Work Report of

ISO/TC 263 Secretariat

Peihua Zhao

ISO/TC 263 secretariat

October, 2016

1. Structure of ISO/TC 263

2. Work Report

3. Work Plan

1. Structure of ISO/TC 263

➢Establishment

✓ISO/TC 263 was established on November 14th, 2011

✓SAC(China) takes role of the secretariat of ISO/TC 263

✓Work scope: Standardization in the field of CBM industry, including CBM exploration, development, production and utilization

Ceremony of the establishment of ISO/TC 263

1. Structure of ISO/TC 263

- **Chairperson: Mr. Jianhao Lin**
- **Secretariat**

ISO/TC 263 Secretariat is attached to PetroChina CBM Company, a specialized CBM exploration and utilization company in China

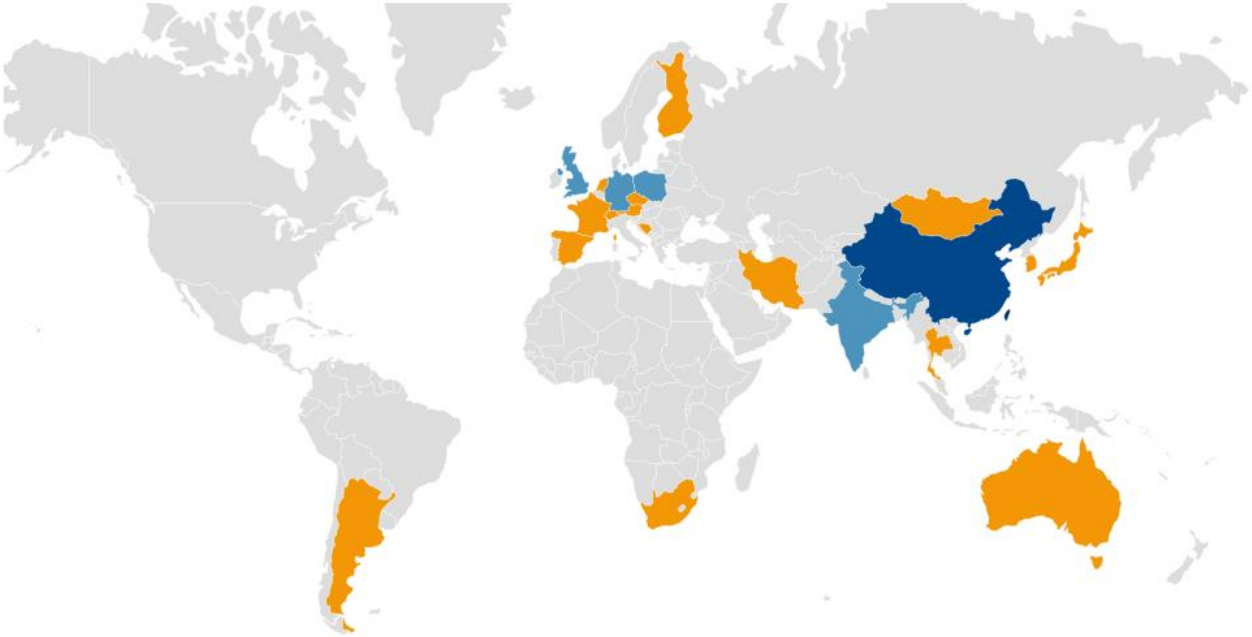
ISO/TC 263 Secretariat obtains specialized Office and two staff with excellent English skills dealing with the daily work

Name	Post
Dr. Peihua ZHAO	Secretary
Mr. Jiazun LI	Secretary assistant

Staff of ISO/TC 263 Secretariat

1. Structure of ISO/TC 263

➢Members



Secretariat

China (SAC)

Participating Countries (5)

China (SAC)

Germany (DIN)

India (BIS)

Poland (PKN)

United Kingdom (BSI)

Observing Countries (16)

Argentina (IRAM)

Australia (SA)

Austria (ASI)

Bosnia and Herzegovina (BAS)

Czech Republic (UNMZ)

Finland (SFS)

France (AFNOR)

Iran, Islamic Republic of (ISIRI)

Japan (JISC)

Korea, Republic of (KATS)

Mongolia (MASM)

Netherlands (NEN)

South Africa (SABS)

