

Standard for Subsea Production and Processing Control Systems

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Standard for Subsea Production and Processing Control Systems

1 Scope

This standard is applicable to the design, fabrication, testing, installation, and operation of subsea production and processing control systems (SPCS).

This standard covers surface control system equipment, subsea-installed control system equipment, and control fluids. This equipment is used for control of subsea production and process of oil and gas and for subsea water and gas injection services. Where applicable, this standard can be used for secondary users.

2 Normative References

The following referenced documents are indispensable for the application 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.

API Specification 6A, *Specification for Wellhead and Tree Equipment*

API Recommended Practice 17A, *Design and Operation of Subsea Production Systems—General Requirements and Recommendations*

API Specification 17D (2011), *Specification for Design and Operation of Subsea Production Systems—Subsea Wellhead and Tree Equipment*

API Specification 17E, *Specification for Subsea Umbilicals*

API Specification 17H, *Remotely Operated Tools and Interfaces on Subsea Production Systems*

API Recommended Practice 17P, *Recommended Practice for Subsea Structures and Manifolds*

API Specification Q1, *Specification for Quality Management System Requirements for Manufacturing Organizations for the Petroleum and Natural Gas Industry*

API Standard 520, *Sizing, Selection, and Installation of Pressure-relieving Devices*

API Standard 521, *Pressure-relieving and Depressuring Systems*

API Standard 670, *Machinery Protection Systems*

ASME Boiler and Pressure Vessel Code¹, Section V: *Nondestructive Examination*

ASME Boiler and Pressure Vessel Code, Section VIII: *Rules for Construction of Pressure Vessels, Division 1*

ASME Boiler and Pressure Vessel Code, Section IX: *Welding, Brazing, and Fusing Qualifications*

ASME B31.3, *Process Piping*

ASTM D97-02, *Standard Test Method for Pour Point of Petroleum Products*

ASTM D903-98, *Standard Test Method for Peel or Stripping Strength of Adhesive Bonds*

¹ American Society of Mechanical Engineers, Two Park Avenue, New York, New York 10016, www.asme.org.

² ASTM International, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428, www.astm.org.