



EVENT HANDBOOK

FORMULA STUDENT PORTUGAL 2023



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CHANGELOG

DATE	VERSION	COMMENTS
04/07/2023	v1.0	First release
10/07/2023	v1.1	Added an Introduction Updated emergency information Updated General Info Added information about dataloggers and dynamic area/media vests Several graphic fixes Added helpful locations Added Medical Center location Updated Rule and Guidelines Added Camping and Cooking area rules
28/07/2023	v1.2	Updated arrival procedures Updated Event Map Updated Charging procedure Updated Campsite rules Added Tech. Inspection slots Added Statics slots Schedule updated Tech Talks added Added Teams photo info Added Shuttle Schedule Updated Statics Scoring Added Data Logger Information


INTRODUCTION

This is the handbook for Formula Student Portugal 2023. Whenever in conflict, it supersedes Formula Student Rules v1.1 (a.k.a. FS Rules).

The Handbook presents the contacts in case of emergency, information about the teams, the venue, the campsite, and both the statics and scrutineering schedules and procedures.

Additional rules and guidelines are also provided to ensure an enjoyable event for everyone.

We have also added helpful locations to make sure you can find whatever you need during the event.

Throughout this handbook, whenever you see this symbol:  you can use it to quickly jump to the location in Google Maps.



EMERGENCY INFORMATION

MINOR INJURY

In the event of a minor injury (shallow cut, small bruising, etc) please contact one of the Staff members. A First-Aid medical post is readily available during the working hours of the event site.

SEVERE INJURY

If someone is severely injured and requires urgent help please do not hesitate and immediately call the emergency services: **112**. If you have proper first aid training, help to the best of your ability. Contact a White Shirt as soon as possible.

EMERGENCY CONTACTS



Hospital Amato Lusitano (Hospital)

Address: Av. Pedro Alvares Cabral 3, Castelo Branco

Phone: +351 272 000 180 (Urgency)



Bombeiros Voluntários de Castelo Branco (Firefighters)

Address: R. Cmte. Lucio Pereira, Castelo Branco

Phone: +351 272 342 122



GNR - Comando Territorial de Castelo Branco (Police)

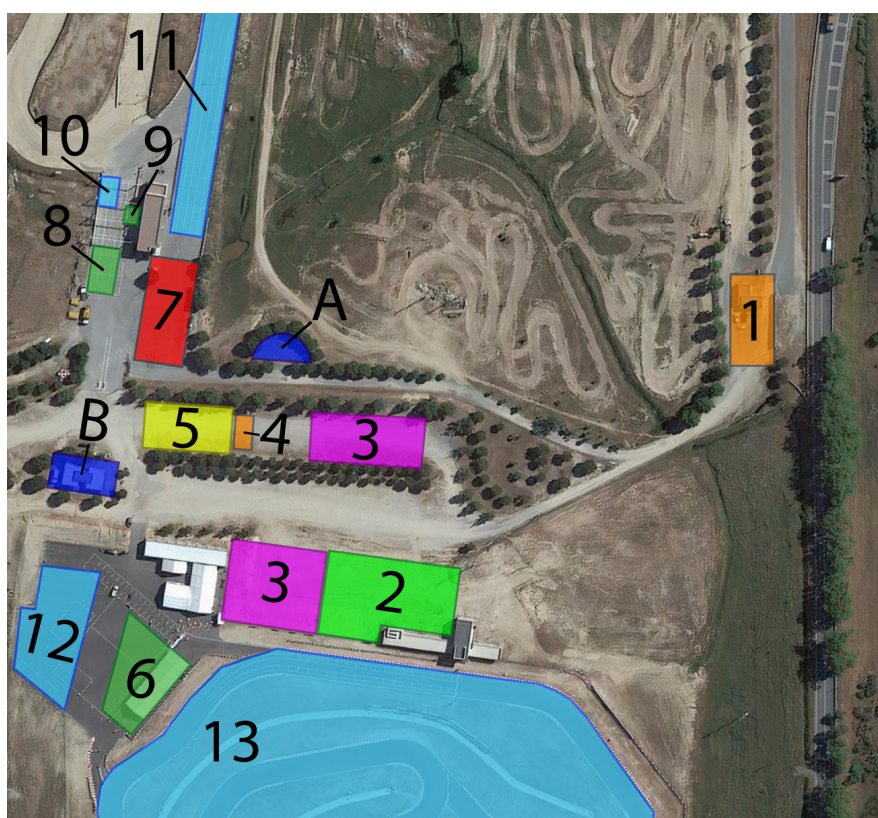
Address: Av. Cidade de Zhuhai 167RC, 6000-077, Castelo Branco

