



Kumba Iron Ore, Sishen Mine

# MULTI DISCIPLINARY TASK TEAM MEETING 25 MAY 2023

# OEM and OTM alignment with Sec 21

## Revised TMM COP Guideline

8.2.3 For **trackless mobile machines** fitted with collision prevention systems, the **COP** must describe the automatic braking regime for the collision prevention system, including:

- The **safe speed** before applying the brakes
- The safe deceleration rate under different operating conditions (e.g., empty, loaded, bucket raised, boom extended, articulated, etc.)

8.21.3 Where a Collision Prevention System is used to prevent collision between trackless mobile machines, the procedure should also include:

- A **detailed functional** specification, including **acceptance criteria**, of the system shall be available for the specific version of the system that is in use on the mine for both the **trackless mobile machines** and the **detection system(s)**.
- Provisions to prevent operators from **disabling or overriding** the system unless for emergency situations.
- Provisions to ensure that operators are not unnecessarily distracted by alarms if a possible collision is not imminent.

# OEM and OTM alignment with Sec 21

- **A certificate of conformance referencing the test results that demonstrate conformance to all the functional requirements (also known as the Section 21 technical file).**
- **Any changes made to the system since first installation and the test results of the tests conducted to verify the changes to the system**
- **A list of periodic tests to be conducted to verify full functionality of the system and the frequency of such tests. The results of such tests conducted must be kept on the mine.**

# OEM and OTM alignment with Sec 21

Northern Cape 2.13.1 Appointees (5 May 2023) DMR and Minerals Council

- 1) Reported challenges with exclusive agreements of some TMM OEMs with 1 CxD provider.
- 2) Reported current TMMs and CxD products makes mines non compliant to the law
- 3) Agreed to collaborate in NC –
  - Aligned approach for the region
  - Minerals Council Industry alignment on TMM Regulations Project
  - Request formal responses from OEMs and OTMs to provide aligned commitments to DMRE
- 4) Requested DMR intervention to move TMM OEMs and CxD providers to give formal commitments
- 5) Requested Minerals Council to facilitate and engagement with NC MMA and TMM OEM and CxD supplier CEOs
- 6) DMR confirmed that no TMMs are exempted from the regulations
- 7) DMR do not commit to official exemption or extension. (Who takes responsibility?)

# OEM and OTM alignment with Sec 21

7) DMRE wants detail mine specific plans with dates

Other significant realisations

- 1) All newly purchased/or to be purchased TMMs must already comply
- 2) TMMs must have solutions for the CxD brands that their clients chosen

# Thank You

