




Objectives




- CSA M424 series update
- Other CSA Mining Standards – Status
- Participation on CSA Technical Committees





3

CSA M424 series - update




- **CSA-M424.1-16**
Flameproof non-rail-bound diesel-powered machines for use in gassy underground coal mines
- **CSA-M424.2-16**
Non-rail-bound diesel-powered machines for use in non-gassy underground mines
- **CAN/CSA-M424.3-M90 (R2016)**
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 (cont'd)




- New editions of CSA M424.1 and M424.2 published in April 2016
- Next meetings scheduled for February 2017 to develop plans for the:
 - 3rd edition of CSA M424.1 and M424.2
 - 2nd edition of CSA M424.3 and/or M3450
- Future plans include reorganization of the existing Standards to:
 - Part 1 – General requirements
 - Part 2 – Diesel requirements for gassy and non-gassy mines



5

Current status - M424 series




- Existing CSA Standards

<p>CSA M424.1 Flameproof non-rail-bound diesel-powered machines for use in gassy underground coal mines</p>	<p>CSA M424.2 Non-rail-bound diesel-powered machines for use in non-gassy underground mines</p>	<p>CSA M424.3 Braking Performance Rubber-Tired, Self-Propelled Underground Mining Machines</p>
<p>CAN/CSA M3450-03 Earth-moving - Braking systems for rubber-tyred machines –Systems and performance requirements and test procedures</p>		

6

Future plans - Phase 1




- Plan for restructure of existing CSA Standards

CSA M424.1	CSA M424.2	CSA M424.3
PHASE 1	Part 1: General requirements	Part 2-1: Diesel requirements (gassy and non-gassy)

7

Future plans -Phase 2




- Update Part 1 requirements

Part 1 General requirements	Part 2-1 Diesel
PHASE 2	Part 1: General requirements updated Steering Brakes Lighting Ergonomics Fire suppression Review of ISO requirements (harmonization)

8

Future plans -Phase 3



- Create requirements for other means of powering underground mobile equipment

Part 1 General requirements


Part 2-1 Diesel

PHASE 3


Part 2-2 other means of powering underground mobile equipment

9

Other CSA Mining Standards



- **M421-11(R2016)** - Use of electricity in mines
 - Next meeting is scheduled for November 29, 2016
 - 5th edition scheduled for publication December 2016
- **M422-14** - Fire-performance and antistatic requirements for conveyor belting
 - 3rd edition published November 2014
 - next meeting scheduled for January 25, 2017,
 - 4th edition scheduled for publication November 2019
- **G4-15** - Steel wire rope for general purpose and for mine hoisting and mine haulage
 - 8th edition published October 2015
 - Next meeting scheduled for November 22, 2016



10

Other CSA Mining Standards (cont'd)



- **CAN/CSA-M423-M87 (R2016)**
Fire-resistant hydraulic fluids


- **CAN/CSA-M427-M91 (R2016)**
Fire-performance and antistatic requirements for ventilation materials

- **CAN/CSA-M430-90 (R2016)**
Roof and rock bolts, and accessories




11

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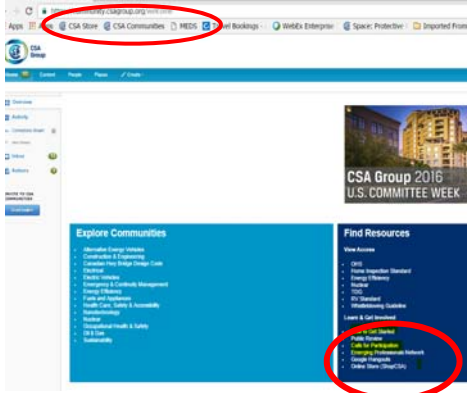
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- <https://community.csagroup.org>
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12

Recap



- CSA M424 series update
- Status of other CSA Mining Standards
- Participation on CSA Technical Committees



13



Merci

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14