Phone: +351 272 340 900



VENUE

EVENT SITE

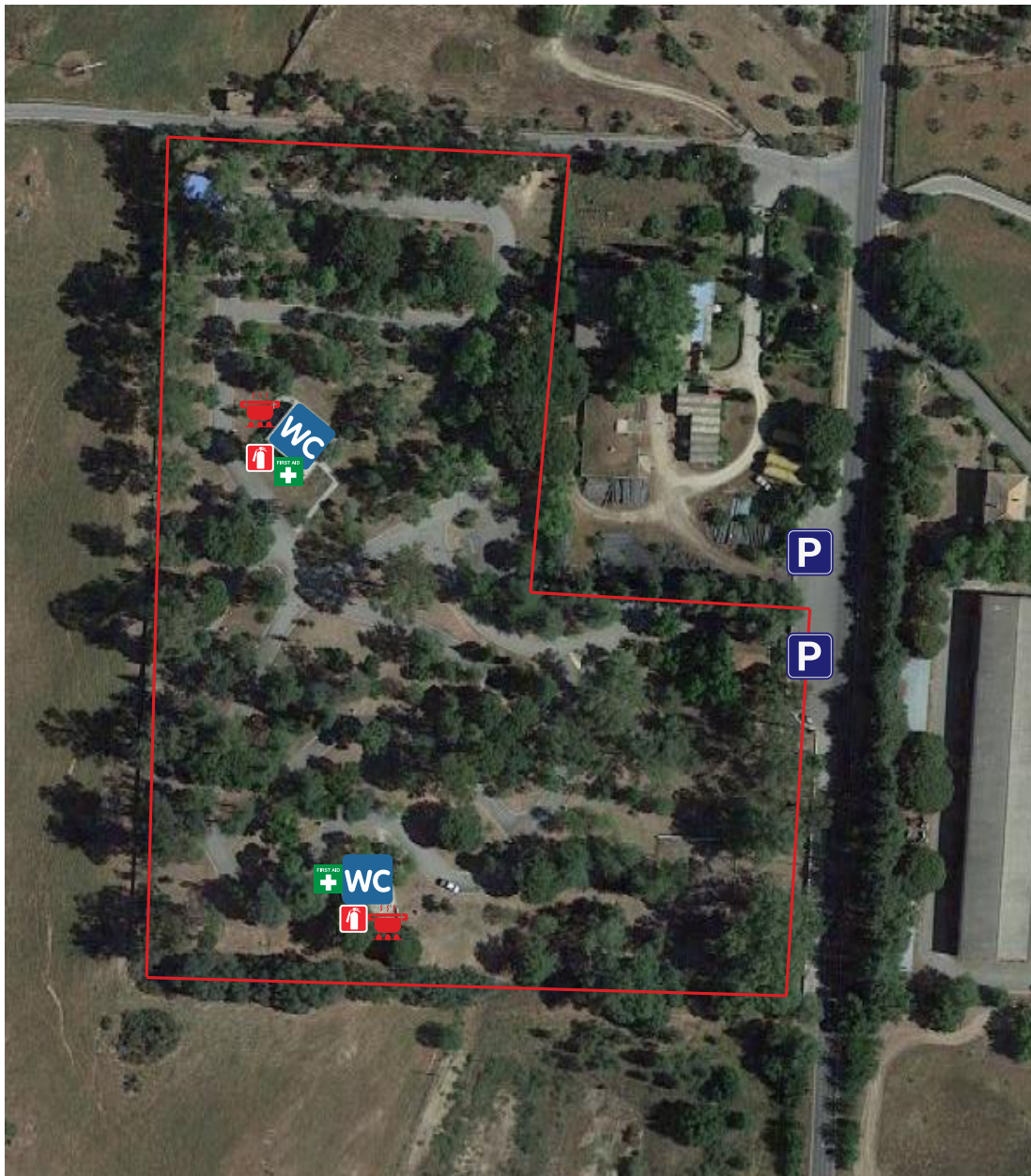


- 1 Entrance
- 2 Park - Teams
- 3 Park - Organi.
- 4 Race Control
- 5 Sponsors' Stage
- 6 Scrutineering
- 7 Paddock
- 8 Charging Tent
- 9 Rain Test
- 10 Weld Area
- 11 Accel./Brake Test
- 12 Practice/Skidpad
- 13 Endurance/AutoX
- A Medic
- B WC



