



ORFEUS

Radar in the underworld

Standards planning was an important work package in ORFEUS and after analysing the relevant European standards the consortium concluded that the project has the potential to go beyond the original recommendations by creating a standard.

ORFEUS agreed a cooperation with DIN (German Standardisation Organisation) and under their guidance and the leadership of Dr. Mike Farrimond of Wellington Associates, a series of Workshops took place in Berlin resulting in the development of "DIN SPEC 91322 - Bore head radar for horizontal directional drilling; environment, conditions, limitations of use".

The work on the Standard was open to all specialists who were encouraged to join the ORFEUS consortium members in these discussions.

The standard was published in September 2015 and is available through the DIN website:

www.din.de/en/about-standards/din-spec/current-din-specs.

Your cost for acquiring the standard is approximately 60 Euros.

DIN SPEC 91322:2015-09 (E)
Bore head radar for horizontal directional drilling (HDD-radar) - Environment, conditions and limitations of use

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What does ORFEUS require regarding standards?

- address the needs of the industry
- ensure wide adoption in the industry
- identify barriers to its adoption
- address these barriers in standards and codes
- address safety and usability
- Establish a Publicly Available Standard (PAS)

What is the content of the Publicly Available Standard?

- Scope – Normative References – Terms and Definitions
- Process Description
- Equipment Requirements
- Drill rod connectivity
- Planning requirements
- Installation requirements
- Installation records
- Performance influencing factors



Why did we choose a Publicly Available Standard?

- Fast
- Simple
- Up-to-date
- Worldwide acceptance
- Involving Stakeholders

What comes next?

- PAS review after 3 years, after that, review every year
- Establishing HDD-radar as state of the art
- Incorporating HDD-radar into world-wide standards (EN / ISO)

For more information, please contact Mike Farrimond at mfarrimond2011@btinternet.com

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This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 308356.

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