



HarmonHy (SES6 – 513542)

Harmonization of Standards and Regulations for a Sustainable Hydrogen and Fuel Cell Technology

a "Specific Support Action" under the 6th Framework Programme of the European Commission

- 4. Recommendations -

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Recommendations to the HFP/IP European focus

- RCS gaps should be filled by having European countries submitting new work item proposals to ISO/TC 197 or IEC/TC 105 in conjunction with ISO/TC 22 SC21 and SC25, as applicable to ensure that the required RCS are available at the time of commercialisation of products
- The "New Approach" philosophy of the EC should be adopted for the development of regulations, in which only essential requirements are stated in the legal text.
 - Reference to appropriate harmonised standards, preferably appropriate internationally recognised standards such as ISO/IEC documents, should be used instead of defining the technical requirements in the regulation.

Recommendations to the HFP/IP European focus [2]

- The EC should fully support the development of GTR for the automotive sector and play a role to facilitate this process
- Resources should be allocated to cover the HarmonHy recognized gaps in PNR work, as part of RTD projects and specifically allocated in an RCS sub-programme of the coming FP7
- Further emphasis should be given to the link between R&D (PNR and CNR) and standardization bodies

Recommendations to the HFP/IP European focus [3]

- HarmonHy recommends that the work of facilitating RCS harmonization continues with the establishment of a separate (out of the cross-cutting section) *RCS Platform* within the IP or the JTI.
 - The *RCS platform* would support the transport, stationary (including refuelling infrastructure), portable, hydrogen supply and cross-cutting sections of the HFP from which further regulatory and standardization efforts would be coordinated.
 - The *RCS Platform* would facilitate and prioritise RCS issues within the EC, including all EC funded activities.
 - For transport, the *RCS Platform* would provide the RCS backing and resources for the development of the H2FCV GTR.
 - The *RCS Platform* would make sure that the lessons learned from the demonstration projects are fed back to the RCS system.
 - The *RCS Platform* would also act as the liaison committee interfacing with the Regulatory Bodies and the SDO, the European Commission (EC), as well as with other bodies that are funding research in Europe.

Recommendations to the HFP/IP International focus [4]

- RCS and PNR activities have to be carried out with a global focus.
 - The RCS work should be done at the international level (ISO, IEC and UN ECE).
 - International cooperation on PNR work should be encouraged through forums such as IPHE and IEA or international R&D projects.
- The use of an Independent Global Harmonization Body is also seen as an important feature to resolve RCS conflicts that are inevitable and to reach global consensus on e.g. CFD modelling.