**INTERNATIONAL GAS UNION – WORKING COMMITTEE 3
“GAS TRANSMISSION”**

**Study Group 3.2 “Integrity of gas transmission systems and environmental footprint reduction”**

**SECTION3- Environmental footprint and reduction**

**Questionnaire about investigation into the status of gas transmission companies to measure the environmental footprint and initiated actions to reduce emissions.**

**GENERAL INFORMATION ABOUT THE QUESTIONNAIRE**

**SCOPE OF SG 3.2**

**The Study Group 3.2 aims to investigate the following:**

 **The legislative trends in the last years at national and international level about the environmental matters. Also, the Public and the Mass Media have been strongly interested in the environmental footprint and reduction with the earthly environmental issue as a trigger. The footprint are methane, CO2, NOx, SOx, solid, liquids, noise, and so on. The societal responsibility of companies to measure their own environmental footprint and to define measures to reduce emissions. The interest footprint is different from nations and companies. The investigation would like to know what the definitions are and what reduction methods are.**

**- The footprint that gas transmission companies paying attention to in its gas transmission system.**

**- The activities that gas transmission companies perform in order to reduce the emissions.**

**From the experiences and the indications that will be collected, SG 3.2 aims at identifying the items to be further analysed and studied in its future activity for presentation at the next World Gas Conference elements for an open and complete discussion among the Participants about the threats to pipeline integrity, activities and actions to reduce risk of pipeline failure (due to the threats), and the effectiveness of those activities and actions in reducing the pipeline risk.**

**In order to analyze the above mentioned items, the Group needs to collect information from the different gas transmission companies worldwide.**

**This step will be fulfilled with the collaboration of the WOC 3 Companies that are kindly requested to respond to the attached questionnaire.**

**GUIDELINES FOR THE COMPILER**

**The Company’s Compiler should describe in synthetic way the situation existing in its Country allowing the SG 3.2 to elaborate a general framework for planning the next activities.**

**For this description the Compiler shall fill the green boxes. The dimension of the boxes is not fixed and the Compiler can insert the text as long as necessary.**

**DATA ABOUT THE COMPILER**

**COMPANY NAME:**

**COUNTRY:**

**NAME**

**TELEPHONE NUMBER**

**E-MAIL ADDRESS**

**Position in the Company**

**Environmental footprint**

1. **Please specify the name of environmental footprint (i.e methane, CO2, NOx, SOx , solids (hydrocarbon coatings, etc.), liquids (hydrocarbons, etc.) and noise) that your Gas Transmission Company pays attention to in its gas transmission system and rank the items of such footprint in order to importance.**

**Has anything new come to your attention in recent years? If YES, please specify what.**

1. **What are the reasons to select the footprint you described in question 1? (ex. greenhouse gas, air pollution, water pollution, soil pollution, greenhouse gas emissions,, and so on).**

**Has anything new come to your attention in recent years? If YES, please specify what.**

1. **Please specify the emission source of the footprint you described in question 1. (ex. buried pipeline, compressor station, valve station, metering and regulating stations).**

**Has any new source come to your attention in recent years? If YES, please specify what.**

1. **Please describe the name of the parts responsible of the emission source you described in question 3. (ex. Valve, engine and so on).**

**Has any new source come to your attention in recent years? If YES, please specify what.**

**5) How has your company measured the emission you described in question 1? Please describe methods or technologies to measure the emission. In this answer, please clarify actual physical measurements or estimated amounts. Do you identify gaps in the measurement techniques? Do you identify interesting emerging technologies in the emissions’ measurement area?**

**Reduction**

1. **Does your Company have the practices/methodologies/technologies to reduce the emission of the footprint you described in question 1? If yes, please describe them.**

**Can you identify best practices and emerging practices / methodologies / technologies? Is there any gap you identify in these practices / methodologies / technologies?**

**7) Please describe the effect of practices/methodologies/technologies you described in question 6 for reduction of the footprint (ex. Contribution for approximately 5% reduction of the gas species). Do you consider these approaches efficient enough? Please comment on each practice / methodology / technology.**

**8) What is the definition/interpretation of “emission” from the point of view of the member country? Please describe them. Are there any recent or planned evolutions in these definitions / interpretations?**

**9) What is the definition/interpretation of “emission” in other industries of your country? Please describe them. Are there any recent or planned evolutions in these definitions / interpretations?**

**10) Have the contents of environmental footprint that you described in question 1 changed in comparison with the past? If yes, please describe the name of the previous footprint. Do you anticipate any evolution in the near future (3 years)?**

**GENERAL**

**If you have any additional any area to the ones mentioned from the questions 1 to 10, please describe it giving the information required under environmental footprint and reduction.**

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