

# Indirizzi per una Strategia italiana sulle emissioni di metano della filiera del gas naturale

**Il ruolo del CIG e della normazione tecnica**

*Stefano Cagnoli – Direttore generale CIG*

**Roma, 21 dicembre 2022**

- **1953** dicembre: viene costituito il Comitato Italiano Gas (CIG) con la finalità di migliorare la sicurezza e l'efficienza nell'uso dei gas combustibili
- **1960** Il CIG entra a far parte dell'UNI (Ente nazionale italiano di normazione) come Ente federato, diventando così l'organo ufficiale italiano per l'unificazione normativa nel settore dei gas combustibili.



**Attività di normazione**

**Supporto tecnico all'attività  
legislativa e regolatoria**

**Formazione ed eventi**

**Pubblicazioni**



Brussels, 15.12.2021  
COM(2021) 805 final

2021/0423 (COD)

Proposal for a

**REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

**on methane emissions reduction in the energy sector and amending Regulation (EU) 2019/942**

(Text with EEA relevance)

{SEC(2021) 432 final} - {SWD(2021) 459 final} - {SWD(2021) 460 final}

## **Chapter 1 General Provisions**

*Article 3 Costs of regulated operators*

## **Chapter 2 Competent authorities and independent verification**

*Article 4 Competent authorities, Article 5 Tasks of the competent authorities, Article 6 Inspections, Article 7 Complaints lodged with the competent authorities, Article 8 Verification activities and verification statement, Article 9 Independence and accreditation of verifiers, Article 10 International Methane Emissions Observatory,*

## **Chapter 3 Methane emissions in the oil and gas sectors**

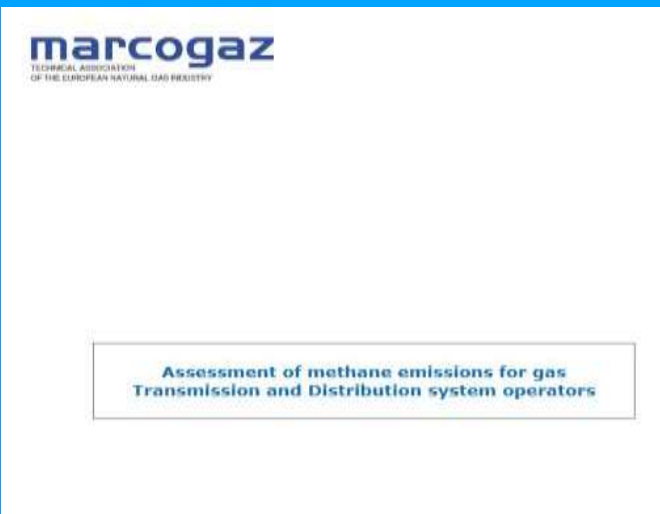
*Article 11 Scope, Article 12 **Monitoring and reporting**, Article 13 General mitigation obligation, Article 14 **Leak detection and repair**, Article 15 Limits to venting and flaring, Article 16 Reporting of venting and flaring events, Article 17 Requirements for flaring standards, .....*

# Attività prenormativa Marcogaz (1) <https://www.marcogaz.org/>



2019

Potential ways the gas industry can contribute to the reduction of methane emissions



2019

Assessment of methane emissions for Gas Transmission & Distribution System Operators

Name):	