Spain (AENOR)

Switzerland (SNV)

Thailand (TISI)

1. Structure of ISO/TC 263

- **Two Working Groups**

a) Fundamentals of CBM exploration

Twin Conveners:

Mr. Yijun Liu (China)

Mr. Ralph Schlueter (Germany)

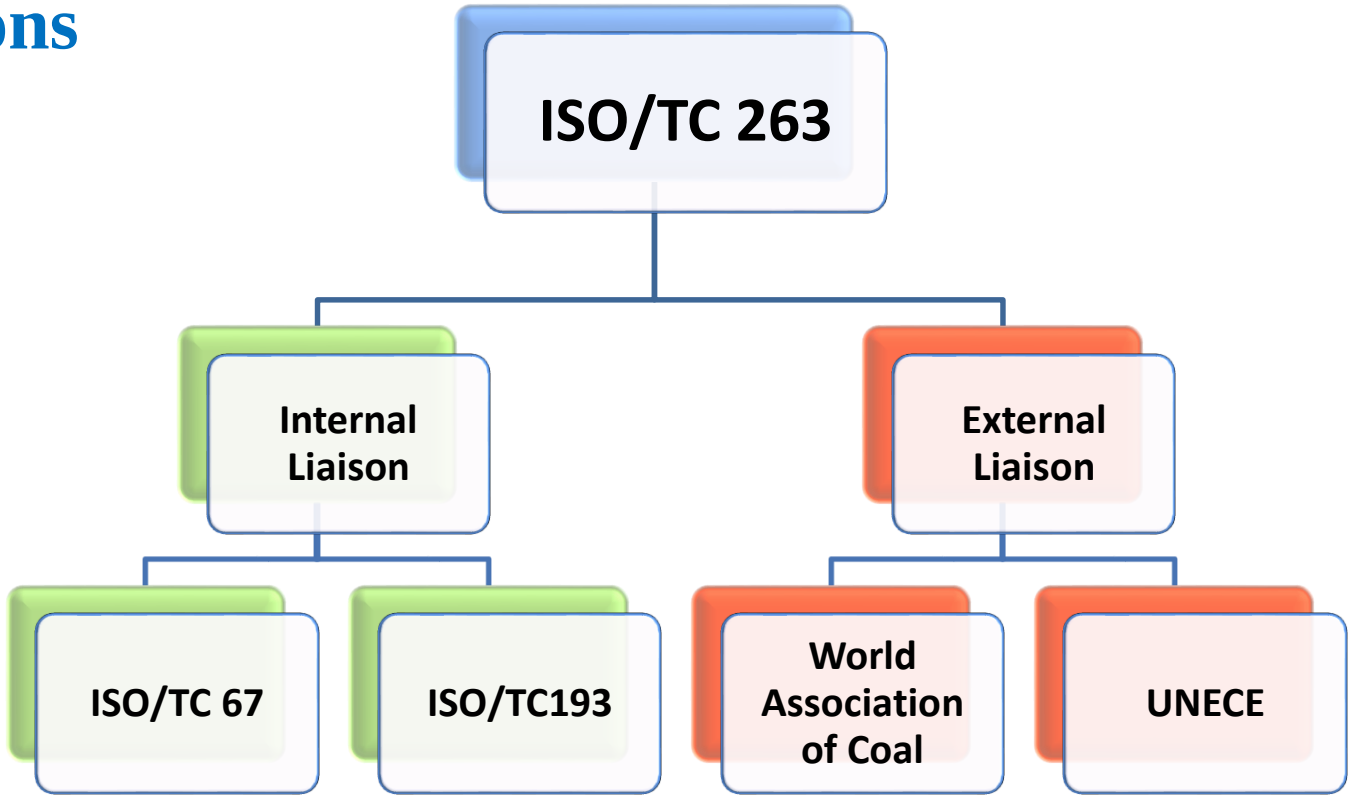
b) Underground CBM

Convener:

Mr. Jianbing Meng (China)

1. Structure of ISO/TC 263

➢Liaisons



ISO/TC67: Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries

ISO/TC 193: Natural gas

Work Report of ISO/TC 263 Secretariat

1. Structure of ISO/TC 263

2. Work Report

3. Work Plan

2. Work Report

- **Held 4 Plenary Meetings**
- **Made advance to the Development of Standards**
- **Took part in the GMI and UNECE meeting**

