

Photographic Submission (ALL items mentioned below are MANDATORY unless specifically mentioned otherwise)

Photographic proof of the following must be submitted. The number for each photo must be used in the file name for that photo. More on file naming later in this notice.

Sl #	Category	Caption	Description	Optional
1	Overall	Front View	Front View of the car with bodyworks.	
2		Rear View	Rear View of the car with Bodyworks	
3		Top View	Top View of the car with Bodyworks	
4		Right Side View	Right Side View of the car with Bodyworks	
5		Left Side View	Left Side View of the car with bodyworks	
6		Front View	Front View of the car without bodyworks	
7		Rear View	Rear View of the car without Bodyworks	
8		Top View	Top View of the car without Bodyworks	
9		Right Side View	Right Side View of the car without Bodyworks	
10		Left Side View	Left Side View of the car without bodyworks	
11		Cockpit Template	Side View of entire vehicle with template	
12		Cockpit Template	Front View of vehicle With Template	
13		Bottom View	A picture showing the members installed in the bottom	
14	Driver	Safety Equipment	Picture of the driver wearing all the safety equipment deemed necessary by the rules including arm restraints	
15		Steering Wheel	Front View with the Driver's hands on the steering with the steering turned 180 deg or lock whichever lesser as if in a turn	
16		Gear Lever	Picture of the driver touching the gear level (if present) from the side / top view such that the chassis clearance with the arm is clearly visible	Yes
17		Foot on Pedals	Picture of the driver's legs from knees downward pressing the pedals in the side or top view	

18	Driver	Driver Front View	Picture of the vehicle in the front view with a fully suited up driver sitting in it	
19		Driver Side View	Picture of the vehicle in the side view with a fully suited up driver sitting in it	
20		Driver Top View	Picture of the vehicle in the top view with a fully suited up driver sitting in it	Yes
21		Driver Knees	Picture of a fully suited driver's knees while sitting in the vehicle in driving position such that clearances from the knees to the chassis is clearly visible	
22		Driver Elbows	Picture of a fully suited driver's elbows while sitting in the vehicle in driving position such that clearances from the knees to the chassis is clearly visible	
23	Suspension	Front Left Pick Up Points	Picture showing the attachment of the suspension with the chassis with the suspension still on (All pick up points on the chassis must be visible)	
24		Front Left Knuckle Points	Picture showing the attachment of the suspension with the knuckle (upright or equivalent) with the suspension and steering on	
25		Front Right Pick Up Points	Picture showing the attachment of the suspension with the chassis with the suspension still on (All pick up points on the chassis must be visible)	
26		Front Right Knuckle Points	Picture showing the attachment of the suspension with the knuckle (upright or equivalent) with the suspension and steering on	
27		Rear Left Pick Up Points	Picture showing the attachment of the suspension with the chassis with the suspension still on (All pick up points on the chassis must be visible)	
28		Rear Left Knuckle Points	Picture showing the attachment of the suspension with the knuckle (upright or equivalent) with the suspension and steering on	

29	Suspension	Rear Right Pick Up Points	Picture showing the attachment of the suspension with the chassis with the suspension still on (All pick up points on the chassis must be visible)	
30		Rear Right Knuckle Points	Picture showing the attachment of the suspension with the knuckle (upright or equivalent) with the suspension and steering on	
31	Wheel Assembly	Front Left	Picture showing the wheel assembly with the wheel taken off	
32		Front Right	Picture showing the wheel assembly with the wheel taken off	
33		Rear Left	Picture showing the wheel assembly with the wheel taken off	
34		Rear Right	Picture showing the wheel assembly with the wheel taken off	
35	Steering	Inner Steering Link Points	Picture showing both the inner steering link points in a single picture from the inside of the vehicle	
36	Seat belt	Shoulder Seat Belt Anchorage	Picture showing the seat belt mounting (seat belt should be mounted on the vehicle)	
37		Lap Belt Anchorage	Picture showing the seat belt mounting (seat belt should be mounted on the vehicle)	
38		Expiry Date	Picture showing the Expiry date of the Seat belt	
39	Cockpit	Cockpit area	Picture of the cockpit from the Point of View of the Driver with the kill switch clearly visible	
40	Fuel System	Fuel Tank Side View	Side view of the fuel tank from whichever side the fuel tank is more visible from	
41		Fuel Tank Top / Rear View	Top or rear view of the fuel tank from which ever position more of the fuel tank is visible form	
42		Splash Shield	Picture of the splash Shield	
43		Drip Pan	Picture of the drip pan	
44		Fuel Line	Pictures of fuel lines if present	Yes

