FORMULA STUDENT EASTER COMPETITION HANDBOOK 2024

VER. 1.0

#FORMULASTUDENTEASTER

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ASSOCIATION OF
AUTOMOTIVE ENGINEERS

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CHANGELOG

Rule	Version	Change
	1.0	Initial release

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ABBREVIATIONS

FSEaster   Formula Student Easter 2024 organized by the Association of Automotive Engineers

FSEast   Formula Student East 2024 organized by the Association of Automotive Engineers

FS Rules   Formula Student Rules 2024 published by Formula Student Germany

BPPEC   Business Plan Presentation Electronic Copy

HIC   Health Insurance Certificate

FSEASTER DOMAINS

fseast.eu   FSEast official website. Navigate to https://fseast.eu/fseaster-2024/.

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STR 1   GENERAL REGULATIONS

STR 1.1   COMPETITION OBJECTIVE

STR 1.1.1   FSEaster is a pre-season event with the purpose of giving teams a chance to prove their competition-readiness without stakes, and to provide them valuable feedback regarding scrutineering and static events with circumstances resembling a main-season competition as close as possible.

STR 1.1.2   FSEaster is not a World Ranking List event.

STR 1.2   FSEASTER RULES

STR 1.2.1   FSEaster will follow FS Rules and FSEast regulations with exceptions and modifications detailed in this document. In case of any contradiction between these three documents, the order of precedence is FSEaster Comp. Hanbook > FSEast Comp. Handbook > FS Rules.

STR 1.3   COMPETITION PROCEDURE

STR 1.3.1   There is no DV class or DC cup at FSEaster. The achievable points in CV and EV classes are the same as shown in FSEast Competition Handbook Table 2.

STR 1.3.2   CV and EV classes will be scored together. There will be a single, shared ranking.

STR 1.4   COMPETITION DATE AND LOCATION

STR 1.4.1   FSEaster will take place from 2024-06-21 to 2024-06-23 at ZalaZONE Proving Ground, Zalaegerszeg, Hungary.

STR 1.5   VEHICLE & PERSONAL TRANSPORT

STR 1.5.1   The pit area and the dynamic area are not within walking distance from each other. Pedestrian traffic outside the pit area and the staging area next to the dynamic platform is prohibited.

STR 1.5.2   All participants must use motorized, street legal vehicles to get around the event site. The racing car and all necessary equipment must be transported between the pit area and the dynamic area with a suitable transport vehicle.

STR 1.5.3   All drivers must adhere to the Hungarian Highway Code when driving within ZalaZONE perimeters. The speed limit on connection roads is 90 km/h.

STR 1.6   [EV ONLY] TSAC EVENING STORAGE

STR 1.6.1   EA 1.11 is void.

STR 1.7   ACCOMODATION RULES

STR 1.7.1   The accommodation provided by the organizers is not exclusive for FSEaster. All participants must adhere to the house rules of the local service provider.

STR 2 REGISTRATION

STR 2.1   REGISTRATION PROCESS

STR 2.1.1   Registration to FSEast is first come, first served. There is no registration quiz. Details about the registration procedure is available at https://fseast.eu/fseaster-2024/.

STR 2.1.2   EA 2 is void, with exceptions detailed below.

STR 2.2   REGISTRATION SLOTS

STR 2.2.1   There are 12 slots available at FSEaster.

STR 2.2.2   Officials will post a statement if there are no more open slots available.

STR 2.3   REGISTRATION FEE

STR 2.3.1   The registration fee is 1000 EUR + VAT. Registration can only be accepted once the payment has been made.

STR 2.3.2   Terms & Conditions detailed in EA 2.8 apply. Banking information is the same as in EA 2.8.8.

STR 2.4   REFUND POLICY

STR 2.4.1   The refund policy detailed in EA 2.9 applies.

STR 2.5   CAR NUMBER

STR 2.5.1   Teams are free to choose any car number between 1 and 999.

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STR 3 DATES & DOCUMENTS

STR 3.1 DEADLINES

STR 3.1.1 The following documents must be submitted to FSEaster by their respective deadline. Documents not listed in this table are not required.

Document	Deadline
ESF	2024-03-29 13:00
HSF	2024-03-29 13:00
SES & SE3D	2024-03-15 13:00
IAD	2024-03-15 13:00
TMD & HIC	2024-06-12 23:59
CRD	2024-06-14 23:59

Table 1: Required documents

STR 3.2 LATE SUBMISSION

STR 3.2.1 EA 3.3 is void. 5 penalty points are applied for late submission per document.

STR 3.3 DE-REGISTRATION

STR 3.3.1 EA 3.4 is void. There is no de-registration for missing submission deadlines.

STR 3.4 TMD & HIC

STR 3.4.1 Registered teams will receive instructions on how they should submit their TMD and HIC.

STR 4 TECHNICAL REGULATIONS

STR 4.1 AUTONOMOUS SYSTEM

STR 4.1.1 The autonomous system components may be removed from the car or left in the car at the team's discretion.

STR 4.1.2 If the autonomous system components are not removed, the ASMS must be kept switch off & locked out and the ASB must be deactivated/discharged.

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STR 5 STATIC EVENTS

STR 5.1 BUSINESS PLAN PRESENTATION EVENT

STR 5.1.1 Pitch Video (BPPV) is not required for FSEaster. Teams are invited to present their Pitch Video (and any BP material) to the judges and ask for feedback.

STR 5.1.2 Submission of Business Plan Presentation Electronic Copy (BPPEC) is not required for FSEaster.

STR 5.1.3 There will be no Deep Dive Topic at FSEaster. The available time for presentation is unaffected (10 minutes).

STR 5.1.4 The Business Plan Presentation Event will be evaluated on the categories specified in Table 2

Category	Points
Content	25
Finances	20
Demonstration	5
Structure	5
Delivery	10
Q&A	15
General Impression	5
Total	85

Table 2: Business Plan Presentation Event categories.

STR 5.2 COST AND MANUFACTURING EVENT

STR 5.2.1 There will be no Real Case Scenario at FSEaster. Instead of Real Case the Cost Understanding Discussion will be prolonged to leave additional time for more questions and in-depth discussions.

STR 5.2.2 Submitting a CRD is not mandatory for FSEaster, but highly recommended. Only presented content will be evaluated during "BOM, DBOM and CBOM discussion".

STR 5.2.3 The Cost and Manufacturing Event will be evaluated on the categories specified in Table 3.

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Category	Points
Format and Accuracy of Documents	5
Knowledge of Documents and Vehicle	5
BOM, DBOM and CBOM discussion	35
Cost Understanding	55
Total	100

Table 3: Cost and Manufacturing Event categories.

STR 5.3   ENGINEERING DESIGN EVENT

STR 5.3.1   EDR and DSS are not required for FSEaster. Teams are invited to present their finished or work-in-progress documents to the judges and ask for feedback.

STR 5.4   STATIC FINALS

STR 5.4.1   There will be no Static Finals at FSEaster.

STR 6 DYNAMIC EVENTS

STR 6.1   SKIDPAD EVENT

STR 6.1.1   Each team has **six** runs, driven by two drivers with **three** runs each.

STR 6.2   ACCELERATION EVENT

STR 6.2.1   Each team has **six** runs, driven by two drivers with **three** runs each.

STR 6.3   AUTOCROSS EVENT

STR 6.3.1   As per EA 6.9.

STR 6.4   ENDURANCE EVENT

STR 6.4.1   The running order will be communicated to the teams before the start of the event.

STR 6.5   EFFICIENCY EVENT

STR 6.5.1   As per EA 6.12.

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