2. Work Report

➢ Held 4 Plenary Meetings

- ◆The 1st plenary meeting was held in October 2012
- ◆Host: SAC(China) and PetroChina
- ◆Location: Beijing, China
- ◆Theme: The Establishment of ISO/TC 263 and discussing its official documents

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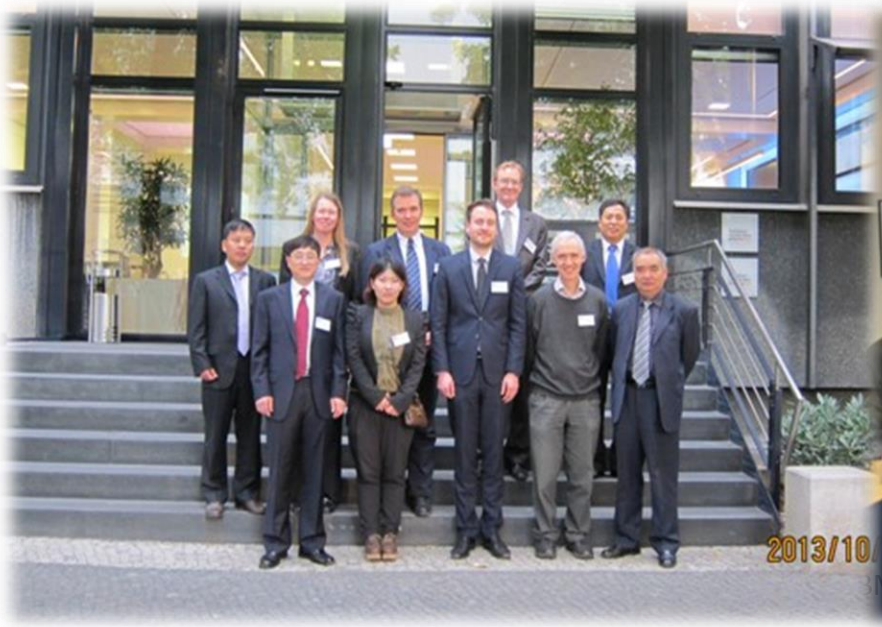
2. Work Report

➢ Held 4 Plenary Meetings

- ◆The 2nd plenary meeting was held in October 2013
- ◆Host: DIN (Germany) and DMT
- ◆Location: Berlin, Germany
- ◆Theme: Establishing working group 1 and initiating its 2 working projects



2. Work Report

➢ Held 4 Plenary Meetings

- ◆The 3rd plenary meeting was held in September 2014
- ◆Host: SAC (China) and Huainan Mining Corporation
- ◆Location: Huainan, China
- ◆Theme: Establishing working group 2 and discussing working projects

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2. Work Report

➢ Held 4 Plenary Meetings

- ◆The 4th plenary meeting was held in October 2015
- ◆Host: PKN (Poland) and GIG
- ◆Location: Katowice, Poland
- ◆Theme: Creating the A-liaison with UNECE and discussing working projects

2. Work Report

➢ Made advance to the Development of Standards

7 Projects under the direct responsibility of ISO/TC 263 Secretariat

Project No.	Project	WG	Stage
ISO 18871	Method of determining coalbed methane content	WG 1	Published
ISO 18875	Coalbed methane exploration and development — Terms and definitions	WG 1	Published
ISO 18879	Delivery system of gas-water two-phase flow of low concentration coal mine gas	WG 2	Preliminary
ISO 20287	Integrated pillarless co- extraction of coal and gas	WG 2	Preliminary

2. Work Report

➢ Made advance to the Development of Standards

7 Projects under the direct responsibility of ISO/TC 263 Secretariat

Project No.	Project	WG	Stage
To be designated	Practice for determination of adsorptive capacity of coal by volumetric method	WG 1	Preliminary
To be designated	Recommended Practices for Formation Damage Evaluation of CBM	WG 1	Preliminary
To be designated	Method of determining the specific surface area of coal	WG 1	Preliminary