45	Chassis	Rear Bracing	Picture of the Rear Bracing (if present) in the side view with all members visible	Yes
46		Front Bracing	Picture of the Front Bracing (if present) in the side view with all members visible	Yes
47	Engine	Engine mount Side	Side view clearly showing engine mounting location	
48		Engine Mount rear	Rear view showing the engine mounting locations and method	
49	Transmission	Transmission Side	Side view of the transmission and the final drive (with driven wheel taken off)	
50		Transmission Rear	Rear or top view of the transmission and final drive with the wheels on	
51	Pedal Box	Top View	Top View of the Pedal Box	
52		Side View	Side view of the Pedal box (if visible)	Yes
53		Rear View	Rear View of the Pedal Box (from driver's side)	Yes
54		Brake master Cylinder	Picture of the brake Master Cylinders	
55		Brake master Cylinder	Another view of the Brake Master Cylinder	Yes
56		Brake Reservoirs	Picture of the Brake reservoirs	
57		Brake Reservoirs	Separation (dam) if a common reservoir or tandem master cylinder is used	Yes
58	Firewall	Front View	Picture of the firewall (without seat) in the front view	
59		Exhaust	Picture showing the Exhaust and the firewall in the same shot highlighting the 100mm clearance requirement	
60	Electronics	Battery Mounts	Picture of the battery mounted onto the vehicle clearly showing the mounts	
61		Kill Switch	Picture of the Kill Switch mounted outside the vehicle	
62		Brake light	Picture of the brake light in lit condition	

Deadline for Complete Car Picture Submission is 9th November, 2016 by 0000 Hours.

Running Car Video Submission (ALL items mentioned below are MANDATORY)

- Driver must wear full safety gear
- One student must be holding a fire extinguisher at all times and be prepared to use it. This student must be seen on the video during the engine start and when the car first moves.
- Car must be seen to have its engine started, and then:
 1. Move forward a minimum of 50 and a maximum of 100 meters. During the test drive, the vehicle must negotiate 2 bumps, a minimum of 0.5 m high. The surface for the test can be loose gravel, dirt or mud.
 2. Gear change up and gear change down (automatic or manual transmission – CVT cars may disregard),
 3. Make a U turn of which the outside radius will be maximum 9.0 meters and delimited by one cone (or similar device) at the U turn centre and a minimum of 5 cones (or similar devices) on the outside line,
 4. Accelerate at the exit of the U turn and travel a minimum of 50 meters and a maximum of 100 meters,
 5. Brake and lock all four wheels. The video must clearly show front and rear wheels locking on the camera side of the car (this will be tested again at Competition, where both sides will be observed).
 6. The entire video needs to be shot in HD and must be continuously shot, from the time the driver gets in the car, including engine starting, rolling the car, performing the manoeuvres as described above and coming to a standstill with all four wheels locked under braking.
 7. At the conclusion of the video test, the driver must bring the car to a complete stop, and then egress the vehicle.

Should a team submit a video which does not meet all of the criteria above they will be penalized with 75 points from total points scored. Teams will be notified, by the judges reviewing the video submissions, within 10 days from the date of submission.

Deadline for Running Car Video is 30th November, 2016 by 0000 Hours.

Please Note:

- **All photos must be of sufficient quality** (focus, resolution, lighting, etc.) to make out engineering detail. Any or all photos, without sufficient clarity and detail, will be considered a non-submission.
- **Both video and pictures submissions are mandatory.** Failure to submit any of the above detailed video and photographs will be considered as non-submission.