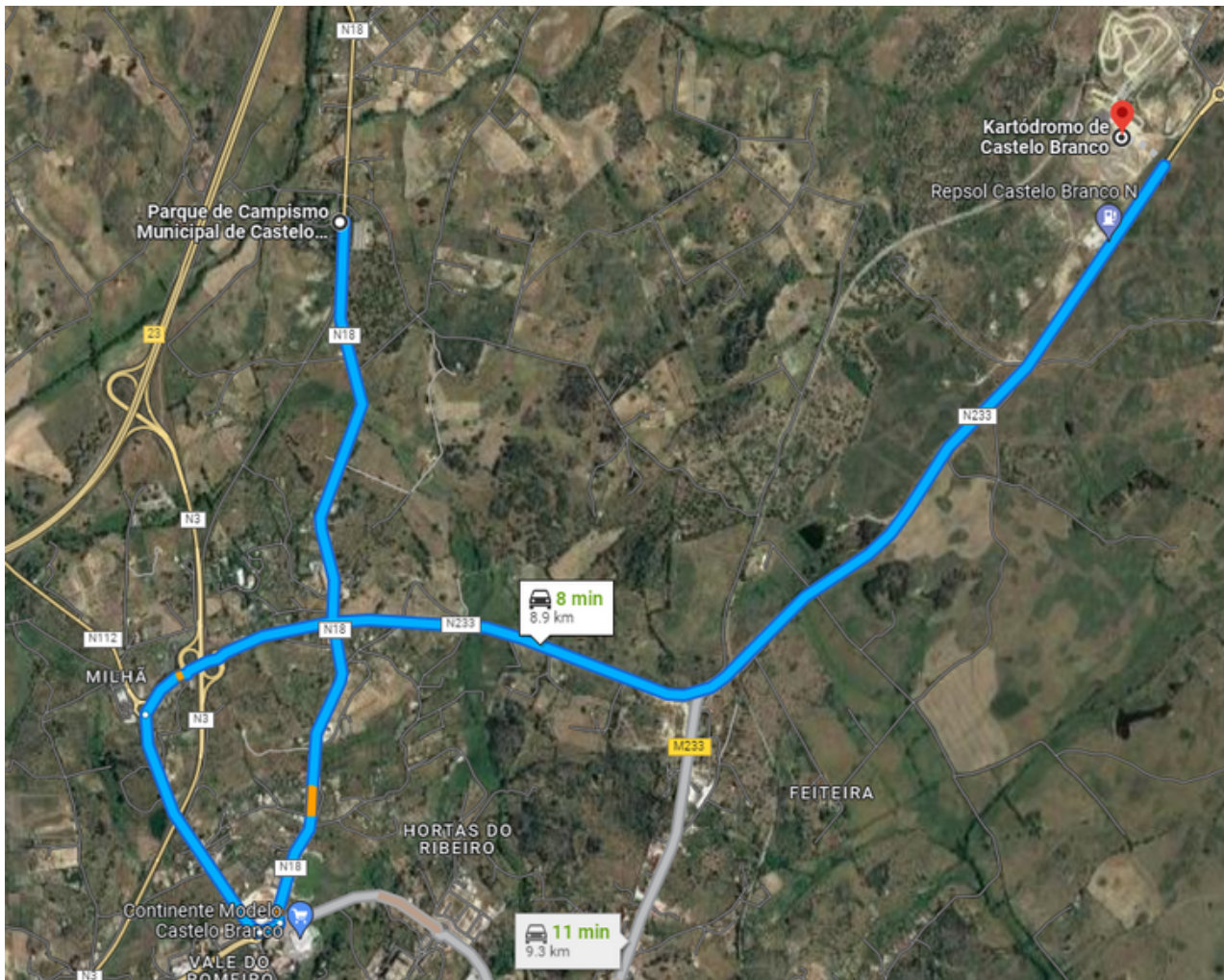
VENUE

CAMPING SITE





CAMPING TO EVENT SITE



From the camping site to the venue takes 8 minutes by car. It is strongly discouraged to walk from the camping site to the venue!

We have scheduled regular shuttles, still teams are advised to bring cars or vans.



VENUE

SHUTTLE SCHEDULE

31 JULY DEPARTS AT:		1-5 AUGUST DEPARTS AT:	
Camping -> Venue	Venue -> Camping	Camping -> Venue	Venue -> Camping
17:30	17:45	06:45	07:00
18:00	18:15	07:15	07:30
18:30	20:00	07:45	08:00
20:15	20:30	08:15	08:30
20:45	21:00	08:45	09:00
21:15	21:30	10:00	10:30
21:45	22:00	11:00	11:30
		12:00	12:30
		13:00	13:30
		14:00	14:30
		15:00	15:30
		16:00	16:30
		17:00	17:30
		18:00	18:15
		18:30	18:45
		19:00	19:15
		19:30	19:45
		20:00	20:15

GENERAL INFO



ARRIVAL AND REGISTRATION FEE

Date: Monday, 31 July

Time: from 2:00pm

Event Location: Kartódromo de Castelo Branco



Campsite Location: Parque de Campismo Municipal de Castelo Branco



The competition itself will run from August 1st to August 5th 2023, but with an assembling day on July 31st and a disassembling day on the 6th.

At arrival, you should go to the Race Control where a Staff member will give you all the needed information about the next steps - registration, parking, camping, etc.

The competition fee will be 100 euros (+VAT if applicable) per participant and will include access to the camping site and all of its infrastructure between the 31st of July and the 6th of August.

The payment of this fee can be made by bank transfer to the following bank account. Please add the team name to the transfer description.