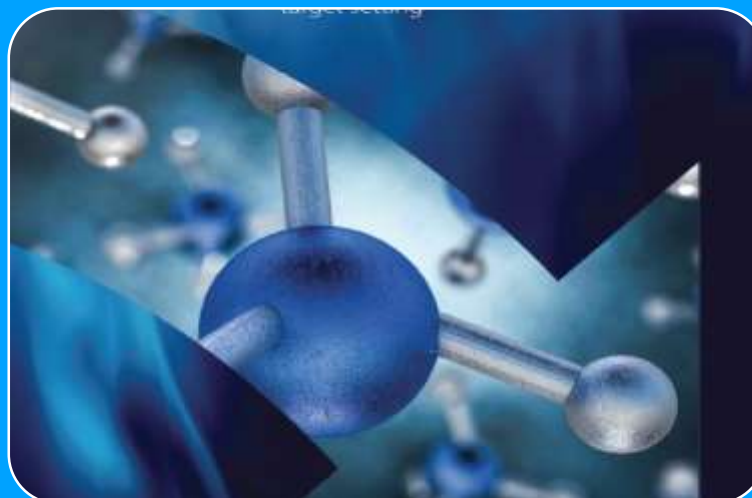
Scope of i

- Transm
- Underg
- LNG re
- Distribu

2020

MARCOGAZ methane emissions reporting template

# Attività prenormativa Marcogaz (2)



2020

**GUIDELINES – Methane Emissions target setting**



2020

**Guidance for the MARCOGAZ methane emissions reporting template – TSO-UGS-LNG receiving terminals-DSO**



2021

**Methane Emissions Glossary (IOGP, IPIECA, GIE, MARCOGAZ)**

# Attività prenormativa Marcogaz (3)



2021

Leak Detection And Repair (LDAR)



2021

Recommendations on Venting and Flaring



2022

Proposal for a Regulation on methane emissions reduction in the energy sector

# Attività normativa CEN



**Comitato Tecnico CEN/TC 234 Gas Infrastructures WG 14 Methane emissions**

**MRV**

(Monitoring  
Reporting and  
Verification)

**LDAR**

(Leak Detection  
And Repair)



# Attività normativa CEN



**MRV**

**(Monitoring  
Reporting and  
Verification)**

TECHNICAL SPECIFICATION  
SPÉCIFICATION TECHNIQUE  
TECHNISCHE SPEZIFIKATION

**FINAL DRAFT**  
**FprCEN/TS 17874**

July 2022

ICS 75.200

English Version

**Methodology for methane emissions quantification for gas  
transmission, distribution and storage systems and LNG  
terminals**

Méthodologie pour la quantification des émissions de  
méthane relatives aux réseaux de transmission, de  
distribution, aux stockages de gaz, et aux terminaux  
GNL

Abschätzung von Methanemissionen für  
Gastransport und -verteilnetze

**votazione chiusa  
settembre 2022**

**novità**

# Attività normativa CEN

***FprCEN/TS 17874 Methodology for methane emissions quantification for gas transmission, distribution and storage systems and LNG terminals***

## INTRODUCTION

.....Methane emissions management and reduction is a priority for the European natural gas industry. To address this challenge a high level of transparency and reliability when reporting its emissions of methane is required with harmonized standards.

A lack of harmonized standards to address the quantification of methane emissions from the natural gas industry has been detected and, therefore, developed the present document that describes a methodology, based on a source-level approach, to identify and to quantify all types of methane emissions from transmission, distribution and storage systems and LNG terminals.

# Attività normativa CEN

***FprCEN/TS 17874 Methodology for methane emissions quantification for gas transmission, distribution and storage systems and LNG terminals***

**INTRODUCTION** ~~Vedere Annex I OGMP 2.0 level and tier description and correspondence~~

This quantification methodology can be used for OGMP reporting needs. It should be a technical guideline for gas companies across Europe to support fast and harmonized implementation of methane emissions quantification process.

This methodology is based in large parts on the document prepared by Marcogaz “Assessment of methane emissions for gas Transmission and Distribution system operators” [www.marcogaz.org](http://www.marcogaz.org)

# Attività normativa CEN

***FprCEN/TS 17874 Methodology for methane emissions quantification for gas transmission, distribution and storage systems and LNG terminals***

## SCOPE

This document describes **a methodology to identify** different types of **methane emissions** from gas infrastructure and it explains, step by step, **how to quantify** each type of emission in a gas **transmission, distribution and/or storage system and in an LNG terminal...**

# Attività normativa CEN

## LDAR

(Leak Detection  
And Repair)

**New Work Item Proposal from CEN/TC 234/WG14 (avvio lavori  
2023)**

The document describes leak detection and repair program (LDAR) for gas transmission, distribution and underground gas storage systems as well as for LNG regasification terminals.

This includes:

- definition of the applicability perimeter and concerned assets, devices or components
- LDAR strategy and general set up for LDAR programs
- establishment and optimization of survey frequencies for different types of infrastructures and assets
- description of the appropriate procedures and methodologies for leak detection on-site in liaison with CEN/TC 264 equipment standards
- repair criteria as well as, repair and monitoring schedule rules

- .....

# GRAZIE PER L'ATTENZIONE

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