

## **795 – Contents of instructions regarding Ex equipment: potential enhancement proposals**

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Abstract: Recent surveys have shown that a lack of consistency for the contents of instructions regarding Ex equipment. As a major contribution for safety regarding prevention and protection against explosion, the manufacturer shall provide to the user written instructions that include the necessary information for safe use, repair, maintenance and/or overhaul of the equipment concerned in accordance with the relevant standards or statutory and regulatory requirements, including any Specific Conditions of Use.

In addition, regarding the intended use, considerations are suggested to enhance contents through

- equipment category and/or EPL defined by the manufacturer (normal use and misuse);
- role of certification agencies regarding assessment of instructions;
- instructions as inputs regarding explosion risk assessment consideration, like hazardous area assessment (fuel dispersion, volume, hazard probability) due to the design of the considered equipment.

Suggestions are given to define contents of the instruction's manual considering the specific design and the intended use.