	2022.03.30.	**Time**	**17:00**
Cím	**Bulletin No. 1**	**Doc. Nr.**	**1**
Kitől:	**Organizer**	**Page:**	**9**
Kinek:	**All M/Q Competitors**	**Attachment**	**4**

1.3 Length of Selective Sections: Listed in attached Time Table

2.5 Jury:
Jury President Mrs. Brigitta VARGA

2.7 Senior Officials:
Chief Medical Officier: 2022.04.01. Dr. Adrienn MATUSEK
2022.04.02. Dr. László NÉMETH

2.8 Digital Notice Board:

3. Program:
Driver's Briefing:
Will be completed in an electronic form with a document uploaded to the electronic notice board.

11.7 additional procedures
On the 2022.04.01. afternoon the Organizers are inviting all competitors to a banquet. (Address: Kapuvár, Piac tér 3; behind the Park fermé.)- Entry permitted only with a bracelet which will be handed over at the administrative check. For competitors free.
On the 2022.04.02. as in a previous years, the organizing committee will again provide a lunch for the competitors, which can be taken in the service park once the vehicle was put into the regrupping. Entry permitted only with a lanyard neck strap which will be handed over at the administrative check. For competitors free.

Additional bracelet and lanyard can be purchased for both events at the Admin. check. Prize: ***3500 HUF/10 Euro*** *each.*

11.9. Start Intervalls:
1 min per b/q.

11.10. Service
Service is only permited after the Service Zone start board and before the Service Zone finish board. Those are marked in he Road book and at the location as well.
In case of Service „A", there is **no time control** check created, before and after the service Zone.
In case of service „B", „C", „D" and „E" only **Service Out** Time control check is created.

Competitors, who already completed ASS7, may pass by the TC6A time control. For them this TC is no longer operational and cannot be interpreted as a re-entry.

11.10.5 Refuel Zone:

- No Refuel Zone are created.
- Refueling is permitted at the fuel stations marked in the roadbook, but it is not obligatory.
- The type and quality of the fuel is listed in the timetable.

11.11 Speed Control Zones:

- the start and the finish of the Speed Control Zones with the maximum speed is listed in he Road Book.
- Speed Control Zone Penalties: 1st. occasion 5 min, 2nd. occasion 10 min, every other occasions 15 min. (TROB 37.2.6)

13 Prize: The city of Kapuvár offers a special prize for the fastest competitor on Friday (2022.04.01.)

FIA CEZ Cross-Country Rally Championship Rd.1
MNASZ Hungarian Cross-Country Rally Championship Rd.1
MAMS International Open Baja Cup, with International Participants Rd.1
Terep-Rally Utánpótlás

Pápoc / HUN
01-02.04.2022.

1.Attachment: Timetable

BIKE	RIVERSIDE BAJA 2022	Péntek / Friday 2022. 04. 01.					
	Sunrise: 06:24					Sunset: 19:12	
IE/TC	Helyszín/ Location	MAX TIME	Gyors.táv	Közúti táv	Össz táv	Etap idő	1. motor
		hh:mm	SS Km	Liaison Km	Total Km.	Target time	1st bike
TC0	PARC FERME KI/OUT						15:00
TC1	PÁPOC			0,79	0,79	0:10	15:10
DSS1	START PÁPOC (Temető) +CH	0:30				0:05	15:15
ASS1	FINISH PÁPOC (Petőfi u.)		13,42			Expected time of arrival	15:24
	PÁPOC						
	SERVICE A		(13,42)	(0,79)	(14,21)		
TC2	PÁPOC			0,68		1:25	16:49
DSS2	START PÁPOC (Temető) +CH	0:30				0:05	16:54
ASS2	FINISH PÁPOC (Petőfi u.)		13,42			Expected time of arrival	17:03
	PÁPOC						
	SERVICE B		(13,42)	(0,68)	(14,10)		
TC2A	Service KI/OUT			1,03		1:15	18:09
*TC2B**	*Start Ceremónia Kapuvár*			*29,70*		*0:50*	*18:59*
	PARC FERME BE/IN			*0,11*			
	FRIDAY TOTALS		26,84	32,24	59,08		

