717'K**  
**START TIME: 22.03.2019. 13:30**  
**FINISH TIME: 22.03.2019 17:40**  
**START TIME: 23.03.2019 09:00**

**LOCATION:** b): Bugac, Nagybugac 135. Táltos lovaspanzió  
**GPS: 46°40.246'É 19°39.244'K**  
**FINISH TIME: 23.03.2019 14:00**

### 1.6 LOCATION OF PRESS OFFICE:

**LOCATION:** EVENT HQ, during office opening hours.

### 1.7 LOCATION OF OFFICIAL NOTICE BOARD:

**LOCATION:** H-6114 Bugac, Nagybugac 135. Táltos lovaspanzió  
**GPS: 46°40,246'É 19°39,244'K**

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

The average altitude above sea level of The Adrenalin Cup Selective Sections is **under 1000 metres**. Based on these the size of the competition vehicles air restrictor according to the Rule Book 8.2.4 points.

## 2 ORGANIZATION

### 2.1 ORGANISER'S NAME:

**Varga Racing Team ASE.**

### 2.2 ADDRESS & CONTACT DETAILS:

**Varga Racing Team ASE.**

**H-1163 Budapest, Legény utca 10.**

Responsible for the Event: **Varga Imre**

**Tel: +36 30 604 45 13**

### 2.3 ORGANISING COMMITTEE:

Patron of the Event:

Mr. László SZABÓ, Mayor of Bugac

Head of Organising Committee:

Mr Péter CZEGLÉDI

Members of the organising committee:

Mr. László POLGÁR

Members and Chief Safety Official:

Mr. György BALI

Secretary of the Rally:

Mrs. Mariann POLGÁR

### 2.4 STEWARDS:

Chairman of the Stewards

Mr. Tibor OROSZLÁN

Members

Mr. István LÁDI (SK)

Mr. György SELMECZI

### 2.5 OFFICIALS:

Clerk of the Course:

Mr. László POLGÁR

Chief Technical Inspector:

Mr. László TÜSKÉS

Chief Medical Officer

TBA

Chief Safety Officer:

Mr. György BALI

Secretary of the Rallye:

Mrs. Mariann POLGÁR

Crew's Relation Officer:

Mrs. Petra ILLÉS-POLGÁR

GPS Control

M-Info Kft.

### 2.6 IDENTIFICATION OF OFFICIALS AND MARSHALS:

MNASZ identification- everyone.

Chief Post Control: Red west, Timekeeper and Marshall: White or orange west.

## 3 ENTRIES

### 3.1 DATES:

Opening date for entries: **22.02.2019**

Closing date for entries: **12.03.2019**

### 3.2 ENTRY PROCEDURE:

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

With the certificate of payment should be sent to the following address:

**Varga Racing Team Autósport Egyesület**

H-1164 Budapest, Legény utca 10.

**e-mail: [terep-rallye.office@gmail.com](mailto:terep-rallye.office@gmail.com)**

### 3.3 NUMBER OF ENTRIES, GROUPS, CLASSES:

Groups announced: T1, T2, T3, TH, T4, 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:	60.000, HUF
Group Challenge: Without entry fee, but the GPS and the insurance fee:	30.000, HUF
Basic service plate per vehicle (50 m2 area):	Included in Entry fee!
Plus Service area 50 m2	For free!
Mobile homes, Promo vehicle	For free!
Service vehicle entry permission (Windshield sticker)	For free!

With the signing the entry form of particular race, 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:

Varga Racing Team Autósport Egyesület

**UniCredit Bank:** Account number: **10918001-00000106-08210004**

**IBAN:** HU98 1091 8001 0000 0106 0821 0011

**SWIFT:** BACXHUHB

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, <b>installation package</b> (rent)	5.000, HUF
GPS + Overtaking system, <b>installation package</b> (buy)	15.000, HUF

## 4 INSURANCE

According to INSURANCE INFORMATION 2019.

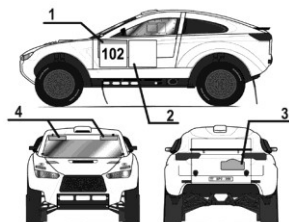
**4.1. complementary compulsory liability insurance:** Included in Entry Fee!

## 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 (ASN) 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. Refuelling in the refuelling zone in the Service Park.

## 9 ADMINISTRATIVE CHECKS

**9.1 LOCATION:** **BUGAC, MAYOR'S OFFICE**  
**Bugac, Béke út 10.**

**GPS:** 46°41.226'É 19°40.949'K

**9.2 TIME AND SCHEDULE:**

**22.03.2019 08:00 – 10:00**

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 Technical Passport for competitors with foreign licences

## 10 TECHNICAL SCRUTINEERING AND MARKINGS

**10.1 LOCATION:** Volunteer Firefighter Association in Bugac.  
Bugac, Béke út 10. GPS: 46°41.204'É 19°40.985'K

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

**10.2 TIME AND SCHEDULE:**

**22.03.2019 08:30 – 10:30**

**10.3 PARC FERMÉ:**

Following the technical scrutineering, each vehicle must be set in Parc Fermé between **10:00 and 11:00** See 12.1.

