**TO VEHICLE OPERATORS and the SAFE LOADING PASS**

**ELECTRICAL EQUIPMENT FITTED TO PETROLEUM TANKERS**

On several occasions vehicles have been submitted for a Safe Loading Pass where electrical and electronic equipment has been fitted which do not comply to ADR – Part 9, and also do not comply with the requirements of the EI – Petroleum Road Tanker Design and Construction which is the guidance that is acceptable to Loading Terminals and the standard that the SLPS vehicles checks are based on.

To load product at a Safe Loading Pass participating terminal in the UK, the owner or operator of the vehicle and its equipment shall take into account the requirements of:

The Dangerous Substances and Explosive Atmosphere (DSEAR) Regulations 2002-SI 2776

It is common practice for all loading gantries within a terminal to be classified as hazardous area Zone 1 or Zone 2 with vehicle cabs classified as Zone 2 for permanently energized electrical equipment

Storage of Flammable Liquids –HSE ACoP Guidance HSG 176.

Energy Institute- Petroleum Road Tanker Design and Construction (with Particular reference to the following sections:)

3.1 Vehicle Design. Electrical Equipment.

3.1.6.5 Lighter and/or auxiliary sockets.

3.13 Cab phone to be in compliance with EI Recommendations for radio tele-phone and Its installation in petroleum road tankers

Annex **B.** Permanently Energised Installations. Which gives the requirements to the EX ratings for the electrical equipment for each hazardous zone as well as the certification for compliance. This certificate should be submitted with the vehicle or tanker for each SLP inspection.

On general note any equipment left energized and may distract the driver when loading should have prior approval from the loading terminal.

The zonal requirements between the various publications vary considerably; therefore, a summary of the applicable Electrical Zonal requirements is available on the SLP website.

For a more comprehensive guidance on the electrical and electronic equipment requirements please go to the SLPS website – technicians, which can be found at:

<http://safeloadingpass.co.uk/inspections/technicians/>