



SIMPLIFIED SUMMARY OF THE NEW BASELINE AND MONITORING METHODOLOGY OR METHODOLOGICAL TOOL FORM (Version 02.0)

BASIC INFORMATION OF THE NEW BASELINE AND MONITORING METHODOLOGY OR METHODOLOGICAL TOOL

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Type of standard	New baseline and monitoring methodology
Unique reference number	A6.4-PMM008
Title of the new baseline and monitoring methodology or new methodological tool	Leak detection and repair in natural gas transmission and distribution systems
Date of completion of the initial assessment	31/05/2026

SUMMARY OF THE NEW BASELINE AND MONITORING METHODOLOGY

Scope of the methodology	10
Key applicability conditions	<ul style="list-style-type: none"> • No advanced leak detection and repair (LDAR) was in place during the last three years prior to the implementation of the project activity; • No advanced LDAR is mandated by law • The following activities are excluded: (i) Reduction in process venting; (ii) Activities at gas extraction or processing facilities; (iii) Repairs due to a specific legal or regulatory requirement or in jurisdictions where an advanced LDAR is mandated ; (iv) leaks that can be repaired by tightening/re-greasing or by similar measures; (v) leaks detected and repaired under a conventional LDAR; (vi) new leaks on components which were not part of the project boundary at the first verification of the project activity.
Baseline approach and downward adjustment	The baseline approach is based on “existing actual or historical emissions, adjusted downwards”. These emissions are calculated based on the flow rate of methane for the physical leak, the timespan assumed for its duration in the baseline and adjusted downwards for the initial year and subsequent years.
Demonstration of additionality	Activities shall perform a regulatory analysis and demonstrate the avoidance of lock-in the level of emissions. Activities should then apply either an investment analysis or barrier analysis. Performance-based approach is not applicable. A common practice analysis is required to demonstrate that fewer than 10% of the total number of targeted components of a gas transmission or distribution system are covered by an advanced LDAR program during the three years prior to the start of the project.

Calculation of emission reductions or net GHG removals	The emission reductions are based on the difference, from the time a leak is detected, between the baseline emissions and the project emissions. These project emissions are based on the flow rate of methane for the physical leak over time.
Monitored parameters	<ul style="list-style-type: none"> • Methane leak flow rate • Average mass fraction of methane in the natural gas and in the leak • Volume and fill time of bags for measurements
SUMMARY OF THE NEW METHODOLOGICAL TOOL	
Scope of the methodological tool	N/A
Key applicability conditions	N/A
Calculation of baseline emissions/removals, project emissions/removals or leakage	N/A
Monitored parameters	N/A

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
02.0	20 August 2025	Revision to incorporate new sections and sub-sections in line with current standards.
01.0	18 December 2024	Initial publication of form template.

Decision Class: Regulatory
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Business Function: Methodology
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