2. Work Report

➢ Published 2 International Standards

1. ISO 18871:2015

Method of determining coalbed methane content

Published on September 29, 2015

Working Period from 2012 to 2015

INTERNATIONAL STANDARD

ISO 18871

First edition
2015-09-15

Method of determining coalbed methane content

Méthode de dosage de la teneur en méthane de houille

Reference number
ISO 18871:2015(E)

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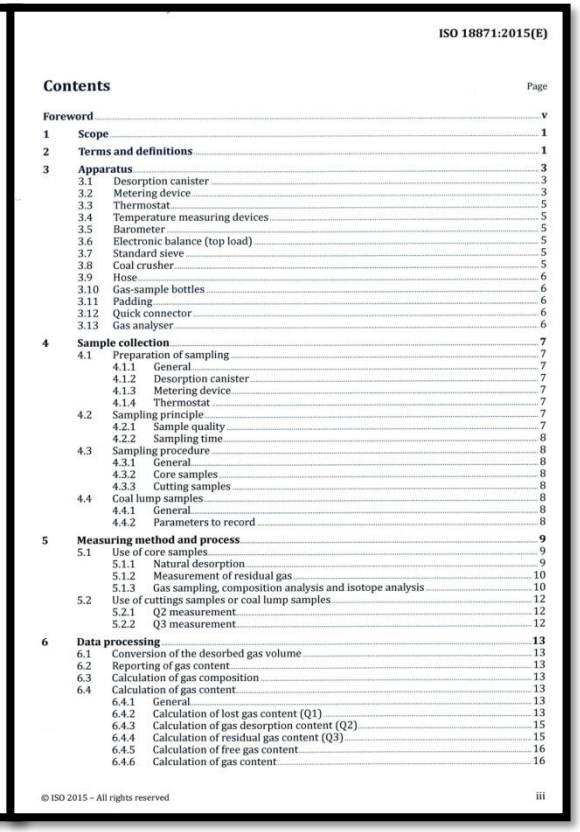

ISO 18871:2015(E)

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2. Work Report

ISO 18871:2015
Method of determining coalbed methane content

Document published on: 2015-09-15	
Edition: 1 (Monolingual)	**ICS: 73.020**
Status: Published	**Stage: 60.60 (2015-09-29)**
TC/SC: ISO/TC 263	**Number of Pages: 29**

2. Work Report

ISO 18871:2015

Method of determining coalbed methane content

Abstract

ISO 18871:2015 provides methodology for measuring coalbed methane content of coal core samples obtained by coring or sidewall coring during well drilling. It shall be also applied to drill cuttings samples, if the equipment for the determination of the coalbed methane content according to a respective national standard is not available. The selection of the most appropriate method shall consider the purpose of the test and the possibilities of sampling.

ISO 18871:2015 is applicable for the direct method of measuring coalbed methane content. It includes sample preparation, experimental procedures and calculation methods. Indirect methods of measuring gas content of coal (not included in this standard) are generally based on either the gas sorption characteristics of coal under defined/specified pressure and temperature conditions.

ISO 18871:2015 includes three types of direct measuring methods: conventional desorption (slow desorption) of core samples, fast desorption of core samples, fast desorption of cuttings or lump samples. The difference among them lies in the time allowed for gas to desorb before final crushing and in sample size and shape.

ISO 18871:2015 is applicable for the determination of the methane content of coal during coal and coalbed methane exploration for the determination of free gas content of low rank coals is included.

