

ICS 13.100
CCS E 09

SY

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SY/T 6671-2017

Replacing SY/T 6671-2006

**Recommended practice for classification of locations for
electrical installations at petroleum facilities classified as Class
I, Zone 0, Zone 1, and Zone 2**

石油设施电气设备场所Ⅰ级0区、1区和2区的分类
(English Translation)

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Table of Contents

What this standard covers	1
Document data	2
Standards quoted by this document	3

What this standard covers

This standard applies to the classification of electrical equipment for temporary and permanent installations, ie for use in normal atmospheric environments where there is a risk of ignition due to the presence of flammable gases or a mixture of vapour and air. Normal atmospheric conditions are defined as reference points of 101.3 kPa (14.7 psia) and 20° C (68 °F), and the effect of the change on the explosive properties of flammable materials is negligible. The following items are not included in this standard: a) Pipeline systems for odorizing natural gas fuels used in cooking, heating, air conditioning, laundry and other similar equipment. b) Catastrophic accidents such as blowouts or bursting of process vessels. Such extreme events are unpredictable and require contingency measures when they occur. c) Rationality of installing non-electrical equipment locations. d) contains can

Document data

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Supersedes the earlier edition SY/T 6671-2006.

Standards quoted by this document

API RP 2G; API RP 1153; API RP 14C; API RP 14F; API RP 14G; API RP 500; API RP 521; API RP 540; API PUB 4322; API PUB 4589; API PUB 4615; API PSD 2216; AGA XF0277; ASTM D323-82