

GRPE, Geneva, January 14th 2003
Canadian drafting of OFF-Cycle proposed definitions

The following two definitions discussed during the January 14th meeting in Geneva. Both definitions are in the new Canadian *On-Road Vehicle and Engine Emission Regulations* and were recently drafted based on existing U.S. definitions. *The On-Road Vehicle and Engine Emission Regulations* were published in Part II of *the Canada Gazette* on January 1, 2003, and are available for reference at (http://www.ec.gc.ca/ceparegistry/documents/regulations/g2-13701_r1.pdf)

Element of Design

The Canadian definition appears identical in content with the group's proposal:

"element of design" means, in respect of a vehicle or engine,

- (a) any control system, including computer software, electronic control systems and computer logic;*
- (b) any control system calibrations;*
- (c) the results of systems interaction; or*
- (d) any hardware items."*

Auxiliary Emission Control Strategy (AECS)

With the proposed broad definition "element of design" there is an argument for removing the seemingly redundant reference to "any system, function of device" from the proposed definition of "AECS".

Should the AECS be "installed ON an engine or a vehicle"?

Also the words "any part of" could add precision to the last phrase to ensure that effects on any part of the emission control system are captured by the definition.

The Canadian definition of "auxiliary emission control device" appears to be very similar to the group's proposal and, together with the definition "element of design", addresses the above comments:

"auxiliary emission control device" means any element of design that senses temperature, vehicle speed, engine RPM, transmission gear, manifold vacuum, or any other parameter for the purpose of activating, modulating, delaying, or deactivating the operation of any part of the emission control system."