Hi!
We are CEP

The Clean Energy Partnership (CEP) partners work as an industry alliance to further establish green, hydrogen- and fuel cell-powered mobility on the market. With a focus on supply security and environmental compatibility.

Hydrogen, naturally!
www.cleanenergypartnership.de

Here, technology, petroleum and energy companies, gas producers, car manufacturers and suppliers collaborate across industries and sectors. Together, we set standards across all modes of transport. Innovatively and with a view to the future. We are natives of the mobility sector, but consider all adjacent sectors. We see the big picture. Our solution for a successful energy and transport transformation? Hydrogen, naturally!

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LEGAL REQUIREMENT:
According to the Alternative Fuel Infrastructure Regulation (EU) 2023/1804 ANNEX II Article 3a. All new or renewed hydrogen refuelling stations must meet the following requirements:

As of 12.11.2021 (AFID) and from 13.04.2024 (AFIR update):

- HRS Technical Specifications: EN 17127
- Hydrogen quality: EN 17127
- Fuelling Protocol: EN 17127
- Connection devices: EN ISO 17268

PRACTICAL RECOMMENDATION:
The HRS operator shall comply to the above regulations and the CEP recommends providing the following documents:

- FAT\textsuperscript{b} test report, incl. raw test data (Example shown in Annex C of ISO 19880-1 and CEP guideline)
- SAT\textsuperscript{c} test report, incl. raw test data (Template provided by CEP is free to use.) Provide as many graphs as possible for each test.
- Hydrogen quality sampling and analysis report, incl. measured contamination levels.

It also means the following:

- For H70, a nozzle equipped with a communication device is mandatory (\textbf{EN17127} requirement) and strongly recommended for H35
- \textbf{SAE J2601} is the approved filling protocol by the manufacturers of vehicles. (ISO 19880-1 and EN17127 are referring indirectly to this standard.) (Note: SAE J2601:2010 is only a TIR and withdrawn.)
- IR communication as currently described in \textbf{SAE J2799}. (EN17127 refers to this standard)
- Make sure that the pressure provided by the HRS ensures to achieve 95~100\% SOC.

With the expected increase of hydrogen stations in Europe as stated by the “Fit for 55” package from the European Commission, the CEP would like to inform you about the vehicle interface requirements necessary to deploy stations in the EU. This can be split into a legal requirement, and some practical recommendation.

\textsuperscript{a}https://eur-lex.europa.eu/eli/reg/2023/1804/oj refers to the original text
\textsuperscript{b}Factory Acceptance Test. This is a test report that your HRS supplier should provide to the HRS Operator or owner
\textsuperscript{c}Site Acceptance Test. This is a test, performed at the station location