

Operation, Inspection, Maintenance, and Repair of Drilling and Well Servicing Structures

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Operation, Inspection, Maintenance, and Repair of Drilling and Well Servicing Structures

1 Scope

1.1 Objective

This document provides guidelines and establishes recommended procedures for inspection, maintenance, and repair of items for drilling and well servicing structures, in order to maintain the serviceability of this equipment. The information in this document should be considered as supplemental to, and not as a substitute for, the manufacturer's instructions and the recommendations in API 54.

1.2 Structures Covered

Items of drilling and well servicing structures covered by this document include:

- masts/derricks and accessories;
- substructures and accessories.

NOTE 1 Crown block sheaves and bearings are covered under API 8B.

NOTE 2 Offshore derricks and their substructures and accessories are not under the scope of this document relative to 6.2.4, Category IV inspection requirements.

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 4F, *Drilling and Well Servicing Structures*

ASNT SNT-TC-1A, *Recommended Practice for Personnel Qualification and Certification in Non-Destructive Testing*

AWS D1.1, *Structural Welding Code*

ISO 9712, *Non-Destructive Testing—Qualification and Certification of NDT Personnel*

3 Terms, Definitions, Acronyms, and Abbreviations

For the purposes of this document, the following terms, definitions, acronyms, and abbreviated terms apply. In addition, terms and definitions given in API 4F apply. If identical terms are defined in API 4F and this document, the definitions in this document apply.

3.1 Terms and Definitions

3.1.1 Certification

The act of endorsing as meeting set standards or requirements.