



FSCzech Rules 2017

Version 1.0
Released 30.3. 2017

A. Administrative Regulations

A.1. Competition Overview

A.1.2. Competition Procedure

A.1.2.1. The competition is split into the following classes:

- Internal Combustion Engine Vehicle (CV)
- Electric Vehicle (EV)

A.1.2.5. The competition is divided into a series of static and dynamic events described in chapter S and D. All events are run together for both classes and evaluated (scored) separately.

A.1.2.8. The Overall Winner trophy is given to a team with highest total scoring.

A.1.3. Competition Information

A.1.3.1. The Formula Student Czech Republic event comply with the rules issued by Formula Student Germany (FSG) Formula Student Rules 2017 except several rule changes and additions, which are listed in this document. These exceptions and additions supersede the respective sections of the currently published Formula Student Rules 2017. In case of any contradiction between the FSCzech Rules 2017, Formula Student Rules 2017 and FSAE Rules, the FSCzech Rules 2017 are to be considered as valid.

A.1.3.3. The competition is held from August 2nd to Saturday 5th on the Autodrom Most, Czech Republic.

A.1.3.4. The competition time is CET and CEST. Please note the change from CET to CEST on March 26, 2017.

A.1.4. Registration

A.1.4.1. Registration is opened from January 18th 2017 12:00 on the www.fsczech.cz.

A.1.4.2. Competition slots are opened for up to 36 CV teams and 14 EV teams.

A.1.4.3. First three slots in both categories are reserved for the first three teams from previous year event. These teams must confirm the slot before January 12th 2017 12:00.

A.1.4.4. Pre-registration slot is opened for one Czech CV newcomer team on January 16th 2017 12:00.

A.1.4.5. The team registration is completed by registration fee payment.

A.3. Rules of Conduct

A.3.1. General Officials Authority

A.3.1.4. All guidelines and clarifications posted on the competition website for the current season including the competition handbook are considered part of these rules.

A.3.6. Questions about the Rules

A.3.6.4. Questions must be addressed to rules@fsczech.cz.

A.5. Documentation and Deadlines

A.5.1. Required Documents and Forms

A.5.1.1. The following documents and forms must be submitted by the action deadlines defined in the team's account on the www.fsczech.cz.

A.5.1.2. Group A: IAD, SE3D, SES, SESA, *[EV ONLY]* ESF

A.5.1.3. Group B: BPES, CRD, DSS, EDR

A.5.1.4. Group C: TMD, *[CV ONLY]* ETC & FTO, *[EV ONLY]* CCP & ESOQ

A.5.1.5. Group D: VSV

A.6. General Rules

A.6.5. Onsite Working Safety

A.6.5.6. Only human-powered (via muscle energy of individual) means of transport are allowed in competition area and special caution to pedestrians and other participants must be taken.

S. Static Events

S.1. Business Plan Presentation

S.1.4. Business Plan Presentation Scoring

S.1.4.2. The judging at the competition will start with an initial judging, where all teams are judged by different judging groups.

S.1.4.5. Possible penalties from A 5 could affect the final scoring.

S.2. Cost and Manufacturing Event

S.2.2. Cost and Manufacturing Procedure

S.2.2.1. Prior to the competition, two Cost Report Documents (CRD) (see S 2.3) must be submitted to the competition website by the deadline specified in the competition handbook.

S.2.2.2. Part 1 “Bill of Material (BOM) Discussion”: A discussion to evaluate the team’s ability to prepare an accurate engineering and manufacturing BOM for the complete vehicle. The team must prove the following:

- The specification of the vehicle in the CRD accurately reflects the vehicle brought to the competition.
- The costs within the Costed Bill of Material (CBOM) part of the BOM are correctly calculated according to the FSAE pricing tables.
- The manufacturing feasibility of the vehicle.

S.2.2.4. Part 2 “Real Case Scenario”: A discussion to evaluate the general cost and manufacturing knowledge of the team with respect to mass production.

- The Real Case Scenario is delivered to the team one month prior event.

S.2.3. Cost Report Documents (CRD)

S.2.3.1. The CRD consist of the following documents:

- The BOM created using FSAE BOM template (except pricing) or using FSG tool.
- The CBOM file uploaded as a pdf file to the competition website.
- The supporting material file uploaded as a pdf file to the competition website.

S.2.5. Costed Bill of Material (CBOM) - completely replaces FSG’s S.2.5

S.2.5.1. The costs of the prototype vehicle as presented must be included for the Suspension BOM System.

S.2.5.2. The cost calculations must follow methodology of the FSAE pricing and use FSAE pricing tables for 2017.

S.2.7. Cost Explanation File - omitted

S.2.9. Cost and Manufacturing Scoring

S.2.9.1. The following maximum scores apply for the cost and manufacturing event:

Category	Points
Format and Accuracy of Documents	5
Knowledge of Documents and Vehicle	5
Content and Completeness of the BOM	20
Completeness of the CBOM	20
Real Case Scenario	50

S.2.9.2. In case of missing items within the BOM/CBOM, points are deducted up until zero points scoring for “Content and Completeness of the BOM” and “Completeness of the CBOM”:

Missing Item	Points
Assembly	-5
Part	-3
Process/Material	-1