1. szekció / section — 1. Szakasz / Leg 1

BIKE	RIVERSIDE BAJA 2022	Szombat / Saturday 2022. 04. 02.					
	Sunrise: 06:22					Sunset: 19:13	
TC2C	PARC FERMÉ KI/OUT						8:00
TC3	*VITNYÉD Polaris Arena*			*6,79*	*6,79*	*0:10*	*8:10*
DSS3	*START SS3 +CH*	*0:20*				*0:05*	*8:15*
ASS3	*FINISH SS3 Csermajor u.*		*4,14*			Expected time of arrival	8:19
	VITNYÉD Polaris Arena						
!	MOL Petrol Station / MOL kút - 95, 100, Diesel, Diesel+, Coffe (18,3km)						
TC4	*PÁPOC Lánka Patak*			*32,16*	*38,95*	*0:45*	*9:04*
DSS4	START SS4	1:20				0:05	9:09
ASS4	FINISH SS4 Sárvár u.		49,88			Expected time of arrival	9:43
	PÁPOC						
	SERVICE C		(54,02)	(38,95)	(92,97)		
TC4A	Service KI/OUT			2,06		1:00	10:43
TC5	PÁPOC Lánka Patak			1,59		0:10	10:53
DSS5	START SS5 +CH	1:20				0:05	10:58
ASS5	FINISH SS5 Sárvár u.		49,88			Expected time of arrival	11:32
	PÁPOC						
	SERVICE D		(49,88)	(3,65)	(53,53)		
TC5A	Service KI/OUT			2,06		1:00	12:32
TC5B	Gyűjtő Be / REGROUPING IN			0,44		0:03	12:35
TC5C	Gyűjtő KI/ REGROUPING OUT					1:00	13:35
TC6	PÁPOC Lánka Patak			1,49		0:10	13:45
DSS6	START SS6	1:20				0:05	13:50
ASS6	FINISH PÁPOC (Arany J. utca)		50,49			Expected time of arrival	14:24
	PÁPOC						
	SERVICE E		(50,49)	(3,99)	(54,48)		
TC6A	Szervice KI/OUT			0,41		1:00	15:24
TC7	PÁPOC Lánka Patak			1,59		0:10	15:34
DSS7	START SS7 +CH	1:20				0:05	15:39
ASS7	FINISH PÁPOC (Arany J. utca)		50,49			Expected time of arrival	16:10
	PÁPOC						
TC7A*	PÁPOC PARC FERME			0,73		0:10	16:20
	SATURDAY TOTAL		204,88	49,32	254,2		
	FRIDAY TOTAL		26,84	32,24	59,08		
	OVERALL TOTAL:		231,72	81,56	313,28	73,96%	
	(*) early check-in authorized / (*) korai érkezés engedélyezett						

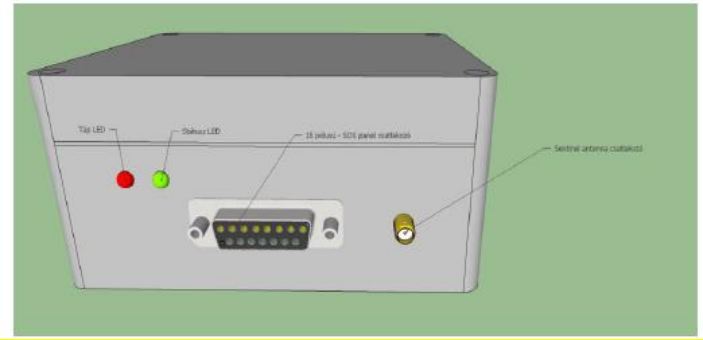
2. szekció / section — 2. Szakasz / Leg 2

3. szekció / section

3. Attachment: Advertisment

5. Attachment

Technical description of the operation of the GPS system



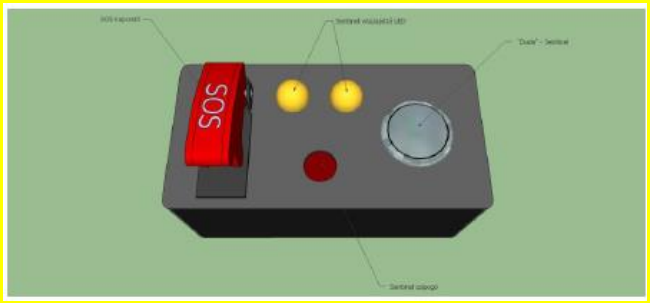
GPS box Sizes: 115x90x55mm Weight: 340g + pipe clamps 110g

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 graund there are 7-25 satellites visib-le at the same time, of which for positioning at least three, for the height above sea level one additional satel-lite 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 causd 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 formu-la. This is true, but that the speed of radio waves are only constant in the vacuum pressure.

Receive GPS data
GPS data is received with a SiRFstar IV type GPS antenna. Based on factory data, the accuracy in open terrain is 2.5 meters. The accuracy of the values measured by the GPS antenna also affects the position as well as the speed measured from the change of position. Around the inaccurate coordinates, the speed will also be inaccurate compared to the actual speed.
Evaluation of the Data
The evaluation of uploaded data can be determined inf 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 strenght 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 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.

Vehicle to Vehicle Alarm (VTVA) function

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 vehicle to vehicle alarm system has two functions:
-"Toot" function, which indicates the overtaking intent of a VTVA equipped car up to 100m distance. Pressing the SOS button, placed in 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 overtaked 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 overtaked'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.