Bank: Bankinter, S.A. - Sucursal em Portugal

IBAN: PT50 0269 0106 00200081126 17

BIC/SWIFT: BKBKPTPL

Bankinter address: Praça Marquês de Pombal, nº13, 2º andar, 1250-162 Lisboa

After this date, additional team-members can be paid for in cash at the venue.

All team-members must be registered through a Google Forms link that will be made available on July 10th through e-mail and website

GENERAL INFO



PIT AND CAMPING SITE (DIS)ASSEMBLY

Date: Monday, 31 July and Sunday, 6 of August

Time: from 2:00pm, up to 1:00pm

Event Location: Kartódromo de Castelo Branco



Campsite Location: Parque de Campismo Municipal de Castelo Branco



Assembling

Teams may start assembling their pits at 14:00 on the 31st of July. A maximum of 5 teams are allowed at the same time. Each team has 45 min to unload the vans or trucks. The order will be defined through a first-come-first-serve basis.

Disassembling

Teams are required to package and clean both pits and camping site until 13:00 on the 6th of August.

RACE CONTROL

The Race Control is open on the 31st of July from 14:00 to 20:00 and the remaining days from 8:00 to 20:00. Make sure every team-member is registered by the 31st of July.

GENERAL INFO



DATALOGGERS AND VESTS

Each team will receive an official FSG datalogger, 3 dynamic area vests and 1 media vest upon registration at the Race Control.

The datalogger requires a deposit of 150€, which will be refunded once the datalogger is returned.

The dynamic area and media vests require a deposit of 30€, which will be refunded once the vests are returned.

VISITORS

Visitors will be allowed on the Venue between the 1st and the 5th of August. The entry fee will be 5€ for a single-day pass and 10€ for the week pass. Payment must be made at the site in cash.

To avoid crowds, there will be limitations to the number of visitors within the paddock and sponsors tent at any given moment.

GENERAL INFO

HELPFUL LOCATIONS



Groceries - Continente (also has 2 ATMs)

Address: Av. da Europa Quinta da Taipa, 6000-145 Castelo Branco
Schedule: 8AM-10PM



Cheapest gas station - Auchan

Address: Zona Industrial de Castelo Branco, 6000-459 Castelo Branco
Schedule: Open 24h



General workshop supplies - Leroy Merlin

Address: Estrada Nacional 18 Apartado 1131, 6000-050 Castelo Branco
Schedule: 9AM-9PM



Specialized workshop supplies - BeiraTools

Address: Zona industrial, Rua D, 6000-459 Castelo Branco
Schedule: Mon.-Fri.: 9AM-1PM, 2:30PM-6:30PM, Sat.: 9AM-12:30PM



Camping supplies - Decathlon

Address: R. Cunha e Castro 14, 6000-060 Castelo Branco
Schedule: 9AM-9PM



Pharmacy - Farmácia Tanara Fórum

Address: Av. Prof. Dr. Egas Moniz 901, 6000-901, Castelo Branco
Schedule: 9AM-10PM



Affordable Restaurant - Roxo

Address: Zona Industrial de Castelo Branco, 6000-459 Castelo Branco
Schedule: 9AM-5PM



#	TEAM	UNIVERSITY	CLASS
14	Unex Motorsport	Universidad de Extremadura	CV
22	Engenius UA - Formula Student	Universidade de Aveiro	CV
88	Nova Racing Team	EPSEVG - Universitat Politècnica de Catalunya	CV
92	CESIRACE	CESI Ecole d'ingénieurs	CV
111	BlueStreamline	Transilvania University of Brasov	CV
214	UJI MOTORSPORT FS TEAM	Universitat Jaume I	CV
373	MAD Formula Team	Universidad Carlos III de Madrid	CV
E10	Formula Technion	Technion - Israel Institute of technology	EV, DV
E15	UPC ecoRacing	UPC Terrassa	EV,DV
E20	Formula Student FEUP	University of Porto	EV
E26	UBRacing	University of Birmingham	EV
E27	Team Bath Racing Eletric	University of Bath	EV
E30	ISEL Formula Student	Instituto Superior de Engenharia de Lisboa	EV
E50	FST Lisboa	University of Lisbon	EV, DV
E57	Metz Racing Team	ENI Metz	EV
E74	Formula Student Vitoria	UPV/EHU	EV



CLASS II TEAMS

#	TEAM	UNIVERSITY	CLASS
D1	FSUMinho	University of Minho	II
D2	LART	Politécnico de Leiria	II
D3	eMART	Universidad de Malaga	II
D4	PHISEC Racing	Instituto Superior de Engenharia de Coimbra	II
D5	FSIPS - Formula Student IPS	Instituto Politécnico de Setúbal	II
D6	FSFCT	Universidade Nova de Lisboa - Faculdade de Ciências e Tecnologia	II
D7	Scuderia Vanvitelli	University of Campania	II

