

Progress of the Subgroup on Hydrogen Safety (SGS) Draft

- Work of the SGS is progressing according to the Action Plan (ECE/TRANS/WP.29/2007/41) under the leadership of the task manager Christoph Albus of Germany.
- At the moment, SGS is still on schedule, as outlined by the Action Plan, for having GTR in 2010 (Phase 1) as a result of the good progress in the 5th meeting which took place in January 2009 in Budapest.
- SGS has started drafting the GTR from 4th meeting in Tokyo, and has been continuing the development of GTR. Three main areas outlined in the Action Plan have been discussed: fuel system integrity/leakage, electrical safety, and storage system.
- Based on maturity of each subject, SGS started drafting first with requirements for the fuel system integrity. TUV/Germany, Japan, US and OICA have all proposed items for inclusion in the GTR.
- To advance the discussion effectively, a drafting task force meeting was organized in Frankfurt in April. The DTF group was able to refine key discussion items for the 6th meeting in Beijing, consistent with the Action plan, that is, avoid design specific requirements and provisions that are not justified to the extent possible.
- Regarding storage system issue, it was decided in Budapest that SGS should use the OICA proposed document as a starting point of discussion.
- The electrical safety portion has been developed under the Electric Safety Subgroup (ELSA), in parallel on amending ECE R.100.
- The ELSA group has been drafting the electric safety requirements for both in-use and post-crash, based on proposal from OICA.
- An overall positive development is that we see in the group an increased and very active participation and cooperation among Contracting Parties, industry and standard-setting organizations, namely ISO and SAE. In

particular, OICA has taken the leadership with the US delegate of the drafting of the GTR.

- 6th meeting of SGS is now taking place on 26-29 May 2009 in Beijing hosted by CATARC in China.
- ELSA meeting was took place on 28-29 April, 2009 in Brussels.
- Documents available on the HFCV – SGS website and the co-chairs of SGS would like to thank the UNECE secretariat for its superb, dilligent support in getting the many documents posted on time.