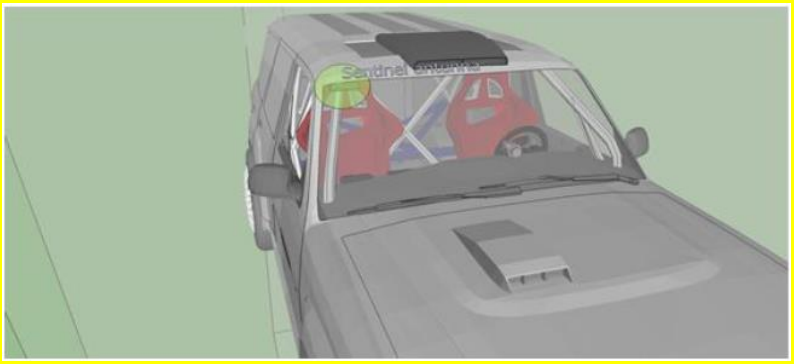


2. ábra: SOS Panel: Sizes: 95x48x67mm Weight: 120 g

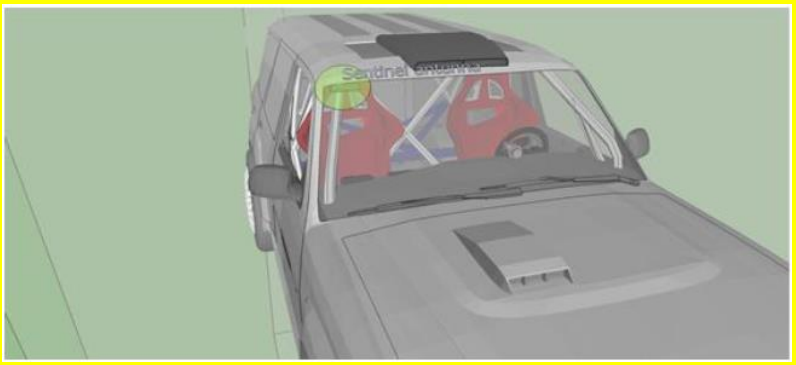
Tool Installation

-SOS panel, vehicle to vehicle alarm system antena 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 vehicle to vehicle alarm system antenna

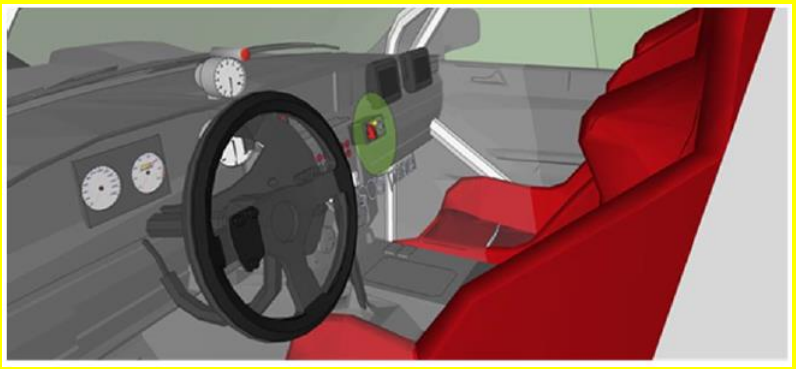
3.ábra: How to install 1.4



4.ábra: How to install 2.4



5. ábra: How to install 3.4



6. ábra: How to install 4.4

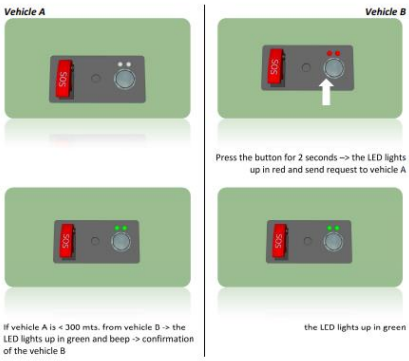
-To verify the functionality of the device will take place at the Technical Scrutineering.
-At the end of the race the device should be returned to the colleagues, where the deposit will be repayed. In case if the device has any problem, until identifying the problem, the competitor is entitled to the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

More info: **Marton Zsolt: tel: +36302413111**

Emergency

SOS Switch allows you to send notification to the CROSS-COUNTRY RALLY HQ

Vehicle B wants to overtake



Press the button for 2 seconds --> the LED lights up in red and send request to vehicle A

If vehicle A is < 300 mts. from vehicle B -> the LED lights up in green and beep -> confirmation of the vehicle B

the LED lights up in green

Info line: +36 30 999 3000

6. Attachment

1. Time cards and Exchange: Regrouping + TC2A

3. Fixed Penalties

Competitors, who can't complete a Leg for any reason (getting lost, techical problem, etc.) but capable of arriving their vehicle to the regrouping until the start of the next section until the start time of the 1st competitor (According to the timetable Car) or the TC end of the Leg „park fermé" receiving the following penalties:

SS Not finished in the Maximum time and having taken the start SS

- 150% of the Maximum time

SS Not Started

- 2* Maximum Time , at least 240 Min.

This penalty can only be applied once on a Leg.
On Friday 2022.04.01 competitors, who have not completed a selective section may enter the Park Fermé at the end of the day and continue on the next Leg.
On Saturday , 2022.04.02. one (1) Selective Section must be completed by the competitor to be evaluated and put into the classification.

Other Penalties:
Missing TC: 1 Hour Penalty
Maximum lateness between TCs: 30 min.
Maximum lateness on a LEG : 30 min.

The Official Itinerary is that shown in the road book and defined by drawings. The itinerary and the road direction diagrams in the road book must be followed.
Should a competitor leave the route, he must retrace his tracks and return to that point before continuing. Failure to do so will incur a penalty of 15 minutes which may be increased at the discretion of the Stewards.