

STEEL PIPELINES SYSTEMS - STANDARDIZATION

Arie KRIJGSMAN, GASUNIE, Netherlands

Abstract

The European Natural Gas Transmission Industry's policy is focussed on the 'self regulation' of the gas infrastructure within the European Community. For that reason great effort is put in the development and maintenance of European standards for the gas transmission pipelines and the facilities, the gas infrastructure.

Related to safety, economy and a sustainable design the European Standards are providing a sound basis for National legislation and the elaboration of supplementary detailed company specifications.

With respect to Quality and Safety Management external standards and company specifications are the basis for the internal standardization. The framework of internal standards and the internal standardization process are an important part of quality and safety management, leading to a sound design of the gas transmission system with a high reliability.

Currently the National Regulators are more and more demanding the gas transmission companies to demonstrate being a prudent network operator. Regarding to safety and quality aspects participation in external standardization committees and the internal standardization process and document management are most important in proving the high quality and safety levels of the gas transmission system both in design and operation.

With regard to the gas infrastructure the correlation between the National, European and International standardization processes will be shown.