Specification for Subsea Wellhead and Tree Equipment

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Specification for Subsea Wellhead and Tree Equipment

1 Scope

This document provides specifications for subsea wellheads, mudline wellheads, drill-through mudline wellheads, and both vertical and horizontal subsea trees. It specifies the associated tooling necessary to handle, test, and install the equipment. It also specifies the areas of design, material, welding, quality control [including factory acceptance testing (FAT)], marking, storing, and shipping for individual equipment, subassemblies, and subsea tree assemblies.

The user/purchaser is responsible for ensuring that subsea equipment meets any additional requirements of governmental regulations for the country in which it is installed. This is outside the scope of this specification.

This specification is not applicable to the rework and repair of used equipment.

In situ testing is beyond the scope of this specification.

System integration test (SIT) is beyond the scope of this specification.

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, except that new editions may be used on issue and shall become mandatory upon the effective date specified by the publisher or 6 months from the date of the revision (where no effective date is specified).

API Specification 5B, *Threading, Gauging, and Inspection of Casing, Tubing, and Line Pipe Threads*

API Specification 5CT, *Casing and Tubing*

API Specification 5DP, *Drill Pipe*

API Specification 6A, *Specification for Wellhead and Tree Equipment*, 21st Edition

API Standard 6AV1, *Validation of Safety and Shutdown Valves for Sandy Service*

API Specification 16A, *Specification for Drill-through Equipment*

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

API Standard 17F, *Standard for Subsea Production Control Systems*

API Standard 17G, *Design and Manufacture of Subsea Well Intervention Equipment*

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

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

API Recommended Practice 17R, *Recommended Practice for Flowline Connectors and Jumpers*

API Technical Report 17TR7, *Verification and Validation of Subsea Connectors*