

The 10th Student Formula SAE Competition of Japan

– Competition for Object Creation and Design –

Participation Rules

This competition is held by JSAE according to the rules of Formula SAE®2012, the Local Rules (official notice) and this Participation Rules.

Article 1 Name of Competition

The 10th Student Formula SAE Competition of Japan –Competition for Object Creation and Design–

Article 2 Date

Monday, September 3 to Friday, 7, 2012

Article 3 Venue

ECOPA (Ogasayama Sports Park), Shizuoka Prefecture

Article 4 Organizer

Society of Automotive Engineers of Japan, Inc. (JSAE)

Article 5 Events and Contents

	Events	Contents
Vehicle Examinations	Technical Inspections	Vehicle safety and conformance to design requirements as stipulated in the rules
	Tilt	Checking that no fuel leakage occurs when the vehicle is tilted at 45 degrees, and no rollover occurs at 60 degrees.
	Noise	An exhaust noise of 110 dB or less under prescribed conditions
	Brake	Four-wheel locking
Static Events	Cost	The validity / competitiveness of cost calculation are examined. (100 pts)
	Design	Appropriateness, the reformation, the processability, and the repair, etc. of the design are examined. (150 pts)
	Presentation	The presentation skills for the manufacturing sales is examined. (75 pts)
Dynamic Events	Acceleration	The acceleration performance from 0 to 75m . (75 pts)
	Skid-pad	The vehicle's cornering performance is evaluated in steady state turns over a figure-of-eight course. (50 pts)
	Autocross	Vehicles are driven over an approximately 800 m course comprised of a combination of straights, turns, and slaloms. (150 pts)
	Endurance	Vehicles are driven over an approximately 20 km course comprised of a combination of straights, turns, and slaloms. (300 pts)
	Fuel economy	Fuel economy is evaluated in terms of the amount of fuel consumed in the endurance. (100 pts)

Article 6 Schedule Prior to Competition

The team that can participate in the competition is decided by the following procedures;

2pm, Friday, February 24 (JST)*

* JST=Japan Standard Time

Deadline for competition entry and transferal of competition entry fee

(In principle, teams that fail to pay the entry fee shall not be allowed to enter the competition.)



Beginning of March

Notification of vehicle number



2pm, Wednesday, June 1 (JST)

Deadline for submission of Structural Equivalency Form and Impact Attenuator Data

Notice: In the event of non-submission or submission on or after 2pm of June 6, the team shall be deemed as having failed to complete the document screening.



2pm, Monday, June 13 (JST)

Deadline for submission of Design Report and Design Spec Sheet

Notice: In the event of non-submission or submission on or after 2pm of June 23, the team shall be deemed as having failed to complete the document screening.



Wednesday, June 22 (JST)

Postmarked deadline for submission of Cost Report (documents and CD-R)

Notice: In the event of non-submission or if the submission is postmarked on or after July 1, the team shall be deemed as having failed to complete the document screening.



10am, Monday, July 2 (JST)

Start of submission period for Shakedown Certificate



Friday, August 3 (JST)

Announcement of document screening result

Teams that have passed the document screening shall be permitted to participate in the Competition on the days of the Static Events.



Friday, August 17 (JST)

Deadline for submission of Written Oath, Certificate of Insurance Coverage, Student Identification Card, Driver's License

