

## WP10 Smart Hydrogen Meter Development and Manufacture: Project Scope Clarification

**Q. Please clarify the requirement for the GSME capability to interface with additional (3rd Party) safety devices which may potentially be added to the HAN.**

The original WP10 ITT (Tender Reference Number TRN: 1778/01/2019) under Section 2.4: Scope of Work stated that:

*“Minimum requirements are that the GSMEs meet all over arching applicable regulation for smart metering including:*

- *They should contain a means of interfacing with third party devices to allow operation of additional safety devices (such as gas detection alarms or anomalous flow detectors) to prevent accumulations of hydrogen gas. This would be using the SMETS2 protocols.”*

This requirement was also explained in further detail in Section 4.8.2: Functional Specification Phase 1 – Safety under part b) HAN Functionality:

*“The GSME provided at the end of this phase must have the capability to interface with additional (3<sup>rd</sup> Party) safety devices which may potentially be added to the HAN. Specific details of these 3<sup>rd</sup> party devices are not yet available but may include devices such as hydrogen gas alarms within a building or gas appliance, which if activated would send a signal to interrupt the gas supply to the building.”*

**A.** The requirements to develop the functionality stated above of the original ITT are now **out of scope** of Hy4Heat Work Package 10.

**There will be no requirement to develop the capability of digital communications from a smart meter to a 3<sup>rd</sup> party device.**

The focus of the WP10 projects should be to deliver safety certified meters by April 2020 which would be complicated by the addition of the above capabilities.

In place of this, suppliers are now requested to provide a summary report of how this capability may be achieved in future, the development that would need to be undertaken and realistic timetables. This should divide this capability into two Option a) to any 3<sup>rd</sup> party device and Option b) to only a suitably accredited hydrogen gas detector and alarm, which would be paired with the meter. Detection of hydrogen would close the valve within the meter. This should be provided in line with Milestone 9 Business Plan & Final Retention.

Please note, it remains an essential requirement of the GSMEs developed under the Hy4Heat programme to have the ability to identify excessive gas flow and disable the gas supply to the building if such a flow is detected. Further detail of this is given in **Section 4.8.2.a (Excessive gas flow)** of the WP10 ITT.

If any further clarification is required, please contact the Hy4Heat team.