Standardization to Support Innovation and Commercialization of HFC Infrastructure

5th International Conference on Hydrogen Safety | Brussels | September 10th, 2013
Thorsten Herbert | Programme Manager Transportation, NOW GmbH
Clear criticism on non-federally harmonized catalogue of requirements on examination during approval processes as well as on the bad state of pre-information of the authorities (more an administrative than a legal deficit)

• Recommendations especially for an efficient approval of HRS’s in Germany have to be implemented without delay, in order to allow for an efficient and fast infrastructure implementation:
  • Federally harmonized catalogue of requirements for the examinations in the frame of approval processes
  • Securing a better level of advance information at authorities
  • Harmonization of requirements like intended by the ISO 20100 in preparation
  • Provision of templates as e.g. for explosion protection documents (2 such templates have been identified)
Guideline for the approval of Hydrogen Refueling Stations

**Goals:**
- Harmonization of permission process
- Efficient procedure

**Background:** Study „Safe Hydrogen Infrastructure“ carried out by NOW; Strong request by H2Mobility/CEP

**Products:** Website & booklet

**Target groups:** Applicants and authorities

www.h2-genehmigung.de

Sep. 10th, 2013
Thorsten Herbert
Guideline with 28 process steps for applicants and authorities
Search function for contact persons at responsible authority
Information about H2 (General Information, Hydrogen Refuelling Stations, FCHV)
News
English version available Oct. 2013

www.h2-genehmigung.de
Guideline for Hydrogen Refuelling Stations

Thorsten Herbert
Sep. 10th, 2013
www.h2-genehmigung.de
International alignment on regulations, codes and standards required

NOW in cooperation with the Federal Ministry of Transport, Building and Urban Development (BMVBS) initiated the first 'International workshop on H2 infrastructure and transportation' from 24th to 26th of June in Berlin. The Goal of the workshop was to share international experience and knowledge in order to discuss current challenges and to develop new strategies to further integrate HFC (hydrogen and fuel cell) technologies into the global transportation sector. The workshop opened the opportunity to align common interest and to harmonize the appearance of key players, such as the USA, Japan, Germany, Scandinavia and the European Commission to accelerate the advancement of hydrogen and fuel cell technology globally.
I would be more afraid to live next to a hydrogen filling station than an ordinary filling station.

I take it for granted that hydrogen vehicles will be safe once they are officially sold.

(n=1012)
Thank you very much!

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