

# Recommended Practice for Fire Prevention and Control on Fixed Open-type Offshore Production Platforms

API RECOMMENDED PRACTICE 14G  
FOURTH EDITION, APRIL 2007

REAFFIRMED, SEPTEMBER 2019



AMERICAN PETROLEUM INSTITUTE

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**Upstream Segment**

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Suggested revisions are invited and should be submitted to the Standards and Publications Department, API, 1220 L Street, N.W., Washington, D.C. 20005, [standards@api.org](mailto:standards@api.org).

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# Recommended Practice for Fire Prevention and Control on Fixed Open-type Offshore Production Platforms

## 1 General

### 1.1 INTRODUCTION

For many years, the petroleum industry has prepared documents representing the knowledge and experience of industry on various phases of oil and gas producing operations. In a continuation of this effort, this RP presents guidance for minimizing the possibility of accidental fires and for designing, inspecting, and maintaining the fire control systems on open type offshore platforms. Application of these practices, combined with proper design, operation, and maintenance of the entire production facility can provide adequate protection from the threat of fire.

### 1.2 SCOPE

This publication presents recommendations for minimizing the likelihood of having an accidental fire and for designing, inspecting, and maintaining fire control systems. It emphasizes the need to train personnel in fire fighting, to conduct routine drills, and to establish methods and procedures for safe evacuation. The fire control systems discussed in this publication are intended to provide an early response to incipient fires to prevent their growth. However, this discussion is not intended to preclude the application of more extensive practices to meet special situations or the substitution of other systems which will provide an equivalent or greater level of protection.

This publication is applicable to fixed open-type offshore production platforms which are generally installed in moderate climates and which have sufficient natural ventilation to minimize the accumulation of vapors. Enclosed areas, such as quarters buildings and equipment enclosures, normally installed on this type platform are addressed. Totally enclosed platforms installed for extreme weather conditions or other reasons are beyond the scope of this RP.

### 1.3 INDUSTRY CODES, STANDARDS, AND RECOMMENDED PRACTICES

Various organizations have developed standards, codes, specifications, and recommended practices which have substantial acceptance by government and industry. Listed below are publications that may be useful to persons designing, installing, and operating fire control systems on offshore production platforms. The latest edition of these publications should be consulted. It should be recognized that portions of some of these publications are not applicable to offshore operations:

#### API

- RP 14C *Analysis, Design, Installation and Testing of Basic Surface Safety Systems on Offshore Production Platforms*
- RP 14E *Design and Installation of Offshore Production Platform Piping Systems*
- RP 14F *Design and Installation of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class I, Division 1, and Division 2 Locations*
- RP 14FZ *Design and Installation of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class I, Zone 0, Zone 1 and Zone 2 Locations*
- RP 14J *Design and Hazards Analysis for Offshore Production Facilities*
- RP 75 *Development of a Safety and Environmental Management Program for Offshore Operations and Facilities*
- RP 500 *Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Division 1 and Division 2*
- RP 505 *Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Zone 0, Zone 1 and Zone 2*
- RP 520 *Sizing, Selection, and Installation of Pressure-relieving Devices in Refineries*
- RP 521 *Guide for Pressure-relieving and Depressurizing Systems*
- RP 2003 *Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents*
- Publ 2030 *Application of Fixed Water Spray Systems for Fire Protection in the Petroleum and Petrochemical Industries*
- Publ 2218 *Fireproofing Practices in Petroleum and Petrochemical Processing Plants*
- RP T-1 *Orientation Programs for Personnel Going Offshore for the First Time*