SCHEDULE

TIME	31 JULY	1 AUGUST 2 AUGUST	3 AUGUST	4 AUGUST	5 AUGUST	6 AUGUST
8:00		Team Briefing	Team Briefing	Team Briefing	Team Briefing	
9:00		Technical Inspection	Technical Inspection	Skid-Pad & Auto-X DV	Endurance	Truck Loading
10:00	Static Events					Static Event Finals
11:00						
12:00						
13:00						
14:00	Arrival Unloading Pit Setup	Technical Inspection	Technical Inspection			
15:00			Static Events			
16:00					Trackdrive	
17:00					Award Ceremony	
18:00			Acceleration	Auto-X		
19:00		Teams Photo Aug. 2				
20:00	Welcome Ceremony					
21:00						

TECH TALKS: SCHEDULE

WHEN	TITLE	WHO
Wednesday, 2th of August		
14:30 - 15:30	How not to kill a team	João Paulo Monteiro
15:30 - 16:30	Accelerating Autonomy: Converging Perspectives from Motorsport, Industry, and Academia	Mark Preston Alexandra Moutinho Manuel Pereira
Thursday, 3th of August		
13:30 - 14:30	Formula Student and Ballistic Missile Development: Similarities from a Systems Engineering Perspective	João Paulo Monteiro
15:00 - 16:00	Sensors & Perception / Navigation & Mapping	Nuno Salgueiro
Friday, 4th of August		
15:00 - 16:00	Drone Technology Innovation: Behind the scenes	TEKEVER



RULES AND GUIDELINES

GENERAL DESCRIPTION

The competition official rules are Formula Student Rules 2023 (v1.1), which can be found on the FS Germany website, also known as FS Rules. This handbook supersedes any contradiction with the FS Rules.

The official language of Formula Student Portugal is English. This applies to every document and static event.

There will be three categories in FSPT 2023: Combustion vehicle (CV), Electric vehicle (EV) and Driverless vehicle (DV). There will also be a special event dedicated to teams without a physical car, also known as class 2.

EVENT PHOTO

A photo of all teams will be taken on August 2nd at 19:00 on the acceleration track.

Please bring your car and you may also bring your country's flag.

Presence is mandatory and a penalty of 20 points will be applied to any team that does not show up for the team photo with their car.

TEAM PHOTO

There will be time slots for a photography session for each individual team, featuring the car and all the team members, this will take place at the main stage in the sponsors' tent. These time slots can be seen in the following table. Please be at the tent's entry at the designated time and proceed to the stage when the previous team exits. Teams are advised to bring team-related objects (of reasonable size).

RULES AND GUIDELINES

TEAM PHOTO SCHEDULE

#	TEAM	TIME SLOT
14	Unex Motorsport	Aug 1 - 10:30-11:00
22	Engenius UA - Formula Student	Aug 1 - 14:00-14:30
88	Nova Racing Team	Aug 1 - 12:00-12:30
92	CESIRACE	Aug 1 - 9:00-9:30
111	BlueStreamline	Aug 1 - 12:30-13:00
214	UJI MOTORSPORT FS TEAM	Aug 1 - 10:00-10:30
373	MAD Formula Team	Aug 1 - 11:30-12:00
E10	Formula Technion	Aug 2 - 11:00-11:30
E15	UPC ecoRacing	Aug 2 - 10:30-11:00
E20	Formula Student FEUP	Aug 1 - 16:00-16:30
E26	UBRacing	Aug 1 - 16:30-17:00
E27	Team Bath Racing Electric	Aug 1 - 15:30-16:00
E30	ISEL Formula Student	Aug 1 - 9:30-10:00
E50	FST Lisboa	Aug 2 - 11:30-12:00
E57	Metz Racing Team	Aug 1 - 11:00-11:30
E74	Formula Student Vitoria	Aug 1 - 17:00-17:30
D1	FSUMinho	Aug 2 - 9:00-9:30
D2	LART	Aug 2 - 9:00-9:30
D3	eMART	Aug 2 - 9:00-9:30
D4	PHISEC Racing	Aug 2 - 9:30-10:00
D5	FSIPS - Formula Student IPS	Aug 2 - 9:30-10:00
D6	FSFCT	Aug 2 - 9:30-10:00
D7	Scuderia Vanvitelli	Aug 2 - 18:30-18:40



RULES AND GUIDELINES

BEHAVIOUR

As per A6.6 of the FS Rules, alcohol, illegal drugs, weapons, or other illegal material are prohibited at the event venue during the competition. In addition, if any team member is tested with an alcohol level higher than 0.0‰, he or she will be immediately disqualified for the rest of the competition. If a second team member is found to have an alcohol level higher than 0.0‰ will result in the entire team being disqualified immediately.

Use of motorcycles, quads, bicycles, skateboards, or rollerblades in the dynamic area is prohibited.

Alcohol is allowed at the camping site.

