Extending the Applicability of U.S. FMVSS 202 to Light Trucks and Vans
Summary of HR-3-12 and HR-3-13

- In 1989, the U.S. extended the applicability of FMVSS 202 on Head Restraints from passenger vehicles to include trucks, buses, and multipurpose passenger vehicles of 4,536 kg GVWR or less (light trucks).

- Evaluation of Problem
  - 17,800 whiplash injuries occurred annually to front seat occupants 15 years and older in light trucks.
    - 1982-1985 data when ~25% of light trucks had head restraints
  - 4.6% of all occupants in rear impacts suffered whiplash injuries
  - 34.4% of those injured in rear impacts suffered whiplash injuries
  - 11,046 head injuries annually due to impacts with the rear window and/or window frame.

- Costs (1989 dollars)
  - Average cost per affected vehicle is $29.45
    - $22 per vehicle
    - $7.45 lifetime fuel penalty cost due to increased weight
  - Estimated number of vehicles affected was 8.71% of fleet

- Benefits
  - Estimated reduction of 510 to 870 injuries
    - Regulation was for a 700 mm tall head restraint