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QS222 Rev. A

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1.0 PURPOSE

This document describes the Field Performance Report procedure.

2.0 GENERAL INFORMATION

- API 16A 4th Edition Annex D
Internal and External Requirements
- API S53 4th Edition Annex B
- API 16AR 1st Edition Annex D
- BSEE Well Control Rule 30 CFR 250.730 (c).

3.0 GENERAL PROCESS

- 3.1 Field Performance Report is filled out with all required fields.
- 3.2 Report is distributed to appaftermarket@axonep.com
- 3.3 Report is assigned AXON FPR number and distributed to appropriate Axon shareholders, engineering, manufacturing, and quality group(s) for root cause analysis, corrective action, and Product Information Bulletin (PIB); were applicable.
- 3.4 Upon completion of requirements, review with Axon External appropriate parties will be conducted and FPR case closed.

References:

API 16A 4th Edition Annex D

**Annex D
Failure Reporting**

D.1 Manufacturer's Requirements

D.1.1 Manufacturer's Internal Requirements

All significant problems experienced with drill through equipment noted during its manufacture, testing or use shall be formally communicated to the individual or group within the manufacturer's organization responsible for the design and specification documents.

The manufacturer shall have a written procedure that describes forms and procedures for making this type of communication and shall maintain records of progressive design, material changes, or other corrective actions taken for each model and size of drill through equipment.

D.2.2 Manufacturer's External Requirements

All significant problems experiences with drill through equipment shall be reported in writing to each and every equipment owner of the drill through equipment within three weeks after the occurrence.

The manufacturer shall communicate any design changes resulting from a malfunction or failure history to every equipment owner using the affected equipment. That notice shall be within 14 days after the design change.

API S53 4th Edition Annex B

**Annex B
Failure Reporting**

B.1 User Recommendations

B.1.1 The equipment owner of blowout prevention equipment shall provide a written failure report to the equipment manufacturer of any malfunction or failure that occurs.

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B.1.2 The failure report shall include the following:

- a) as much information as possible on the operating conditions that existed at the time of the malfunction or failure;
- b) an accurate a description as possible of the malfunction or failure;
- c) any operating history of the blowout prevention equipment leading up to the malfunction or failure (e.g. field repair, modifications made to the blowout prevention equipment, etc.).

B.1.3 The manufacturer shall respond to receiving the failure report and provide a timeline to provide failure resolution.

B.2 Manufacturer’s Recommendations

B.2.1 Manufacturer’s Internal Recommendations

B.2.1.1 All significant problems experienced with blowout prevention equipment noted during its manufacture, testing or use shall be formally communicated to the individual or group within the manufacturer’s organization responsible for the design and specification documents.

B.2.1.2 The manufacturer shall have a written procedure that describes forms and procedures for making this type of communication, and shall maintain records of progressive design, material changes, or other corrective actions taken for each model and size of blowout prevention equipment.

B.2.2 Manufacturer’s External Recommendations

B.2.2.1 All significant problems experienced with blowout prevention equipment shall be reported in writing to each and every equipment owner of the blowout prevention equipment within three weeks after the occurrence.

B.2.2.2 The manufacturer shall communicate any design changes resulting from a malfunction or failure history to every equipment owner using the affected equipment. That notice shall be within 14 days after the design change.

API 16AR 1st Edition Annex D

Failure Reporting

D.1 Owner Responsibility

The owner of drill through equipment shall provide a failure notification to the equipment remanufacturer if equipment failure investigation is required.

The failure report shall include the following:

- the operating conditions that existed at the time of the malfunction or failure;
- an accurate a description as possible of the malfunction or failure;
- any operating history of the drill through equipment leading up to the malfunction or failure (e.g. field repair, modifications made to the drill through equipment, etc.).

D.2 OEM / CEM Responsibility

D.2.1 OEM / CEM Internal Responsibility

All failures experienced with drill through equipment during the repair and remanufacturing process shall be formally communicated to the individual or group within the OEM or CEM organization responsible for the design and specification documents in accordance with API 16A.

The OEM or CEM shall have a written procedure that describes forms and procedures for making this type of communication, and shall maintain records of progressive design, material changes, or other corrective actions taken for each model and size of blowout prevention equipment in accordance with API 16A.

D.2.2 OEM / CEM External Responsibility

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All failures experienced with drill through equipment and any design changes resulting from a malfunction or failure history shall be reported in accordance with API 16A.

The OEM or CEM shall communicate any design changes resulting from a malfunction or failure history to every equipment owner using the affected equipment in accordance with API 16A.

The OEM or CEM shall respond to receiving the failure report and provide a timeline to provide failure resolution.

The OEM / CEM shall, on request of the equipment owner, provide a failure report / of any malfunction or failure.

BSEE Well Control Rule 30 CFR 250.730 (c).

Equipment Failure Reporting/Near-Miss Reporting

- Requires that operators share information with Original Equipment Manufacturers (OEMs) related to the performance of their BOP system equipment. This sharing of information makes it possible for the OEMs to notify all users of any safety issues that arise with BOP system equipment.

- Requires that operators report any significant problems with BOP or well-control equipment to BSEE, so BSEE can determine whether information should be provided, in a timely manner, to OCS operators and, if appropriate, to international offshore regulators and operators.

