

## QUESTIONNAIRE TO REGULATORS OF ECE UN COUNTRIES

1. The security of which pipeline systems concerns you to a greater extent?

- 1) Distribution
- 2) Regional
- 3) Transregional (trunk) lines
- 4) Interconnectors
- 5) Hub's (include virtual)

\* Noted by your level of importance, 5 - highest, 1 – lowest

2. What safety criteria applied when designing for different climatic and environmental areas are of a greater significance for you?

- 1) Environmental and ecological
- 2) Technological
- 3) Geopolitical
- 4) Terrorism international
- 5) Economical and organizational

\* 1. Noted by your level of importance, 5 - highest, 1 – lowest

2. Premeditate a list of references to national (territorial) rules and regulations establishing requirements in the security design of pipelines based on natural and climat, geological and other similar circumstances.

3. Do regulatory documents and standards, requirements, which are effective in your countries (please indicate which ones) envisage requirements to various methods of laying the trunk lines when designing for different climatic and environmental and geological conditions:

- 1) In desert and mountainous areas,
- 2) Marsh areas,
- 3) Mine working areas,
- 4) Land slip zones,
- 5) Regions of permafrost soils extent,
- 6) At the areas with structural-unstable soils,
- 7) At the terrain and artificial obstruction crossings,
- 8) At active tectonic faults
- 9) Sinkholes,
- 10) Areas with freeze-thaw actions (heaving, ice build-up).

\* Noted by your level of importance, 10 - highest, 1 – lowest

4. Which types of risks are of a greater importance when developing the programs of pipeline industry in your country?

- 1). Surface damage
- 2). Terrorism
- 3) Seismic

- 4) Geo-ecological
- 5) Economical and organizational
- 6) Geo-political

\* 1. Noted by your level of importance, 6 - highest, 1 – lowest

2. Please indicate regulatory documents (laws, standards, statutory instruments, etc) in the field of development planning of the pipeline system.).

5. Are there regulatory requirements (recommendations) on an national (local territory) level for establishing and functioning of the integrity control system in the companies which are operators at oil and gas pipeline systems?
6. What critical parameters are more important when qualifying the safety of pipeline systems (during the construction and operation)?

\* 1. Please indicate regulatory documents (laws, standards, statutory instruments, etc.).

2. What elements are included in the project integrity.

7. When evaluating the integrity of trunk line systems in the regulatory documents, is there considered the firmness of its tie-ins to the receiving/dispatching terminals, and for the gas pipeline systems – its tie-ins with the functioning of LNG terminals:

\* 1. Please indicate regulatory documents (laws, standards, statutory instruments, etc.).

2. What elements are included in the project integrity of pipelines connections with LNG terminals?

8. Do national laws, delegated legislation, regulatory documents and standards applicable in your country envisage the necessity to perform in-line inspection in the oil and gas trunk lines?

\* What regulations, standards define requirements for the organization, procedure, and safety in-line inspection? Provide a list of relevant regulatory documents.

9. What national laws are there statutory requirements (recommendations) for establishing and functioning of the HSSE (Health, Safety, Security, Environment) system in the companies which are operators at oil and gas pipeline systems?

10. How to assess the compliance of pipelines with the requirements of mandatory national (territorial) standards in the field of safety at each stage of the life cycle of the pipeline (design, construction, maintenance, major repairs and reconstruction, decommissioning and disposal).

\* List of regulatory documents establishing requirements for such conformity assessment.