

**Suggestion of preliminary
discussion over the restart of
ISO/TC67/SC1**

- The pipeline transmission is the most economic and rational transportation method for oil and gas.
- The whole world has laid a total distance of 2300000km oil or gas pipelines, and adds 20000~30000km more each year.
- It will be an important trend for the future natural gas pipelines to use high pressure transmission and high grade line pipes, which can best save the construction cost.

- China is building the second west-east and mid-Asia pipelines after the completion of the West-east Pipeline, Shaan-jing Pipeline, etc. (150,000km)
- In the construction of the Second West-east Pipeline, X80 pipeline steel is put into large production and application, which represents the world level of steel metallurgy, rolling, and pipe making technology in China .

- It is inseparable for the fast development of the oil and gas line pipes in China from the international standardization. The active adoption of the international standards and the world advanced standards has contributed to continuous renovation and elevation of the pipeline construction levels in China.

- During the drafting of the line pipe specifications for the Second West-east Pipeline project, China has actively grouped many experts from Canada, Italy, Japan, Korea, UK, USA to have a lot of discussion and exchanges, holding international seminars and workshops in the scope of pipeline fracture and arrest, high grade steel, material properties, high deformation, strain based design, etc. Many of the good merits from those exchanges and discussions have formulated into the final specifications.

- The Second West-east Pipeline has laid over 1000km using the line pipes specified by these specifications.
- During the formulation of these specifications, we repeatedly heard concerns from the industry that the pipeline construction is facing unprecedented opportunities and challenges, especially with the line pipe.

- Artic low temperature, deep sea, sand desert, earthquake active areas, and large deformation land surface, high altitude drops.
- Under such critical circumstance, for the construction of long distance, high pressure and high volume transmission pipelines.

- As the basic and critical product for the oil and gas pipeline transmission system, the line pipe needs full emphasis and independent position.
- The numbers of line pipe standards are going to increase and have much to do, which gives us good reasons.
 - ✓ **A traditionally separate individual subcommittee**
 - ✓ **Focus on line pipe**

Standards to be developed:

- (1) High strength (X80 and higher) pipeline steel and pipes;
- (2) Low temperature and high strength pipeline steel and pipes;
- (3) High strength pipeline steel and pipes with adequate fracture performance;
- (4) HIC resistant pipeline steel and pipes;
- (5) CO₂ resistant pipeline steel and pipes;
- (6) High deformation resistant pipeline steel and pipes;
- (7) Pipes of steel and composite materials;
- (8) NDT inspection

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1. The prosperous development of line pipe needs independent position.
 2. China is active in pipeline constructions and wishes to contribute to the international standards.
- Thank you so much for your attention.