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Guidance on Industry Standard for Sound Attenuators and Terminal Units

GIS 14-025

**BP GROUP
ENGINEERING TECHNICAL PRACTICES**

Foreword

This is the first issue of Engineering Technical Practice (ETP) BP GIS 14-025. This Guidance on Industry Standard (GIS) is based on the following heritage documents from merged BP companies:

Amoco

A ST-OFS-LQ-E	Living Quarters Engineering Spec.
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BP

GS 114-7 HVAC	Sound Attenuators for offshore use
GS 114-8 HVAC	Terminal Units for offshore use

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1. Scope

This GIS provides guidance for purchase, design, documentation, shipping, construction, installation, and commissioning considerations. The information included in this specification is not intended to cover complete details.

2. Normative references

The following normative documents contain requirements that, through reference in this text, constitute requirements of this technical practice. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this technical practice are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies.

American Bureau of Shipping (ABS)

RP 63 Guide for Building and Classing Facilities on Off-shore Installations

American Petroleum Institute (API)

RP 2A Recommended Practice for Planning, Designing, and Constructing
Fixed Offshore Platforms.

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

American Society of Heating, Refrigerating, & Air-conditioning Engineers Inc. (ASHRAE)

62 Ventilation for Acceptable Indoor Air Quality

American Society for Testing & Materials (ASTM)

E84 Standard Test Method for Surface Burning Characteristics of Building
Materials

British Petroleum (BP)

GP 6-60 Onshore and Offshore Paints and Coatings

GP 12-15 Wire & Cable

GP 12-20 Motors

GP 12-25 Earthing / Grounding

GP 12-30 Lighting & Small Power

GP 12-45 Electrical for Packaged Systems

GP 12-60 Hazardous Area Electrical Installations

GP 14-01 Engineering Guide to Noise Control

GP 14-02 HVAC Onshore

GP 14-03 HVAC Offshore

GP 32-10 Inspection and Testing of New Equipment

GP 32-20 On-site Inspection and Testing

GP 32-48 Inspection and Testing of Off-shore installations

GP 32-50 Inspection and Testing of Electrical Equipment (ANSI)



GP 32-51	Inspecting and Testing of Electrical Equipment (IEC)
GP 40-10	Skid mounted units

British Standards Institute (BSI)

BS EN ISO 13702	Petroleum and Natural Gas Industries Off-shore Production Installations Heating, Ventilation and Air-Conditioning
BS 4718	Methods of Test for Silencers for Air Distribution Systems
BS 476	Fire Tests on Building Materials
BS 1449	Steel Plate
BS 2989	Hot Dip Zinc Coating

Chartered Institution of Building Services Engineers (CIBSE)

Guides to HVAC Systems

International Electro-technical Commission (IEC)

61892-6	Mobile and Fixed Offshore Units - Electrical Installations
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International Organization for Standardization (ISO)

ISO 15138	Petroleum and Natural Gas Industries Off-shore Production Installations Heating, Ventilation and Air-Conditioning
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National Electrical Manufacturer Association (NEMA)

Standards for Enclosures

National Fire Protection Association (NFPA)

NFPA 70	National Electrical Code
NFPA 90A, 90B	HVAC Installation Code

Sheet Metal & Air Conditioning Contractors National Association (SMACNA)

HVAC Standards

3. Symbols & abbreviations

Db	decibels
Hz	Hertz
Kw	Kilowatt
Kg	Kilograms
Mm	millimetre
Pa	Pascal
V	Volts

4. Codes and standards

- a. The following codes and standards shall be applied:



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