

## SIGNIFICANT RULE CHANGES FOR 2015

- 3.1 Solar Car Divisions: Classic, Open, Advanced, Electric-Solar Powered Car
- 5.2.3 Solar cars with a split shell outer-body covering must have double roll bars to deflect the upper shell over the driver in the event that the shells separate during a collision.
- 5.4.4(b) The low battery warning system must be wired in series with the other components of the supplemental system.
- 5.4.5 Solar cars must have two external and two internal cut off switches (as provided within the rest of this rule)
- 5.12.1(a) Stop lights must be red. Turn indicators and Hazard lights must be amber.
- 5.12.1(b) Stop lights must be visible at 100 meters.
- 5.12.1(c) Stop lights must be pedal activated by both primary and secondary braking systems.
- 5.12.1(e) On cross-country races, both chase vehicles must be equipped with four amber ECCO warning lights, model 3510 or 3518.
- 5.13(b) Teams with body shells are required to have the shells attached to each other to reduce the threat of injury during a collision.
- 5.13(j) Solar car seats must be attached to the main structural frame using at least grade eight bolts.
- 7.8 Teams working on their solar cars in the garage area must use protective eyewear. [Also found in Rule 24.13]
- 8.3 Fees – Registration for the Solar Car Challenge must be accompanied by a non-refundable \$800 fee on February 1<sup>st</sup> of the year the team plans to participate. Teams supplying a complete mechanical drawing of their solar car on June 1<sup>st</sup> will receive \$100 back at Team Check-in; Teams supplying a complete electrical schematic of their solar car on June 1<sup>st</sup> will receive \$100 back at Team Check-in; Teams supplying Manufacturers' Data Sheets for both their batteries and solar cells on June 1<sup>st</sup> will receive \$100 back at Team Check-In.  
  
In effect, the registration fee does not increase from the 2014 level. Teams are encouraged to provide the required registration materials "on time."
- 8.5 Team guests are required to follow the same safety guidelines as the team.
- 8.7 Driver Weight. No ballast is required in the Classic, Open, or Advanced Divisions. A ballast requirement is set out in the Electric-Solar Powered Car Division. [Rule 32]

- 10.1.1 The solar cell efficiency for the Classic Division has been increased to 19%. [This also affects the solar cell efficiency for the Open Division, Rule 10.1.2]
- 10.1.3 Teams using lithium battery packs must have battery protection monitored at the cell level.
- 10.1.4 ELECTRIC-SOLAR POWERED CAR DIVISION – The Electric-Solar Powered Car Division provides teams the opportunity to build a two-seater electric vehicle powered by a stationary power station. This vehicle must meet all relevant requirements set out for a Classic Division Car. [See Section 32 for specifics]
- 19.2.2.9 No more than 3 support vehicles can travel within a mile of the solar car.
- 24.13 Teams working on their solar cars in the garage area must use protective eyewear
- 32 Rules for the Electric-Solar Power Car Division [See Addendum]  
The two passenger requirement for the new Electric-Solar Powered Car Division mandates that the passengers must be seated “side-by-side” in the car.