

Progressive Insurance Automotive X PRIZE

TECHNICAL BULLETIN July 16, 2010

Rules Clarifications, Revisions, and Penalties for the Finals Stage

ADDENDUM 1

This technical bulletin is an amendment and addendum to the Competition Guidelines and is meant to augment the Competition Guidelines. Items in this document supplement and supersede statements regarding the same topic in previous documentation.

Items not addressed in this Addendum should be considered to still be governed by Competition Guidelines v1.3, the Vehicle Technical Specifications, and/or other previously published amendments and addendums to the Competition Guidelines.

As agreed to in Section 5.1 (a) of the Master Team Agreement, Teams must comply with this amendment to the Competition Guidelines.

EFFICIENCY EVENT:

Clarification to the on-track requirements for the Efficiency Event:

From the Supplemental Regulations Amendment and Addendum: "To be eligible for the Grand Prize, Teams must meet the following energy efficiency criterion:

$$\frac{(\text{MPGe On_Road}) + (\text{MPGe Dynamometer})}{2} \geq 100$$

As this leaves open the possibility of competing vehicles to achieve higher MPGe on the dynamometer than on the road and conceding that there is some margin of error in on-road testing, consideration will be given to vehicles that achieve close to 100 MPGe in the Efficiency Event. That said, through the combined experience of the Tech Ops Team and in consulting with the industry experts at ANL, we conclude that it is highly unlikely that teams that achieve less than 90 MPGe on-track would be able to overcome the efficiency deficit in controlled, transient dynamometer testing.

Therefore, vehicles that achieve 90 MPGe or higher and pass all the other Finals events will be given the opportunity to proceed to the Validation Stage. Teams are reminded that this rule applies only to the Efficiency Event. The Combined Performance and Efficiency Event requires that vehicles achieve 100 MPGe and assesses a time penalty for every MPGe under this threshold (See the Supplemental Regulations v2.2 and the initial Technical Bulletin (dated July 9, 2010) for additional information).