WORKING ON THE VEHICLE

Use of any tool that results in sparks (angle grinder, welding, etc) must be done in the welding area. When using angle grinders, safety glasses are required. Always be aware of your surroundings and perform the necessary work in the safest way possible for you and the other team members. Do not hesitate to contact the Staff if you have any safety-related questions.



RULES AND GUIDELINES

CAMPSITE GENERAL RULES

Each team has an assigned zone in which to assemble their sleeping and social areas. The dimension of each zone takes into account the amount of members your team has registered for the competition. If you find the space insufficient please talk with a member of the organisation.

No cars or vans are allowed inside the camping site, except to unload or load camping equipment.

At the front entrance, it is possible to park cars and vans. No trucks are allowed in this parking area as well.

No noise is allowed in the campsite after 2h00 except for the last day (5th of August).



RULES AND GUIDELINES

CAMPSITE ARRIVAL AND ASSEMBLING

Before arriving at the campsite make sure you have been to the race control to find your camping zone. Inside the campsite there are several staff members to help you find your location, park your cars and answer other questions you may have.

FIRST AID KITS

At the campsite there are two first aid kits for you to use in case of minor injuries. If you have any questions regarding the usage of the kits content please contact a staff member.

For more severe injuries please call the emergency number first and notify a member of the organisation.

TRASH

Keep the campsite clean. Throughout the campsite there are several trash bins and recycling bins, please use them. No cleaning will be performed at your camping zone during the competition.



RULES AND GUIDELINES

FIRES AND SMOKING

No open fires are allowed outside the cooking area. If you wish to cook at your team's camping zone, please do so using electric stoves.

Smoking of regular (combustible) cigarettes is also forbidden around the campsite. If you wish to smoke, please do so at the front entrance. Please use the designed ash trays to dispose of your cigarette bites.

COOKING AREA RULES

The campsite has two designated cooking areas. They open on the 31st of July at 16h00 and close on the 5th of August at 23h00. Each day, these areas are open from 9h00 to 23h00.

If you use a gas stove, make sure your gas bottles have a maximum capacity of 30 Kg.

All ashes shall be disposed of in the designated barrels.

No fires can be left unattended.

At the end of the cooking activities you need to make sure there is no way the gas can exit the bottles and that the connections to the stoves are completely closed.

Each team can have at most 3 people inside the cooking area at each time. Be aware that if it is too crowded, a staff member may ask for one of you to leave.

DISHWASHING

There are two areas for dishwashing available at the campsite. You need to bring your own soap and other supplies.

Please keep the sinks clean and unclogged.



TECHNICAL INSPECTION

CHARGING AND FUELING

[EV ONLY] Charging

The charging area is a separated dynamic area including separate entrance restrictions.

Only three members per team may enter the charging area at the same time. One of them must be a Electrical System Officer (ESO) or Autonomous System Responsible (ASR), respectively.

Inside the charging area, team members must not wear any conductive jewelry and must not wear any conductive objects of any kind which could touch the accumulator.

400 V, 50 Hz, 3phase CEE charging connectors (3L+N+PE 6h) with 16A and 32A as well as 230V, 50Hz, 1phase CEE 7/3 "Schuko" are available in the charging area.

It is mandatory for teams to wait **30 min** in a designated area after charging.

[CV ONLY] Fuel

98RON and E85 will be made available during the event. Teams may request officials to fill up their tank at any time.

Safety precautions must be taken during this procedure.

DATA LOGGER

[EV ONLY]







Formula Student Portugal will use the official data loggers from FSG. Ensuring that the Data Logger is working properly is the sole responsibility of the team. The technical specifications and mounting instructions can be found in this [link](#).

A download station will be available in the paddock tent.

TECHNICAL INSPECTION

TECH INSPECTION LOCATIONS



- | | | | |
|---|------------------|---|-------|
|  | Tech. Inspection |  | Rain |
|  | Tilt Table |  | Noise |
|  | Charging Area |  | Brake |