2. Work Report

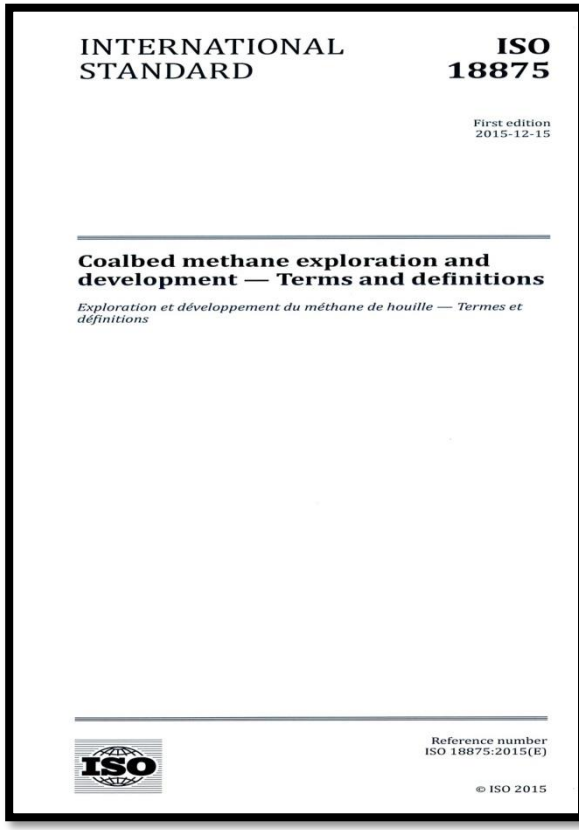
➢ Published 2 International Standards

2. ISO 18875:2015

Coalbed Methane Exploration and Development — Terms and Definitions

Published on December 15, 2015

Working Period from 2012 to 2015



INTERNATIONAL STANDARD

ISO 18875

First edition
2015-12-15

Coalbed methane exploration and development — Terms and definitions

Exploration et développement du méthane de houille — Termes et définitions

Reference number
ISO 18875:2015(E)

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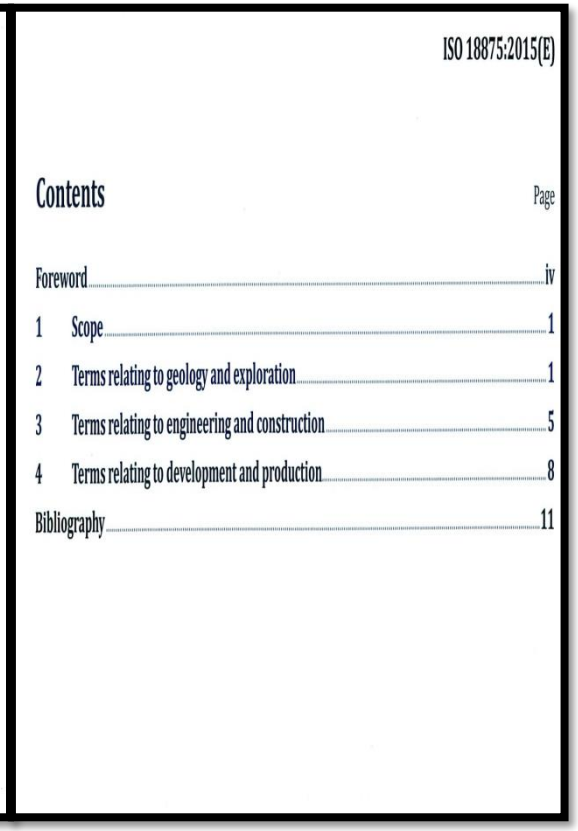

ISO 18875:2015(E)

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2. Work Report

ISO 18875:2015
Coalbed methane exploration and development — Terms and definitions

Document published on: 2015-12-15	
Edition: 1 (Monolingual)	**ICS: 01.040.73; 73.020**
Status: Published	**Stage: 60.60 (2015-11-24)**
TC/SC: ISO/TC 263	**Number of Pages: 11**

2. Work Report

ISO 18875:2015
Coalbed methane exploration and development — Terms and definitions

Abstract

ISO 18875:2015 provides terminology on geology and exploration, engineering construction, field development and production in coalbed methane industry. This International Standard does not contain surface gathering.

2. Work Report

➢ Published 2 International Standards

Reporting of China's Media

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世界首个煤层气国际标准正式发布

中国石油新闻中心 [2015-10-15 09:25]

中国石油网消息 10月14日是世界标准日。由中石油煤层气有限责任公司煤层气国际标准——《煤层气含量测定方法》的发布实施，为提升国际标准化良好形象提供了有力支撑。

据悉，国际标准化组织煤层气技术委员会成立于2011年10月，主席国和秘国，目前已发展拥有中国、德国、波兰等20个成员国。2012年，在北京召开第《煤层气含量测定方法》等4项新标准提案。

《煤层气含量测定方法》由煤层气公司承担制订，历经3年时间的多次研国际标准化组织审核得以发布实施。该项标准总结和整合了各国煤层气含量测测试仪器、样本采集、试验步骤、计算方法、资料处理及质量评估等技术细节测定煤层气含量的科学方法和技术标准，提高了该项技术的普适性和应用的安全，简单、稳定性能，实现了技术上的国际统一。这对于推动煤层气领域整体技术进步，保障煤矿安全生产，促进国际能源交流与合作，增强中国在国际煤层气领域的话语权和影响力都具有重要意义。

