

GENERAL RULES FOR FORMULA MOSCOW 2016

The car.

Student Developed Vehicles entered into Formula Moscow competitions must be conceived, designed, fabricated and maintained by the student team members without direct involvement from professional engineers, automotive engineers, racers, machinists or related professionals.

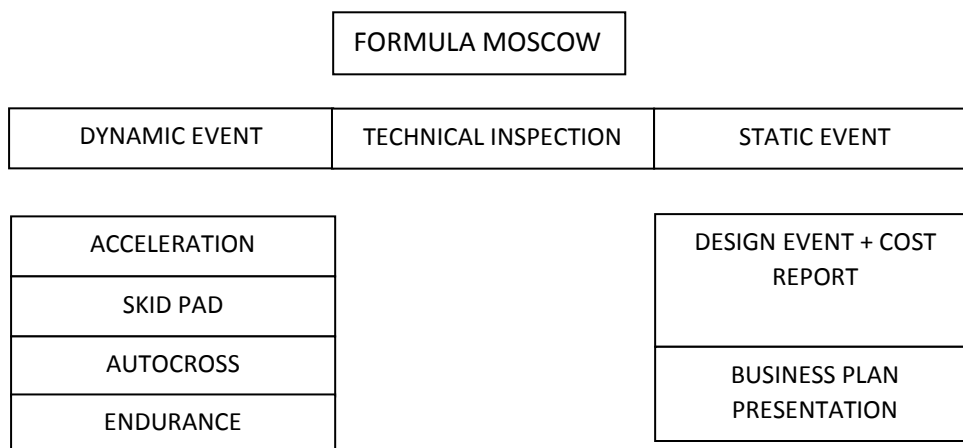
Every car at the competition, must to comply 2013, 2014, or 2015 - 2016 FSAE Rules

The Drivers.

Drivers are allowed to drive only one certain car (For example: If one team has two cars, then one driver is not allowed to drive both cars). During registration or at drivers meeting, all drivers will get their car number written on their wristband. One driver is allowed to drive all dynamic events.

The event.

The Formula Moscow event, it is not an official Formula Student event. Was conceived to give to the Teams a chance to test their cars, compare performance between new and old FSAE cars, and discuss with experts their technical and business documentation.



1. Dynamic Event

The maximum scores in the dynamic events are:

Acceleration	75 points
Skid Pad	50 points
Autocross	150 points
Endurance	400 points
Total	675 points

Scrutineering will be available on request when necessary.

1.1 Acceleration.

Traditional acceleration. The format is the same as at every Formula Student competition. Distance: 75 m. Allowed up to 4 attempts (two attempts for one pilot) for each team. Scored the best time.

1.2 Skid pad.

The objective of the skid-pad event is to measure the car's cornering ability on a flat surface while making a constant-radius turn. Each car may compete in two heats. Each heat must have a different driver, and each driver may have two (2) runs.

1.3 Autocross.

The objective of the autocross event is to evaluate the car's maneuverability and handling qualities on a tight course without the hindrance of competing cars. The autocross course will combine the performance features of acceleration, braking, and cornering into one event.

Allowed up to 4 attempts (two attempts for one pilot) for each team.

1.4 Endurance.

The Endurance Event is designed to evaluate the overall performance of the car and to test the car's durability and reliability. The winner of Endurance takes a huge step closer to have the opportunity to win the whole event. Both drivers run 11 Km on track.

2. Static Event.

The maximum possible scores in the static events are:

Technical Inspection:	No Points
Cost Report	100 Points
Business plan presentation	75 Points
Design presentation	150 Points
Total	325 Points

2.1 Design event.

The concept of the design event is to evaluate the engineering effort that went into the design of the car and how the engineering meets the intent of the market both in terms of vehicle performance and overall value.

The car that illustrates the best use of engineering to meet the design goals, a cost effective high performance autocross car, and the best understanding of the design by the team members will win the design event.

Teams are reminded that FSAE is an engineering design competition and that in the Design Event; teams are evaluated on their design. Components and systems that are incorporated into the design as finished items are not evaluated as a student designed unit, but are only assessed on the team's selection and application of that unit. For example, teams that design and fabricate their own shocks are evaluated on the shock design itself as well as the shock's application within the suspension system. Teams using commercially available shocks are evaluated only on selection and application within the suspension system.

2.2 Cost report. (Please use the FSAE cost tables)

The Cost Report consists of a full vehicle BOM with cost data derived from the Cost Tables and supporting documentation.

All costs in the Cost Report come from the standardized Cost Tables. These tables have been compiled to represent the cost of parts and processes that a manufacturing company could be expected to pay for manufacturing a vehicle at 1000 units per year.

2.3 Business plan presentation.

The objective of the presentation is to evaluate the team's ability to develop and deliver a comprehensive business case that will convince the executives of a corporation that the team's design best meets the demands of the amateur, weekend competition market, and that it can be profitably manufactured and marketed.

The judges should be treated as if they were executives of a corporation. Teams should assume that the "executives" represent different areas of a corporate organization, including engineering, production, marketing and finance, and thus may not all be engineers.

Presentations will be evaluated on the contents, organization and visual aids as well as the presenters' delivery and the team's response to questions. The presentation must relate to the car entered into the competition and although the actual quality of the prototype itself will not be considered as part of the presentation judging.

See you in Moscow!. If you need some extra information please contact us by our web site!