

Class 1 Requirements

The organisers will provide space for a 4m x 3m display area for each Class 1 team. Teams are required to supply their own displays and supporting structure, showing their vehicle and giving details of their design and development work. Points will be awarded in accordance with the FSAE Rules for "first year vehicles", except where indicated below:

3.1. Design (150 points)

Formula Student will be operating the design event for Class 1 cars in two stages. The first stage will be the conventional assessment by a team of design judges, based primarily on the pre-submitted Design Report and Design Spec Sheet (available via the Important Dates & Documents page of the FS web site). The second will be a "Design Final", whereby the top 4 – 8 teams and cars in the initial design event (depending on time availability) will be reassessed and the final design event points awarded to each team will take into consideration how the team members propose to further refine and improve their design in the light of its dynamic performance.

Only cars that have passed safety and technical scrutineering and started at least one of the dynamic events will be eligible to win the design event. This rule aims to encourage teams to recognise the importance of development and validation work in the design process prior to the event, and attempts to ensure that, ideally, all Class 1 cars presented for design judging are in compliance with the rules and subsequently compete in some or all of the dynamic events.

Points in the preliminary stage of the design event will be awarded according to the Class 1 Design scoring sheet (also available via the Important Dates & Documents page).

There are strict formatting and other requirements for the Design Report and Spec Sheets. These, along with the penalties for non-compliance, are defined in the "General Requirements" section of these Supplementary Regulations.

3.2. Presentation (75 Points)

This will follow the same basic format as that described for the presentation event in the FSAE Rules, and involve a 10 minutes formal business presentation to senior executives from an imaginary manufacturing company, followed by 5 minutes of questions, with a view to obtaining support for large scale manufacturing of the team's car. Points will be awarded according to the scoring sheet (available via the Important Dates & Documents page).

In addition, teams are required to submit a Team/Car profile prior to the event (deadline defined on the Important Dates & Documents page). The Team/Car Profile forms the basis of the material the organisers print about each team in the Formula Student commemorative magazine, is used by the event commentators, and may be used by the organizers for pre-event PR, press releases etc. It will also be shown to the Presentation judges prior to the event, and is your opportunity to tell everyone about your team, university and car. As well as talking about the design choices you have made, and the key selling features of your car, you might also like to talk about how your team is organised, describe the logistics involved in getting your car to the competition, your main objectives, etc. etc. Teams must submit their Team/Car Profiles in the format of the official Team/Car Profile Sheet (also available via the Important Dates & Documents page). **Failure to submit a team/car profile meeting these requirements may result in a penalty of up to 25 points being deducted (post-moderation) from a team's presentation event score**, at the judges' discretion.

3.3. Cost & Management (100 Points)

The Cost & Management event for Class 1 will follow the same format and conditions as in the FSAE Rules. Click on the link at the top of the FS Rules page (Formula SAE (FSAE) Rules. First of all read and make sure you understand the rules through the link '2009 Formula SAE Rules' referring especially to Article 3 - Cost and Management Event. These will detail the new requirements for the 2009 season. More cost information is shown further down on the SAE website in the dedicated Cost section. Pay particular attention to the Appendices which refer to the Cost Models, Part Numbers, Systems and Power Tools and the Tables which contain important data on Material, Processes, Process

Multipliers, Fasteners and Tooling. Remember, you must use the correct Made or Bought costing philosophy as shown in the relevant table regardless of how you actually procured the components.

Click on the Dedicated Cost Website to see even more information and to further access the tables and updates. In the top left panel, click on Cost Database Application to view tutorials on the subject.

The special case scenario will be published on the website or sent to the individual team captains closer to the event so that all teams have an equal opportunity to prepare their responses and material.

An overview of the changes can also be found on the Cost to Win presentation from the Learn To Win event.