**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**

**NOT WILL BE HELD.**

### **12 START OF THE EVENT**

#### **12.1 PRE-START PARC FERMÉ:**

**LOCATION:** H-6114 BUGAC, Kossuth utca, behind the Cultural House

**TIME:** 22.03.2019 10:00-11:00

**GPS:** 46°41.207'É 19°40.717'K

#### **12.2 BRIEFING: (COMPULSORY)**

**LOCATION:** H-6114 BUGAC, Nagybugac 135. Táltos Lovaspanzió

**TIME:** 22.03.2019 12:30

#### **12.3 PUBLICATION OF START LISTS AND START TIMES:**

According to Schedule.

#### **12.4 START CEREMONY / OFFICIAL START:**

**LOCATION:** H-6114 BUGAC, Kossuth utca, behind the Cultural House

**TIME:** 22.03.2019 13:30

### **13 RUNNING OF THE EVENT**

#### **13.1 DISTRIBUTION OF ROADBOOKS**

At administrative check.

#### **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 TC12.

#### **13.3 LIMITED DELAY**

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

#### **13.4 FIXED PENALTY**

Saturday, those competitors who got fixed penalties can restart to the race- at of IE/TC 11, 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. (TC 6, TC 15)

### 13.6 PARC FERMÉ:

Between the Legs (for the night) race vehicles must be placed in the Parc Fermé.

**LOCATION:** **BUGAC, Kossuth utca, behind the Cultural House**

## 14 SERVICE PARK

**14.1 LOCATION:** TÁLTOS LOVASPANZIÓ, BUGAC, NAGYBUGAC 135.  
**GPS: 46°40.246'É 19°39.244'K**

### 14.2 OTHERS:

**Washing in the Service Park area is prohibited.**

**Refuelling in the refuelling zone in the Service Park.**

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

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

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 participants, that the Service Park is not guarded at night time!**

## 15 PROTESTS

Protest fee:	General:	100.000 HUF
	Technical:	100.000 HUF

## 16 FINAL TECHNICAL SCRUTINEERING

**LOCATION:** **Parc Fermé**  
**TIME:** **23.03.2019 from 14:00**

## 17 RESULTS

### 17.1 PUBLICATION OF PROVISIONAL CLASSIFICATION LEG 1:

TIME: 22.03.2019 19:00

### PUBLICATION OF PROVISIONAL CLASSIFICATION LEG 2:

TIME: 23.03.2019 15:30

### 17.2 PUBLICATION OF FINAL RESULTS:

LOCATION: 23.03.2019 16:00

TIME: Official Notice Board

## 18 PRIZES

### 18.1 PRIZEGIVING:

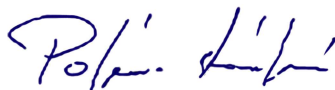
**LOCATION:** H-6114 Bugac, Nagybugac 135. Táltos Lovaspanzió

**TIME:** 23.03.2019 16:00

## 19 SIDE BY SIDE GROUP

Rules: Hungarian Cross Country Rally, General Prescriptions 2019.

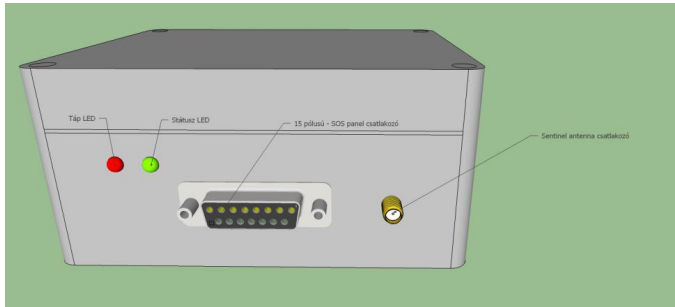
VISA NUMBER: MNASZ K- 60 /2019.03.06.



---

**Mr. László POLGÁR**  
**Cross-Country Rallye Committee**

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



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.

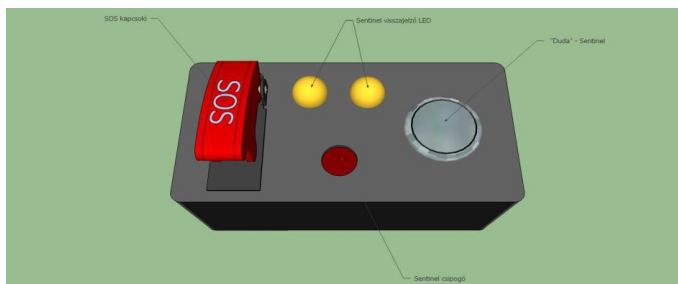
Alternate method is retrospective data analysis. In this case, the data collected what has been received by a specified time interval sets the database to a file, and the data can be evaluated from point to point.

## 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 into the 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 dashboard 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.

**More info: +36 30 241 31 11**

**Mr. Zsolt MARTON**



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 .
- At the end of the race the device should be returned to the colleagues, where the deposit will be repayed. In case if the device has any problem, until identifying the problem, the competitor is entitled to the deposit only after a corresponding deduction.