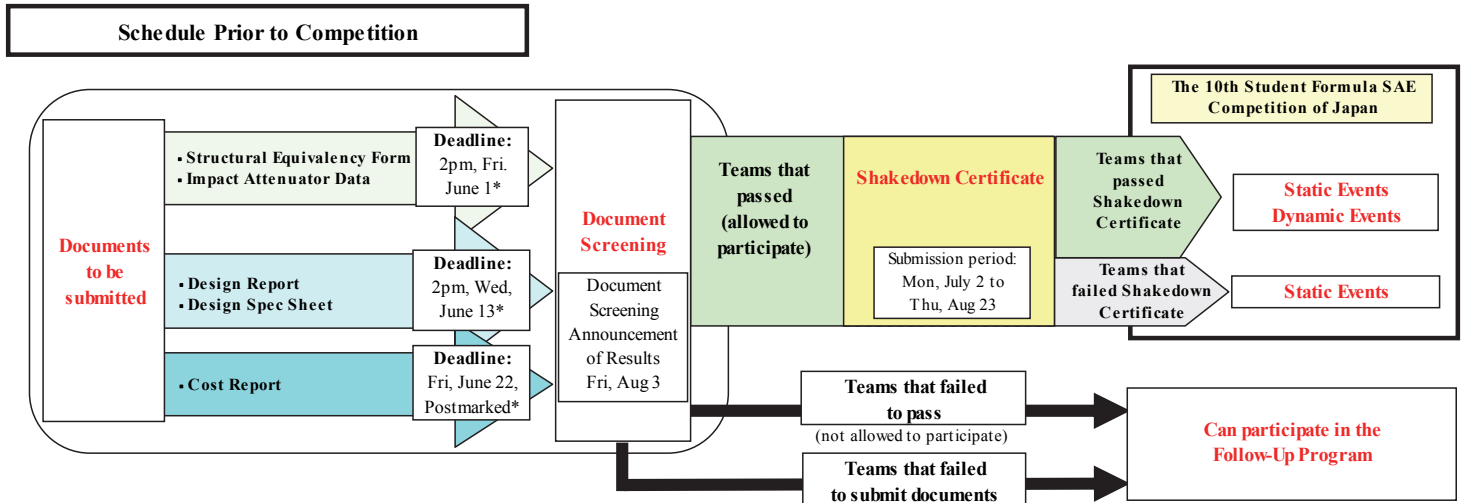


2pm, Thursday, August 23 (JST)

Deadline for submission of Shakedown Certificate



The 10th Student Formula SAE Competition of Japan



* Deadline extensions are permitted according to the rules, but shall be subject to a points deduction

Article 7 Vehicles

1. Vehicle Production Regulations

- 1) The rules shall be based on those for the 2012 US Formula SAE® event and the Local Rules for the 10th Student Formula SAE Competition of Japan that shall be issued.
- 2) Teams are prohibited from entering the Competition with vehicles that have competed in a previous Student Formula SAE Competition of Japan. (The frame of the vehicle shall be newly designed before a vehicle can be entered as a first-time vehicle.)

2. Vehicles Participating for Second Year

Vehicles that enter the Competition but fail to pass the Technical Inspections can participate again the following year. The team participating with such vehicle shall be subject to points deduction from the total score.

3. Technical Inspections

Teams that fail to pass the Technical Inspections shall be prohibited from advancing to the Dynamic Events.

Article 8 Participation Requirements

The team shall fulfill the following requirements;

1. Participating Teams

- 1) Each educational institute shall be permitted to submit only one team and one vehicle.

- 2) However, multiple teams shall be permitted if the institute has multiple campuses and a team is formed at each campus.

2. Team Members

- 1) Team members shall be 18 years old or above, and as a rule, shall be students of national colleges of technology, junior colleges, universities, graduate schools, or similar education/training institutes. Individuals who have graduated within seven months prior to the competition date are also eligible.
- 2) All team members shall be students of the educational institute that registered for the Competition.
- 3) Drivers entering the Competition shall be 18 years old or above and possess a valid government-issued driver's license for ordinary vehicles.
- 4) The team member must submit the following documents by the deadline of August 17.
 - (1) Written Oath
 - (2) Certificate of Insurance Coverage
 - (3) Student Identification Card
 - (4) Driver's License

3. Faculty Advisors (FA)

- 1) During the period of competition, the FA shall be responsible for issuing guidance to the team even regarding non-competition matters such as safety, health, and the attitudes of team members, and shall also accompany the team throughout this time.
- 2) The FA shall be responsible for issuing guidance to the team within the educational institute and shall participate after registering in the same way as the team members.
- 3) The FA shall be full-time members of the faculty staff of the educational institute to which the team belongs.
- 4) A team may have multiple FA. The rules on FA's registration (e.g. registration changes) will be informed after the team's entry procedure completes.
- 5) Teams without FA shall not be allowed to participate. If the FA are absent during the competition, the team members shall not be allowed to work in the pit area and participate in events during that period of absence.
- 6) During the period of competition, the FA shall accompany the team when using any facility or the like loaned by another educational institute, and application shall be made in advance to the organization officials for approval.

4. Insurance

All team members and FA shall take out an effective insurance to cover injury and medical treatment during the period of the Competition. In addition, all participants shall be requested to sign a Written Oath.

Article 9 Team Entry

1. Registration:

From 10am, Friday, January 20, 2012 (JST) * * JST=Japan Standard Time
To 2pm, Friday, February 24, 2012 (JST)

2. How to Register:

Please register online via the following website.

https://tech.jsae.or.jp/formula/2012team_en/registration.aspx

Notice: Please transfer entry fee to a designated account by a payment deadline.

3. Entry Fee:

- 1) If all team members (including Faculty Advisors (FA)) are members of the JSAE or FISITA member societies: ¥ 75,000 per team

Notice: In the above case, entrant must be a “member” at the time of registration.

- 2) In all other cases: ¥150,000 per team

4. Payment of Entry Fee: Please transfer the amount to the following account by the deadline.

1) Bank Account:

Bank Name: The Bank of Tokyo-Mitsubishi UFJ, Ichigaya Branch
(Bank No.: 0005-014)

Account holder: Society of Automotive Engineers of Japan, Inc.
(Shadanhoujin Jidousha Gijutsukai)

Account No.: 1299678 (Ordinary)

SWIFT BIC: BOTKJPJT

Bank Address: 4-8-20 Kudan-minami, Chiyoda-ku, Tokyo, 102-0074 Japan

- 2) Payment Deadline: Friday, February 24, 2012

Notice: The competition entry fee is non-refundable for any reason whatsoever.