TECHNICAL INSPECTION

TECH INSPECTION SCHEDULE

#	TEAM	ACCUMULATOR	ELECTRICAL	MECHANICAL
14	Unex Motorsport	NA	NA	Aug 1 15:30 - 17:20
22	Engenius UA - Formula Student	NA	NA	Aug 1 10:30 - 12:20
88	Nova Racing Team	NA	NA	Aug 1 13:30 - 15:20
92	CESIRACE	NA	NA	Aug 1 15:30 - 17:20
111	BlueStreamline	NA	NA	Jul 31 15:00 - 19:00
214	UJI MOTORSPORT FS TEAM	NA	NA	Aug 1 13:30 - 15:20
373	MAD Formula Team	NA	NA	Aug 1 13:30 - 15:20
E10	Formula Technion	Aug 1 10:30 - 12:20	Aug 2 8:30 - 10:20	Aug 1 8:30 - 10:20
E15	UPC ecoRacing	Aug 1 8:30 - 10:20	Aug 2 8:30 - 10:20	Aug 1 10:30 - 12:20
E20	Formula Student FEUP	Aug 1 10:30 - 12:20	Aug 1 13:30 - 15:20	Aug 1 8:30 - 10:20
E26	UBRacing	Aug 1 8:30 - 10:20	Aug 1 13:30 - 15:20	Aug 1 10:30 - 12:20
E27	Team Bath Racing Eletric	Aug 1 10:30 - 12:20	Aug 1 13:30 - 15:20	Aug 1 8:30 - 10:20
E30	ISEL Formula Student	Jul 31 14:00 - 16:30	Jul 31 16:30 - 19:00	Aug 1 15:30 - 17:20
E50	FST Lisboa	Aug 1 8:30 - 10:20	Aug 2 8:30 - 10:20	Aug 1 10:30 - 12:20
E57	Metz Racing Team	Aug 1 8:30 - 10:20	Aug 1 15:30 - 17:20	Aug 1 13:30 - 15:20
E74	Formula Student Vitoria	Aug 1 10:30 - 12:20	Aug 1 13:30 - 15:20	Aug 1 8:30 - 10:20



STATIC EVENTS

ENGINEERING DESIGN - PROCEDURE

All topics not specifically covered in this document or other official Formula Student Portugal Document default to the Formula Student Germany rules.

The ED Event will happen in the teams PIT.

The ED Event will have a duration of 50 minutes distributed in the following manner:

- Team presentation and main design goals (3-5 min)
- Q&A Session divided by areas of expertise (40-42 min)
- Brief overall feedback (5 min)

Teams should make sure that at least one team member covers each area of expertise, they are:

- Technical Management
- Powertrain
- Mechanical/Structural
- Electronics
- Vehicle Dynamics and Suspension
- Aerodynamics and Cooling
- Autonomous Systems

At each instant no more than 12 team members (15 for teams enrolled as DV) can be in the delimited "Judging Area"

Teams may bring any material (including digital) that they believe helps to support their design presentation.

STATIC EVENTS

ENGINEERING DESIGN - SCORING

The Engineering Design event will be scored according to the following distribution:

EXPERTISE	EV/CV	DC
Autonomous Systems	10	50
Aerodynamics and Cooling	20/10*	15/5*
Electronics	20	15
Powertrain	20/25*	15/20*
Mechanical/Structural	25	15
Technical Management	20	15
Vehicle Dynamics and Suspension	25/30*	15/20*
Engineering Design Report	10	10
	150	150

*Team's with no Aero Package



STATIC EVENTS

BUSINESS PLAN PRESENTATION PROCEDURE

All topics not specifically covered in this document or other official Formula Student Portugal Document default to the Formula Student Germany rules.

The BPP will have a duration of 15 min distributed in the following manner:

- 10 min - BP Presentation
- 5 min - Q&A Session

All team members participating in the BPP should be presented to the Judges. Any team member participating in the BPP can answer questions during the Q&A session even if they did not present.

STATIC EVENTS

BUSINESS PLAN PRESENTATION SCORING

The Business Plan Presentation event will be scored according to the following distribution:

EXPERTISE	POINTS
Pitch Video	10
Novelty + Content	30
Finances	10
Deep Dive Topic	10
Demonstration and Structure	15
Delivery	10
Questions	10
General Impressions	5
	100



STATIC EVENTS

COST AND MANUFACTURING

All topics not specifically covered in this document or other official Formula Student Portugal Document default to the Formula Student Germany rules.

The Cost and Manufacturing Event will happen in the teams PIT.

The duration of the Cost and Manufacturing Event will be 50 min divided in the following manner:

- BOM Discussion (15 min)
- Cost Understanding (15 min)
- Cost Real Case (15 min)
- Brief overall feedback (5 min)

At each instant no more than 8 team members can be in the delimited “Judging Area”.

Teams may bring any material (including digital) that they believe helps to support their design presentation.

Teams should bring at least three copies (physical or digital) of the BOM, CBOM, DBOM, Cost support and explanation files.



STATIC EVENTS

COST AND MANUFACTURING SCORING

The Cost and Manufacturing event will be scored according to the following distribution:

EXPERTISE	POINTS
BOM	3
DBOM	12
CBOM	20
Cost Understanding	35
Documents Format and Quality	20
Cost Real Case	5
Overall Vehicle Cost Knowledge	5
	100