煤层气公司自成立以来，一直致力于煤层气资源勘探、开发和利用，强化关键技术和标准规范研究，累计获批发布国际标准1项、行业标准22项、企业标准20项。

中国石化新闻网 SINOPECNEWS.COM.CN

2016年8月26日 星期五 丙申年七月廿四

首页 新闻频道 企业频道 资讯频道 物供频道

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您的位置： 新闻频道 >>> 专家解读

中国发布首个煤层气国际标准
——专访中石油煤层气有限责任公司煤层气标准化技术委员会办公室主任赵培华

2015-12-10 来源：中国石油石化杂志

由我国起草
层气贸易合作

中国石油石化 CHINA PETROCHEM

> 正文

解读煤层气国际标准

日期：2015-12-17

由我国起草并制定的首个煤层气含量测定技术国际标准，对全球煤层气贸易合作提供了支持。

近日，一项总结和整合了各国煤层气含量测定技术要求，提供了准确测定煤层气含量科学方法的国际标准问世。这项由中石油煤层气公司和煤层气国家中心共同承担的ISO18871《煤层气含量测定方法》国际标准，不仅是我国制定的首个煤层气业务领域国际标准，更填补了相关领域的空白。中国石油石化杂志记者就此对中石油煤层气有限责任公司煤层气标准化技术委员会办公室主任赵培华进行了专访，探讨该标准对煤层气行业产生的影响。

标准填补空白

中国石油石化：赵主任，您好！据您了解，为什么长期以来煤层气含量测定技术和方法缺乏国际标准？

赵培华：首先，煤层气属于新能源，近几年才在国内外逐渐开发利用。由于发展时间并不长，许多技术还在不断研发中，所以一直未具备制定煤层气含量测定方法国际标准的条件。

其次，只有煤层气行业和相关技术在世界范围内达到一定发展程度和水平时，煤层气国际标准才会应时而生。近年来，由于受到世界各国重视，煤层气产业发展迅猛，国际合作也越来越多，非常需要一些基础性的国际标准来规范和指导行业发展，为国际贸易合作提供支持。

2. Work Report

➢ Took part in the GMI 10th meeting

GLOBAL METHANE INITIATIVE COAL SUBCOMMITTEE MEETING

Radisson AR Salitre Hotel Ave. Carrera 60, No 22-99 Bogotá Colombia 3

June 2015, 09:00-17:00

Work Report of ISO/TC 263 Secretariat

1. Structure of ISO/TC 263

2. Work Report

3. Work Plan

3. Work Plan

- To Revise Business plan
- To Enhance The Structure of ISO/TC 263
- To Promote The Development of Standards
- To Prepare for The 5th Plenary Meeting And Technical Conference

3. Work Plan

➢ **To revise Business plans**

- ◆**Strategic business plan drafted by the secretariat was approved and published on the website in 2013**
- ◆**It designated ISO/TC 263 was recognized to deal with the development of international standards**
- ◆**It should be revised every two years**

