



Methane Emissions



TECHNICAL STANDARDS FOR METHANE EMISSIONS

Reference to CEN/CENELEC Technical Committees

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INTRODUCTION

MARCOGAZ actively collaborates with standardisation bodies such as CEN, and our members have been deeply involved in the standardisation work for decades.

Essentially, standards reflect the state of the art in terms of safe and sustainable operational gas supply activities. The standardisation process fosters the continuous improvement of assets' integrity and interoperability while ensuring the continuity of supply to the customers in the best conditions. The introduction of new gases is a major step in the gas value chain and technical standards are crucial to support the gas industry's contribution to decarbonisation.

Based on its technical work and experience, MARCOGAZ developed a [summary of technical standards applicable to the gas industry's](#) activities to guide representatives and players in the sector. Given the large number of existing standards, MARCOGAZ selected the most relevant for the gas mid and downstream sector. This list is subject to periodic updates, based on the evolving nature of the standardisation processes and industry needs.

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Technical standards for gas

CEN / CENELEC Technical Committee			Title	CEN / CENELEC reference
CEN/CLC/JTC 6	Hydrogen in energy systems	WG1	Hydrogen in energy systems - vocabulary	prEN ISO 24078
CEN/TC 234	Gas infrastructure		Implementation Guide for functional standards prepared by CEN/TC 234 Gas infrastructure - Part 1: General	TR 13737-1
CEN/TC 234	Gas infrastructure		Gas infrastructure - Implementation Guide for Functional Standards prepared by CEN/TC 234 - Part 2: National Pages related to CEN/TC 234 standards	TR 13737-2
CEN/TC 234	Gas infrastructure	WG11	Gas infrastructure - Quality of gas - Group H	EN 16726
CEN/TC 234	Gas infrastructure	WG14	Assessment of methane emissions for gas transmission and distribution systems [Scope currently being extended to Underground Gas Storages and LNG Regasification Terminals]	prCEN/TR XXX
CEN/TC 238	Test gases, test pressures, appliance categories and gas appliance types		Natural gas - Standard reference conditions (ISO 13443:1996 including Corrigendum 1:1997)	EN ISO 13443
CEN/TC 238	Test gases, test pressures, appliance categories and gas appliance types		Natural gas - Vocabulary (ISO 14532:2014)	EN ISO 14532
CEN/TC 238	Test gases, test pressures, appliance categories and gas appliance types		Natural gas - Calculation of compression factor - Part 1: Introduction and guidelines (ISO 12213-1:2006)	EN ISO 12213-1
CEN/TC 264	Air quality		Stationary source emissions - Predictive Emission Monitoring Systems (PEMS) - Applicability, execution and quality assurance	TS 17198
CEN/TC 264	Air quality		Stationary source emissions - Automatic method for the determination of the methane concentration using flame ionisation detection (FID) (ISO 25140:2010)	EN ISO 25140
CEN/TC 264	Air quality		Fugitive and diffuse emissions of common concern to industry sectors - Measurement of fugitive emission of vapours generating from equipment and piping leaks	EN 15446
ISO Technical Committee			Title	ISO reference
ISO/TC 207	Environmental management		Greenhouse gases — Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals	ISO 14064-1
ISO/TC 207	Environmental management		Greenhouse gases — Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements	ISO 14064-2