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
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.

<table>
<thead>
<tr>
<th>Name</th>
<th>Post</th>
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</thead>
<tbody>
<tr>
<td>Dr. Peihua ZHAO</td>
<td>Secretary</td>
</tr>
<tr>
<td>Mr. Jiazun LI</td>
<td>Secretary assistant</td>
</tr>
</tbody>
</table>

Staff of ISO/TC 263 Secretariat

ISO/TC 263 CBM 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**
  - Internal Liaison
    - ISO/TC 67
    - ISO/TC 193
  - External Liaison
    - World Association of Coal
    - UNECE

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

**ISO/TC 193**: Natural gas
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 1\textsuperscript{st} 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
2. Work Report

- Held 4 Plenary Meetings
  - The 2\textsuperscript{nd} 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
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

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

- **Made advance to the Development of Standards**

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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
## ISO 18871:2015
### Method of determining coalbed methane content

<table>
<thead>
<tr>
<th>Document published on: 2015-09-15</th>
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<td><strong>Status: Published</strong></td>
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<td><strong>TC/SC: ISO/TC 263</strong></td>
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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
ISO 18875:2015
Coalbed methane exploration and development —
Terms and definitions

2. Work Report

Document published on: 2015-12-15

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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

- Published 2 International Standards
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
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.

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**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 more members

◆ 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

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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!