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Oil and gas industries including lower carbon energy — Pipeline transportation systems — Onshore and offshore pipelines pig traps design requirements

Industries du pétrole et du gaz, y compris les énergies à faible teneur en carbone — Systèmes de transport par conduites — Exigences de conception des gares de racleurs pour conduites terrestres et en mer

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Foreword

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This document was prepared by Technical Committee ISO/TC 67, *Oil and gas industries including lower carbon energy*, Subcommittee SC 2, *Pipeline transportation systems*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document is not a design manual; rather, it is intended for use in conjunction with sound engineering practice and judgment. It is intended to be used in conjunction with the standards of the pipeline and piping to which the pig trap is connected.

Oil and gas industries including lower carbon energy — Pipeline transportation systems — Onshore and offshore pipelines pig traps design requirements

1 Scope

This document provides requirements for the design, manufacturing, and layout of onshore and offshore pig traps allowing entry to a pipeline for the launching and receiving of pigs, inspection tools and other equipment to be run through a pipeline, together with the associated pipework, valves and instrumentation.

This document does not apply to installations for automatic launchers or to self-contained pigging valves.

This document does not apply to temporary pig traps used only for construction phase.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 9712, *Non-destructive testing — Qualification and certification of NDT personnel*

ISO 13623, *Petroleum and natural gas industries — Pipeline transportation systems*

ISO 13628-8, *Petroleum and natural gas industries — Design and operation of subsea production systems — Part 8: Remotely Operated Vehicle (ROV) interfaces on subsea production systems*

ISO 13628-15, *Petroleum and natural gas industries — Design and operation of subsea production systems — Part 15: Subsea structures and manifolds*

ISO 13847, *Petroleum and natural gas industries — Pipeline transportation systems — Welding of pipelines*

ISO 14313, *Petroleum and natural gas industries — Pipeline transportation systems — Pipeline valves*

ISO 14723, *Petroleum and natural gas industries — Pipeline transportation systems — Subsea pipeline valves*

ISO 15590-2, *Petroleum and natural gas industries — Factory bends, fittings and flanges for pipeline transportation systems — Part 2: Fittings*

ISO/IEC 17024, *Conformity assessment — General requirements for bodies operating certification of persons*

ASME BPVC Section VIII – *Division 1 and 2, Rules for Construction of Pressure Vessels*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/