After submitting Running Car Video / Photographic Documentation, there are three possible outcomes:

- **'A' Rated Car:** The Judges find the car meets the minimum standard of good engineering workmanship and safety. The car will be allowed to compete and may proceed to Tech Inspection. The Judges might send the team a list of items they feel the team can improve on to be more competitive.
- **'B' Rated Car:** The Judges find the car needs some redesign / rework / remanufacture in order to meet the minimum standard of good engineering workmanship and safety. Within 20 days of video / photo submission, the team will be sent a list of required improvements (in the form of a prioritized checklist) to be completed. The team will get a second chance to redesign / correct / repair all checklist items in the time remaining until the competition. All items on the returned checklist will be inspected at the event site prior to Tech Inspection. If the team made satisfactory improvements / corrections they will be allowed to compete and proceed to Tech Inspection. Failure to make satisfactory improvements / corrections will result in the team being judged ineligible to compete.
- **'C' Rated Car:** The Judges find the car needs extensive redesign and/or remanufacturing in order to meet the minimum standard of good engineering workmanship and safety. The car will be judged as potentially ineligible to compete. Within 20 days of video / photo submission, the team will be sent a list of required improvements (in the form of a prioritized checklist, complete with suggested solutions).

All items on the returned checklist will be inspected at the event site prior to Tech Inspection. If the team made satisfactory improvements / corrections they will be allowed to compete and proceed to Tech Inspection. Failure to make satisfactory improvements / corrections will result in the team being judged ineligible to compete.

Points Penalty:

If a team is promoted from being a 'C' car to a 'B' car *after* pre-tech inspection at the event, they will be allowed to compete. However, they will be penalized 50 points from overall points scored at BSI.

Ineligibility:

If a team fails to make the required improvements / corrections & miss the deadline by more than 5 days, the team will be rejected and that team's spot will be offered to the next team on the Wait List. However, the team is still allowed (and strongly encouraged) to come to the competition with their car and speak with Design Judges and receive advice and insight on how to improve their next year's car, and enjoy the atmosphere of learning and competing.

File Formats:

All photos must be at least 1366 X 788 pixels, in size. File naming convention is as follows: "CarNumber_TeamName_IMG_ImageNumber.jpg". (69_TeamTiger_IMG_34.jpg) Please use the numbering format listed above for all photos. (Example: The number 12 photo will always be the front view of the vehicle with the cockpit template in place.)

All pictures need to be uploaded on the specific upload location ONLY.

Any additional documentation needs to be in .pdf format and in the form of a report. Submission of files which require specific software to open and view the files will be treated as non-submissions.

Please Note:

- Late submission will be treated as non-submission. Non-submission will result in teams being judged ineligible to compete at BSI.
- Submissions not adhering to guidelines (File Name Convention / poor resolution / incomplete submission) will be treated as a non-submission. Non-submission will result in teams being judged ineligible to compete at BSI.
- Teams who submit video & photos well ahead of the deadline will have more time to make corrections on their car. All teams are *strongly encouraged* to send the required video / photo submissions as soon as possible. (Sharp teams will take advantage of receiving feedback ahead of the competition.)
- If a team is judged ineligible, it means they will not be allowed to submit their car for Tech Inspection, or participate in any Static or Dynamic events. However, they are still strongly encouraged to bring their car and visit BSI, in order to gain feedback for future years.

Re-inspection of Corrections Checklist at BSI:

Inspection of B & C cars, to ensure compliance with all items on the corrections checklist will be held at the competition site, prior to Tech Inspection. The B car teams need to satisfy the Judges that they have indeed made all the corrections pointed out in the feedback checklist. This inspection will be carried out by Design Judges, Rules Committee members & the Tech Inspectors.

Summary:

The intent of the Running Car Picture requirement is to allow competitors to be better prepared for the competition when they arrive on-site, while ensuring that every team has a strong chance of quickly and easily passing Tech Inspection. It is also a chance to identify weak teams in order to allow Wait List teams a chance to compete. For too many years we have seen students come to competitions world-wide, only to either quickly break their car due to lack of testing, or spend all week thrashing on their car in a failed last ditch attempt to get it running.