





**MDEC – Mining Diesel
Emissions Council
update**

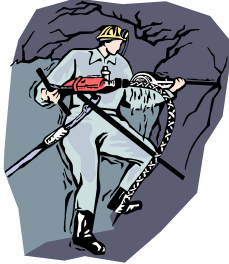

Oreste Simonetta
October 2015

The image shows a slide layout. On the left, the title 'MDEC – Mining Diesel Emissions Council update' is written in a bold, blue, sans-serif font. Below the title, the author's name 'Oreste Simonetta' and the date 'October 2015' are listed in a smaller, regular font. On the right side of the slide, there is a vertical line followed by the CSA Group logo, which is identical to the one in the first image.

Objectives




- CSA M424 series update
- MAP – Mining Advisory Panel update
- CSA Mining Standards – status
- CSA Standards across Canada
- ISO TC 82 update
- CSA Solutions
- Communities of Interest
- Participation on CSA Technical Committees





3

CSA M424 series - update




- **CAN/CSA-M424.1-88 (R2011)**
Flameproof non-rail-bound diesel-powered machines for use in gassy underground coal mines
- **CAN/CSA-M424.2-M90 (R2011)**
Non-rail-bound diesel-powered machines for use in non-gassy underground mines
- **CAN/CSA-M424.3-M90 (R2011)**
Braking performance rubber tired, self propelled underground mining machines
- **CAN/CSA-M3450-03 (R2012)**
Earth-moving machinery - Braking systems of rubber-tyred machines - Systems and performance requirements and test procedures”




4

CSA M424 series - update




- Technical Committee is now established
- First meeting held in February 2015 (tele/webex)
- Second meeting held in June 2015 (face to face)
- CSA M424.1 and M424.2 completed public review on September 16, 2015 (15 comments)
- 2nd edition scheduled for publication May 2016

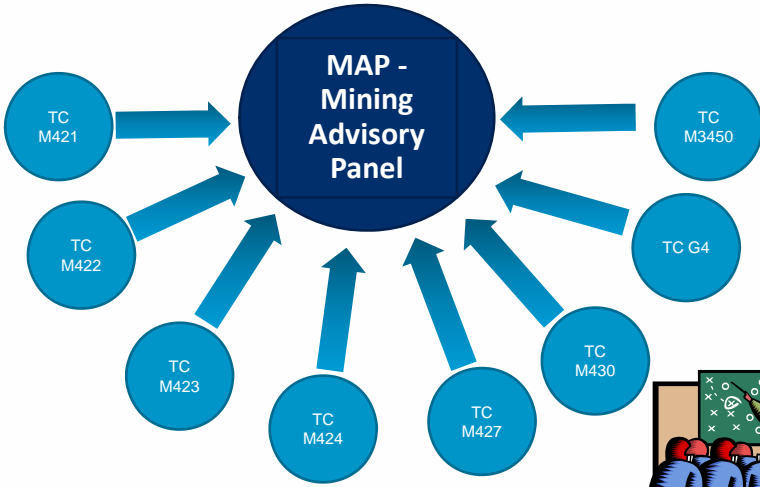
- Next meetings scheduled for February 2016 (tele/webex) to develop plans for the:
 - 3rd edition of CSA M424.1 and M424.2
 - 2nd edition of CSA M424.3 and/or M3450

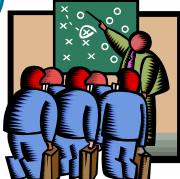


5

MAP – Mining Advisory Panel







6

MAP – Mining Advisory Panel



- Provide strategic advice
- Identify gaps and opportunities for mine safety standards
- Identify funding opportunities
- Link to the regulatory initiatives



7

MAP – Mining Advisory Panel update



- **The Panel has developed a Terms of Reference:**

“The Panel shall provide leadership and broad-based direction on national and international standards-related activities and identify and recommend standards priorities strategic direction in relevant areas of mining safety.

The Panel shall act as a forum for discussing issues related to the development and implementation of mining safety standards”

- **Key Areas of Focus:**

- **Membership/Stakeholder involvement**
- **Funding**
- **Priority Issues being explored :**
 1. Competency and training
 2. Communication and Outreach
 3. Ground Support /Stabilization
 4. Control of Hazardous Energy
 5. Ventilation(updates to CSA M424 and exposure to diesel particulate)



8

CSA's Mining Standards – active



- **M421-11 - Use of electricity in mines**
 - last meeting September 22 and 23, 2015
 - 5th edition scheduled for publication December 2016

- **CAN/CSA-M422-12 - Fire-performance and antistatic requirements for conveyor belting**
 - 3rd edition published November 2015
 - next meeting scheduled for May 2016, develop plans for 4th edition

- **G4-09 (R2014) - Steel wire rope for general purpose and for mine hoisting and mine haulage**
 - last meeting September 29, 2015
 - 8th edition scheduled for publication December 2015



9

CSA Mining Standards – non active



- **CAN/CSA-M423-M87 (R2011)**
Fire-resistant hydraulic fluids

- **CAN/CSA-M427-M91 (R2011)**
Fire-performance and antistatic requirements for ventilation materials

