

# **Product Life Cycle Management System Requirements for the Petroleum and Natural Gas Industries**

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# Product Life Cycle Management System Requirements for the Petroleum and Natural Gas Industries

## 1 Scope

This document defines the requirements of a management system for service providers performing life cycle management of products for organizations in the petroleum and natural gas industry. The document identifies requirements for service providers of life cycle management and the activities required to perform product life cycle management including determination of product life cycle management status, actions required to maintain a status, and development of the life cycle management plan.

Multiple products used together as part of a system application may be included in the scope of this document, but only as individual products.

This document was developed for upstream activities application. This document is intended for pressure-containing and/or pressure-controlling products for wellbore fluids but may also be applied to other equipment that is specified by the product owner or customer. Although this document and/or portions thereof could be applicable to other industry segments, it is recommended that other segments carefully review these requirements in order to determine their applicability and, if necessary, to develop an applicable annex identifying any segment-specific requirements.

This document does not include technical requirements for products and does not include requirements for determination of fitness-for-service for a particular product. In addition, this document does not include requirements for original design and manufacture of product.

## 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 six (6) months from the date of the revision.

API Specification Q1, *Specification for Quality Management System Requirements for Manufacturing Organizations for the Petroleum and Natural Gas Industry*

API Specification Q2, *Specification for Quality Management System Requirements for Service Supply Organizations for the Petroleum and Natural Gas Industry*

## 3 Terms, Definitions, Acronyms, and Abbreviations

### 3.1 Terms and Definitions

For the purposes of this document, the terms and definitions given in API Q2 and the following shall apply. When identical terms are defined in API Q2 and this document, the following definitions shall apply.

#### 3.1.1

##### **certification body**

An organization independent of the manufacturer that has demonstrated adequate competence, authority, and credibility to perform independent and objective audits of another organization in order to provide verification of the adequate qualification/competency of the audited organization's personnel and evidence that the audited organization's products satisfy applicable requirements.