

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

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Contents

	Page
1	Scope 1
1.1	Objective 1
1.2	Structures Covered. 1
2	Normative References 1
3	Terms, Definitions, Acronyms, and Abbreviations 1
3.1	Terms and Definitions 1
3.2	Acronyms and Abbreviations 3
4	General Principles. 3
4.1	Procedures 3
4.2	Personnel Qualifications 4
4.3	Training 5
5	Use and Maintenance 5
5.1	General 5
5.2	Loading 5
5.3	Bolted Structure 6
5.4	Racking Platforms 6
5.5	Changes in Rig Location 6
6	Inspection 7
6.1	General 7
6.2	Inspection Categories 8
6.3	Frequency of Inspection 9
6.4	Acceptance Criteria 10
6.5	Rejected Equipment 10
6.6	Damage Classification 10
7	Repair 10
7.1	General 10
7.2	Corrosion. 11
7.3	Fire and Heat Exposure 11
8	Modification/Change in Rating 12
8.1	Planning 12
8.2	Design and Modification 12
8.3	Padeyes 12
8.4	Lifting Eyes 12
8.5	Nameplates for a Modification/Change in Rating 12
9	Documentation and Records. 13
9.1	Inspection and Repair Records. 13
9.2	Identification/Traceability. 14
10	Unidentified Equipment-load Rating Determination. 16
10.1	Procedure. 16
10.2	Qualification. 16
11	Foundation Requirements 16
11.1	General 16
11.2	Leveling and Shimming 17

Contents

	Page
12	Raising/Bridle Line Inspection and Replacement 17
13	Guying for Portable Masts with Guylines 18
13.1	General 18
13.2	Standing Ropes 19
13.3	Frequency of Inspection 19
13.4	Guywire End Terminations and Hardware 19
13.5	Pretension of Guywires 20
14	Guywire Anchors for Portable Masts with Guylines 20
14.1	General 20
14.2	Capacity Verification 21
14.3	Alternative Anchoring Practices 21
14.4	Pull Testing and Site Preparation 22
14.5	Responsibilities of Contractor, Operator, and Testing Company 23
15	Foundations for Masts and Substructures 24
15.1	Foundations and Supplemental Footing 24
15.2	Wellhead Cellars 24
16	Low-temperature Operations 24
	Annex A (normative) Drilling Mast Visual Inspection Form 27
	Annex B (normative) Well Servicing Masts Visual Inspection Form 37
	Annex C (normative) Drilling Derrick Visual Inspection Form 43
	Annex D (normative) Substructure Visual Inspection Form 51
	Bibliography 57
Figures	
1	Typical Mast Lifting Lugs 12
2	Recommended Guying Pattern 18
3	Guywire Sag (Catenary) 20
4	Anchor Spacing and Capacity Criteria 22
5	Portable Mast Location Preparation 25
Tables	
1	Inspection Types and Frequencies for Drilling Structures 9
2	Inspection Types and Frequencies for Well Servicing Structures 9
3	Inspection Criteria 11
4	Guying Recommendations 20
5	Guywire Sag Values 21
6	Anchor Capacity of Guywire Load 22
7	Safe Bearing Capacity of Soils 26

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.