STATIC EVENTS

STATIC EVENTS SCHEDULE

#	TEAM	DESIGN	COST & MANUFACTURING	BUSINESS PLAN PRESENTATION
14	Unex Motorsport	Aug 2 - 11:30-12:20	Aug 2 - 14:30-15:20	Aug 2 - 9:30 - 9:45
22	Engenius UA - Formula Student	Aug 2 - 14:30-15:20	Aug 2 - 11:30-12:20	Aug 2 - 12:30 - 12:45
88	Nova Racing Team	Aug 2 - 14:30-15:20	Aug 2 - 12:30 - 13:20	Aug 1 - 16:00 - 16:15
92	CESIRACE	Aug 2 - 09:00-09:50	Aug 2 - 10:00 - 10:50	Aug 2 - 12:30 - 13:20
111	BlueStreamline	Aug 2 - 12:30 - 13:20	Aug 2 - 11:30-12:20	Aug 2 - 10:30 - 10:45
214	UJI MOTORSPORT FS TEAM	Aug 2 - 10:00 - 10:50	Aug 2 - 09:00-09:50	Aug 2 - 12:00 - 12:15
373	MAD Formula Team	Aug 2 - 12:30 - 13:20	Aug 2 - 11:30-12:20	Aug 2 - 9:30 - 9:45
E10	Formula Technion	Aug 1 - 15:30 - 16:20	Aug 1 - 14:30 - 15:20	Aug 1 - 16:30 - 16:45
E15	UPC ecoRacing	Aug 1 - 14:30 - 15:20	Aug 1 - 15:30 - 16:20	Aug 1 - 16:30 - 16:45
E20	Formula Student FEUP	Aug 2 - 10:00 - 10:50	Aug 2 - 09:00-09:50	Aug 2 - 11:00 - 11:15
E26	UBRacing	Aug 2 - 11:30-12:20	Aug 2 - 10:00 - 10:50	Aug 2 - 09:00-09:50
E27	Team Bath Racing Electric	Aug 2 - 11:30-12:20	Aug 2 - 10:00 - 10:50	Aug 2 - 09:00-09:50
E30	ISEL Formula Student	Aug 2 - 09:00-09:50	Aug 2 - 12:30 - 13:20	Aug 2 - 12:00 - 12:15
E50	FST Lisboa	Aug 1 - 14:30 - 15:20	Aug 1 - 15:30 - 16:20	Aug 2 - 10:30 - 10:45
E57	Metz Racing Team	Aug 2 - 09:00-09:50	Aug 2 - 12:30 - 13:20	Aug 2 - 11:00 - 11:15
E74	Formula Student Vitoria	Aug 2 - 10:00 - 10:50	Aug 2 - 09:00-09:50	Aug 1 - 16:00 - 16:15
D1	FSUMinho	Aug 1 - 12:30 - 13:00	Aug 1 - 11:30 - 12:00	Aug 1 - 15:00 - 15:15
D2	LART	Aug 1 - 11:30 - 12:00	Aug 1 - 12:30 - 13:00	Aug 1 - 13:30 - 13:45
D3	eMART	Aug 1 - 11:30 - 12:00	Aug 1 - 12:30 - 13:00	Aug 1 - 13:30 - 13:45
D4	PHISEC Racing	Aug 1 - 12:30 - 13:00	Aug 1 - 11:30 - 12:00	Aug 1 - 14:00 - 14:15
D5	FSIPS - Formula Student IPS	Aug 1 - 12:30 - 13:00	Aug 1 - 11:30 - 12:00	Aug 1 - 14:00 - 14:15
D6	FSFCT	Aug 1 - 11:30 - 12:00	Aug 1 - 12:30 - 13:00	Aug 1 - 15:00 - 15:15
D7	Scuderia Vanvitelli	Aug 2 - 16:30 - 17:00	Aug 2 - 16:00 - 16:30	Aug 2 - 15:30 - 15:45



CLASS II

CLASS II - OVERVIEW

The inclusion of a Class II competition lined with the vision of Formula Student Portugal to both increase the number of Universities competing in Formula Student as well as to fast-track new teams into building a Formula Student car.

The Class II competition is composed of 3 different static events: Engineering Design(150pts); Business Plan Presentation(100pts); Cost and Manufacturing (100pts).

All three events will be judged on the 1st of August. The finals will happen on the 3rd of August.

The details for each event are published in [FSPT 2023 Class II Rules](#).

The Engineering Design Event and the Cost and Manufacturing event will happen in the sponsors tent. The Business Plan Presentation will be done in the BPP rooms.



OFFICIALS

FSPT COLOR-CODE

FSPT officials are easily recognisable through the color of the polo shirts used:

- White shirts - Core organisation members
- Yellow shirts - Logistics team (also known as FSPT minions)
- Blue shirts - Static Event team
- Green shirts - Scrutineering team

As stated in the Emergency Information section, any emergency situation should be reported immediately and directly to a White or Yellow Shirt. Questions regarding accommodations, food, directions, etc. should be directed at the Yellow Shirts.

WHITE SHIRT	ROLE
Ricardo Ferreira	Event Director
André Santos	Technical Inspection
Inês Viveiros	Logistics and Campsite
Pedro Marques	Communication
Luís Abreu	Dynamic Events
Pedro Costa	Static Events

Any questions or clarifications should be sent to geral@formulastudent.pt



SORRY FOR THE LONG HANDBOOK

HERE POTATO

