

GP 16-01-01	Area Classification and Related Electrical Design for Flammable Liquids, Gases or Vapors	July 2001
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Area Classification and Related Electrical Design for Flammable Liquids, Gases or Vapors

GP 16-01-01

Scope

[I] This Global Practice (GP) covers the classification of areas where flammable liquids, gases, or vapors are handled, processed, or stored.

[I] The requirements of this Practice are intended for application to petroleum refineries and similar petrochemical facilities.

[I] An asterisk (*) indicates that additional information is required. If a job is contracted, this additional information is furnished in the Job Specification.

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1. Required References

[I] This Section lists Practices and Standards that are generically referenced and assumed to be a part of this document. Unless otherwise specified herein, use the latest edition.

1.1. Global Practices–ExxonMobil Engineering Practices

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1.2. API–American Petroleum Institute

API RP 500	Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Division 1 and Division 2
API 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

1.3. NFPA–National Fire Protection Association

NFPA 30H	Flammable and Combustible Liquids Code Handbook
NFPA 70	National Electrical Code
NFPA 496	Standard for Purged and Pressurized Enclosures for Electrical Equipment (National Fire Codes, vol. 7)
NFPA 497	Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas Revised and Redesignated from NFPA 497A-1992 and Part of NFPA 497M-1991 (National Fire Codes, vol. 11)
NFPA 497M	(Withdrawn) Manual for Classification of Gases, Vapors, and Dusts for Electrical Equipment in Hazardous (Classified) Locations Revised and Redesignated in Part by 497-1997; and 499-1997 (National Fire Codes, vol. 11)
Note (1) The application of NFPA 497 shall be limited to small or batch type plants in accordance with NFPA 497. Continuous process or large batch type plants shall comply with API RP 500, API RP 505 and this GP.	

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