- **CAN/CSA-M430-90 (R2011)**
Roof and rock bolts, and accessories



10

CSA Mining Standards – non active



- **Current status:**

- Chief Mining Inspectors support the update of the Mining Standards
- Call for participants posted to the Community of Interest web site
- As of today, interest has been expressed for all the Mining Standards
- Follow up scheduled in October and November 2015

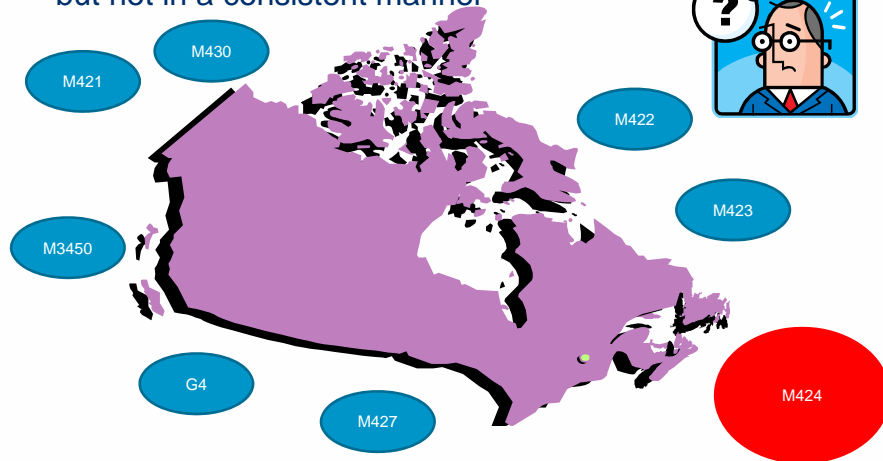


11

Current use of Standards



- Mining standards are referenced throughout Canada but not in a consistent manner




12

Goal




- Up to date Standards covering the latest technology for Mine Safety, referenced throughout Canada

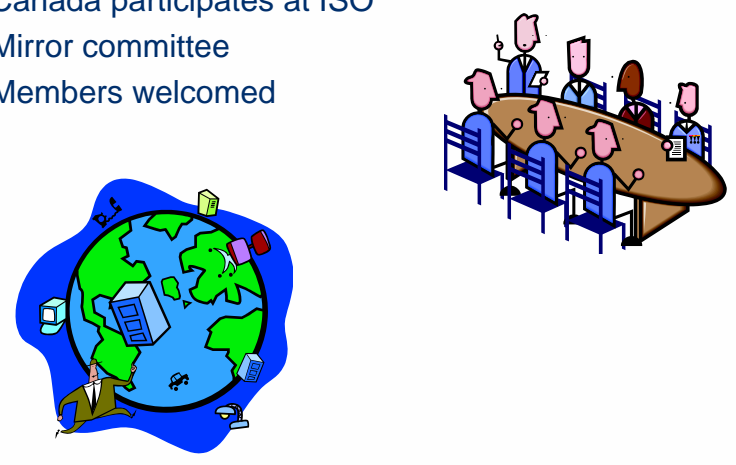


13


ISO TC 82 (International Standards)



- Opportunity to influence ISO standards on mining
- Canada participates at ISO
- Mirror committee
- Members welcomed





14

ISO TC 82 Scope includes 

- Specifications relating to specialized mining machinery and equipment used in opencast mines (e.g. conveyors, high wall miners, rock drill rigs and continuous surface miners) and all underground mining machinery and equipment for the extraction of solid mineral substances, but excluding the preparation and processing of the minerals;
- Recommended practice in the presentation of plans and drawings used in mine surveying;
- Methods of calculation of mineral reserves;
- Mine reclamation management;
- Design of structures for mining industry.

15

CSA Standards Solutions 



Standards & Codes

Certification of People

Certification of Products


Application Tools
Handbooks
Smart CD
Mobile Publications

Training
Seminars
eLearning Courses
Customized Training

Express Documents

Tailored Solutions to meet needs

Partnerships to develop sector based Solutions



16

Communities of Interest



The screenshot shows the CSA Communities website. A blue callout box on the left highlights the 'View Access' button for OHS Standards and the 'Access Online' button for Energy Efficiency Standards. A red circle on the right highlights the 'MEMBERS ONLY AREA' button. Below the screenshot is a small icon of two laptops connected by a globe.

- <https://community.csagroup.org>
- Total COI registered users: Over 35,000
- *OHS View Access* – public can view OHS mining safety safety standards referenced in legislation (supported by regulators)

17

Participation on Technical Committees

- CSA Group welcomes new Members to participate in developing and updating Mining Standards for Canada



The illustration shows a group of seven stylized human figures sitting around a large, oval-shaped wooden table. They are engaged in a discussion, with some pointing and others looking at documents on the table.

18

Recap



- CSA M424 series update
- MAP – Mining Advisory Panel update
- CSA Mining Standards – status
- CSA Standards across Canada
- ISO TC 82 update
- CSA Solutions
- Communities of Interest
- Participation on CSA Technical Committees



19



**THANK
YOU**

Merci

Mike Dodd for:
Oreste Simonetta
(416)747-2709
oreste.simonetta@csagroup.org

20