Training for Offshore Pedestal-Mounted Crane Riggers, Operators, and Inspectors

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May: As used in a standard, “may” denotes a course of action permissible within the limits of a standard.

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Introduction

The API crane standards provide the design basis and construction, operations and maintenance, and training guidelines and requirements for pedestal-mounted cranes intended for use in offshore oil and gas applications on fixed and floating structures or vessels. They are intended to be used together, as appropriate, to better serve the product manufacturers and users—these include:

— Specification 2C, *Offshore Pedestal-Mounted Cranes*

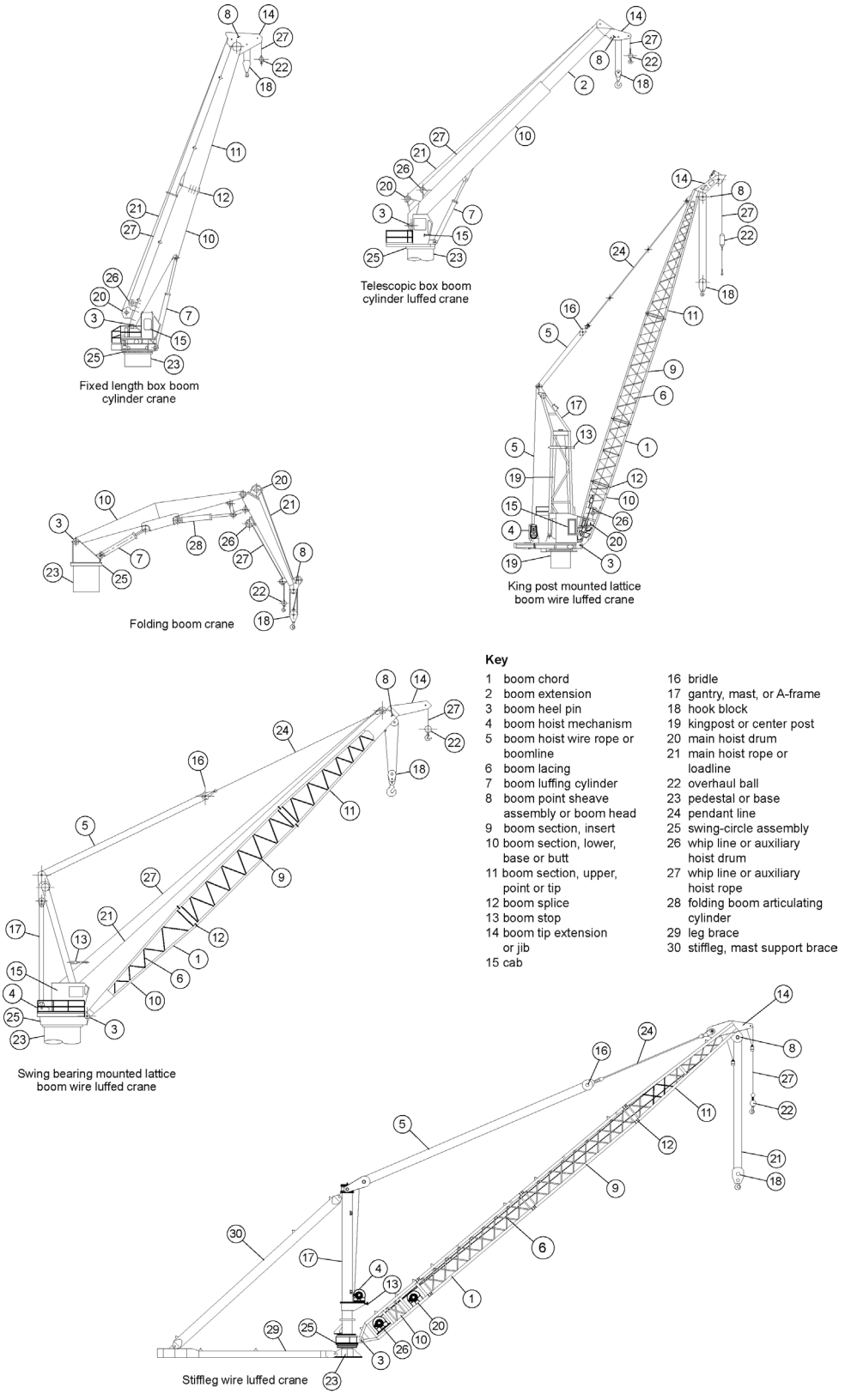
— Recommended Practice 2D, *Operation and Maintenance of Offshore Cranes*

— Recommended Practice 2D-2, *Training for Offshore Pedestal-Mounted Crane Riggers, Operators, and Inspectors*

The requirements, procedures, and guidance provided are based on internationally recognized industry standards and global best practices, as well as the collective knowledge and experiences of those that participated in developing these standards. As such, the material in these standards represent the contribution from industry representatives of crane users, crane manufacturers, wire rope manufacturers, and ancillary crane device or component manufacturers. Conformance to the intent of the practices herein is intended to result in cranes that operate safely and efficiently between inspection periods and in accordance with a company's safety and environmental management system (see API 75).

It should be understood that the crane operating, and maintenance practices cover a wide range of crane types and configurations. Not all practices are applicable to all cranes. When applying this standard, care should be taken to review each item as stated and use those items specifically applicable to the crane's type, usage, and duty-cycle. It may be necessary to modify a procedure due to a particular crane requirement. This modification would be wholly acceptable as long as the original intent of the practice or procedure is met.

See Figure 1 below for general illustrations of the various types of cranes.



NOTE Stiffleg designs differ depending on application. All components shown are not required for all designs.

Figure 1—General Crane Illustrations

Training for Offshore Pedestal-Mounted Crane Riggers, Operators, and Inspectors

1 Scope

This standard establishes general principles for the training of personnel for safe operations and maintenance of offshore pedestal-mounted cranes, as a companion to API 2D and API 2C. This standard also provides requirements and recommendations for personnel seeking qualification as a crane rigger, operator, or inspector.

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 addenda or errata) applies.

API Recommended Practice 2D, *Operation and Maintenance of Offshore Cranes*

API Specification 2C, *Offshore Pedestal-Mounted Cranes*

3 Terms, Definitions, and Abbreviations

3.1 Terms and Definitions

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

3.1.1
A-frame
gantry
mast
A structural frame, extending above the machinery deck or upper structure to which the boom support ropes are reeved.

3.1.2
articulating boom
folding boom
knuckle boom
A type of crane boom where the boom tip can change its angle relative to the base section of the boom.

3.1.3
anti-two-blocking
A means to protect hoist ropes, structural components, and machinery from damage that can occur when two sheave groups (e.g. load block and boom tip) come into contact as the hoist cable is drawn in.

3.1.4
auxiliary hook
A supplemental load block of lighter capacity and usually higher speed than provided for the main load block.

3.1.5
axis of rotation
The vertical axis around which the crane upper structure rotates.