Article 10 Document Screening

1. All documents (Structural Equivalency Form, Impact Attenuator Data, Design Report, Design Spec Sheet, Cost Report) must be submitted before the deadline dates.

- 1) The Structural Equivalency Form and Impact Attenuator Data submitted beyond the deadline of June 1 (or Extended Deadline: June 6 - *subject to points deduction*) shall be deemed as having failed to complete the document screening stage. Furthermore, teams shall be required to re-submit any documentation judged as “insufficient” in any way.

- 2) Teams that fail to submit the Design Report and Design Spec Sheet before the deadline of June 13 (or Extended Deadline: June 23 - *subject to points deduction*) shall be deemed as having failed to complete the document screening stage.
- 3) Teams that fail to submit the Cost Report before the deadline of June 22 (or Extended Deadline: June 30 - *subject to points deduction*) shall be deemed as having failed to complete the document screening stage.
- 4) Teams submitting documentation by the “Extended Deadline” shall be subject to a points deduction as described in the Formula SAE®2012.

2. Document screening for the Design and Cost Reports shall be performed based on the documents submitted by the teams.

Document to be submitted	Submission deadline	Submission method	Notes
Structural Equivalency Form (Electronic data)	2pm, Fri, June 1	Upload to Team Page	Submission delay shall incur a penalty of 10 points a day (maximum 50 points). In the event of non-submission or submission on or after 2pm, June 6, the team shall be deemed as having failed to complete the document screening. Since, as a result, the team shall be prohibited from taking part in the Competition, the deadline shall be strictly observed.
Impact Attenuator Data (Electronic data)	2pm, Fri, June 1	Upload to Team Page	
Design Report and Design Spec Sheet (Electronic data)	2pm, Wed, June 13	Upload to Team Page	Submission delay shall incur a penalty of 10 points a day (maximum 100 points). In the event of non-submission or submission on or after 2pm, June 23, the team shall be deemed as having failed to complete the document screening. Since, as a result, the team shall be prohibited from taking part in the Competition, the deadline shall be strictly observed.
Cost Report (Documents and CD-R)	Postmarked Fri, June 22	Regular mail (i.e., not by email)	Submission delay shall incur a penalty of 10 points a day (maximum 80 points). In the event of non-submission or if the submission is postmarked on or after July 1, the team shall be deemed as having failed to complete the document screening. Since, as a result, the team shall be prohibited from taking part in the Competition, the deadline shall be strictly observed.

3. Announcement of Results: Friday, August 3, 2012

- 1) Teams that passed the document screening
 - (1) Teams that have passed the document screening shall be permitted to participate in the Competition on the days of the Static Events.
 - (2) Teams that failed in Design Event or Cost Event either shall be prohibited from taking part in Design Event or Cost Event held during the Competition. The Follow-up Program of Design Event or Cost Event will be prepared during the period of the Competition for the teams who failed in either of those events.
- 2) Teams that failed to complete the document screening

(1) Teams that failed to complete the document screening shall be prohibited from taking part in the Competition. However, such teams may participate in the Follow-Up Program to be held during the period of Competition.

(2) Contents of Follow-Up Program (provisional)

- ① Technical Inspection Instruction
- ② Design Event Instruction
- ③ Cost Event Seminar
- ④ Observing Presentation Event

Article 11 Shakedown Certificate

Teams that have passed the document screening shall submit a Shakedown Certificate between July 2 and August 23 in order to prove the level completion of their car. Teams that fail to submit the Certificate or do not pass this stage shall not be permitted to participate in the Technical Inspections and Dynamic Events.

Notice: This certificate shall consist of either a Racing Certificate submitted by the FA or moving images of the car being driven (the details to be announced later).

1. Teams that passed Shakedown Certificate

Teams shall be permitted to participate in the Competition on the days of the Technical Inspections and Dynamic Events.

2. Teams that failed to pass Shakedown Certificate

Teams may participate in the Follow-Up Program to be held during the period of the Competition.

Article 12 Awards

Minister of Economy, Trade and Industry Award / Minister of Land, Infrastructure, Transport and Tourism Award / Governor of Shizuoka Prefecture Award / FISITA Award / Spirit of Excellence Award / Award for each competition category / Special Awards (provisional)

Article 13 Additional Clause

1. This Competition is held according to the Formula SAE®2012 and the Local Rules (official notice: the details to be announced later), in addition to this Participation Rules.
2. The Local Rules (official notice) will be announced in the website at any time.
3. The participating team shall know the Local Rules (official notice) well, and face the Competition.
4. When any doubt occurs as to the interpretation of the Rules, the decision of 10th Student Formula SAE Competition of Japan Implementation Committee has priority over all others.