BUSINESS PLAN
ISO/TC 263 Coalbed methane

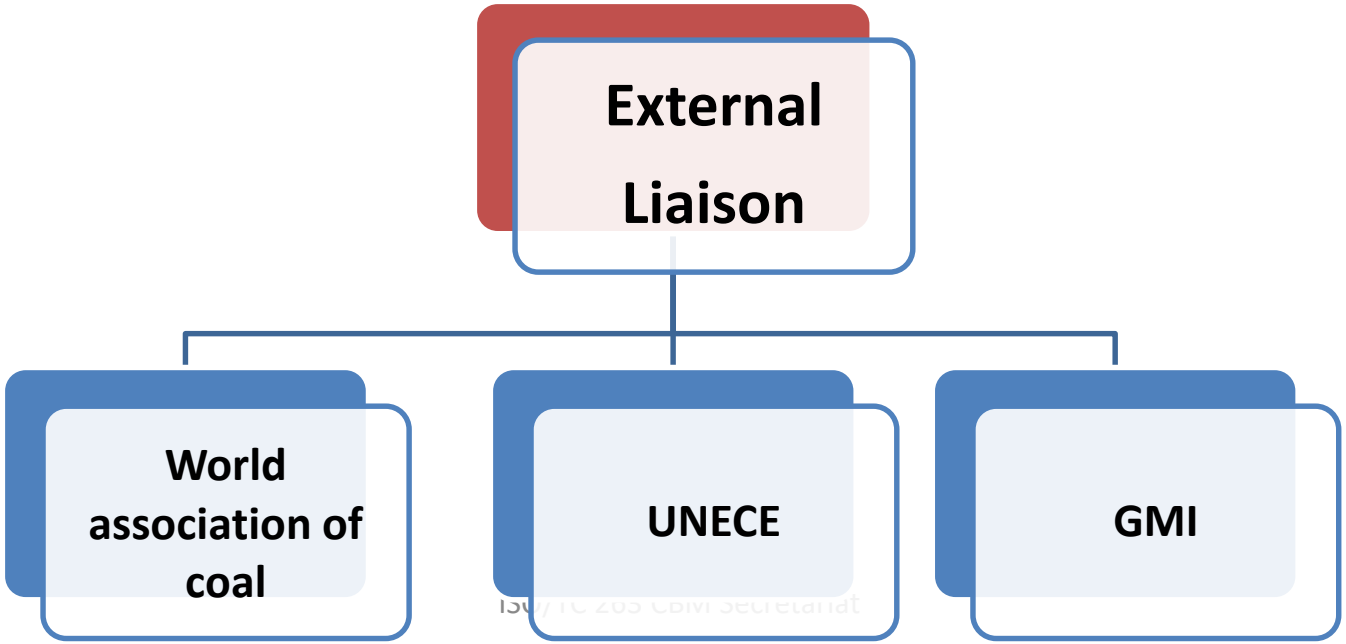
- INTRODUCTION
- BUSINESS ENVIRONMENT OF THE ISO/TC
- BENEFITS EXPECTED FROM THE WORK OF THE ISO/TC
- REPRESENTATION AND PARTICIPATION IN THE ISO/TC
- OBJECTIVES OF THE ISO/TC AND STRATEGIES FOR THEIR ACHIEVEMENT
- FACTORS AFFECTING COMPLETION AND IMPLEMENTATION OF THE ISO/TC WORK PROGRAMME
- STRUCTURE, CURRENT PROJECTS AND PUBLICATIONS OF THE ISO/TC

3. Work Plan

- **To enhance the structure of ISO/TC 263**
  - **To keep closed contacts with UNECE and GMI**
  - **To keep contact with national standard bodies of countries with CBM industry, In the hope that there will be <u>more members</u>**
  - **To keep contact with P members and O members, make them more active**
  - **To keep an open eye on the development and activities of the CBM industry, accumulate more experts from relevant stakeholders**

3. Work Plan

- To keep closed contacts with UNECE and GMI
  1. To participate meetings
  2. Encouraging UNECE and GMI members to be members of ISO/TC 263 members
  3. Standardization work could be mentioned in the work plan in GMI and UNECE 2017-2018



3. Work Plan

➢ **To promote the development of standards**

Project
Practice for determination of adsorptive capacity of coal by volumetric method
Recommended Practices for Formation Damage Evaluation of CBM
Method of determining the specific surface area of coal
Delivery system of gas-water two-phase flow of low concentration coal mine gas
Integrated pillarless co- extraction of coal and gas

3. Work Plan

- **To encourage new work item proposal**

New work item proposal may be made by

- ✓ **A national body**
- ✓ **The secretariat**
- ✓ **Another technical committee or subcommittee**
- ✓ **An organization in liaison**
- ✓ **The technical management board or one of its advisory groups**
- ✓ **The Chief Executive Officer**

3. Work Plan

- **To prepare for the 5th plenary meeting and technical conference**
  - **Confirming the place and date of the 5th plenary meeting**
  - **Contacting member countries for delegation attending to the meeting**
  - **Inviting experts from UNECE and GMI to attend the meeting**
  - **Drafting meeting agenda**
  - **Sending meeting notice**
  - **Drafting relative meeting materials**

We'd like to make more efforts to serve all members to better join into international standardization work of CBM.

Thank you for your attention !