

**Rules for the
2005 Human Powered Vehicle Competition
Sponsored by the American Society of Mechanical Engineers**

**Appendix 4: Safety Certification
Due February 25, 2005**

As the team leader for the following Human Powered Vehicle entry in the ASME 2005 Human Powered Vehicle Competition,

School: _____

Vehicle Name: _____

Vehicle Number: _____

I certify that, except as noted in Appendix 4a,

- (1) the design and construction of the vehicle has been carried out with due consideration of occupant and bystander safety;
- (2) the design of the vehicle has incorporated
 - a. a braking system that can bring the vehicle to a stop from a speed of approximately 15 miles per hour in a distance of 20 feet or less,
 - b. a steering system that will allow the vehicle to turn within a 25-foot radius,
 - c. rollover protection for riders and stokers, and
 - d. safety belts, and, where feasible, shoulder harnesses;
- (3) the vehicle will have successfully completed tests of items 2a and 2b above before its arrival for the competition;
- (4) the vehicle has been inspected to assure that all surfaces are free from sharp edges and protrusions or that such edges and protrusions have been adequately covered with padding material;
- (5) all riders and stokers associated with this vehicle will wear helmets that meet ANSI Standard Z90.4 while operating the above Human Powered Vehicle or any other human-powered vehicle either on or in close proximity to any event course;
- (6) all riders and stokers will wear belts (and harnesses, as appropriate) at all times when the vehicle is in motion; and
- (7) all riders and stokers will have had not less than 30 minutes of riding experience in their vehicle prior to the competition.

Finally, I understand that our vehicle is subject to on-site inspection and testing and that any modification to the vehicle that reduces the safety of the design to an unacceptable level in the view of the Competition Officials may result in the disqualification of the vehicle from the competition.

Printed Name

Signature

ASME Student Member Number