

TOOLBOX TALK

SLOPE STABILITY



MINERALS COUNCIL
SOUTH AFRICA

The Minerals Council South Africa wants to create a safe working environment for everyone. Reducing and eliminating incidents and fatalities is possible, but it requires everyone taking responsibility for helping us to achieve this. Ensure that critical controls are always in place, and working as they should. Discuss this toolbox talk about Slope Stability with your team and allow them to ask and answer questions.

NOTE: This toolbox talk is a quick visual guide on how to ensure all workers **work** in a healthy and safe way. It applies to all workers and visitors on site. It does NOT take the place of local legislation, standards, regulations or any other requirements, which must still be **complied** with.

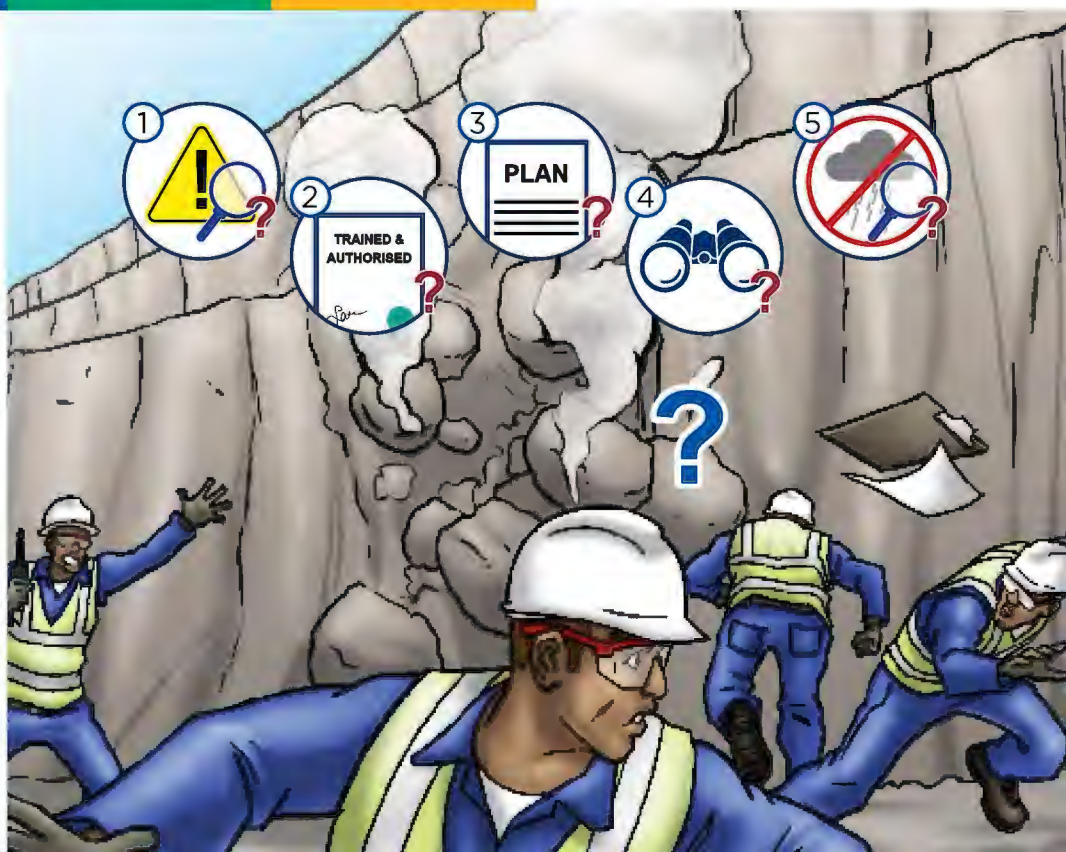


ASK YOUR TEAM

- Are mine plans maintained and kept up to date?
- Have all slopes been risk assessed?
- Does the mine follow a daily and quarterly monitoring system?
- Are all natural or modified slopes inspected after any severe weather?

ASK YOUR TEAM

1. Are you aware of the risks?
2. Has the team been trained? Are they qualified and competent?
3. Do we have an updated mine plan?
4. Are we monitoring the slopes as per our monitoring plan?
5. Are we inspecting slopes after severe weather?



MENTION TO YOUR TEAM

It's a team effort - we are all responsible for making sure we work as safely as possible. Have the courage to stop any unsafe work you see.



IMPORTANT: We need to know for sure that it is 100% safe to start the job and help you avoid incidents and fatalities.

ASK YOUR TEAM

What should you do if you feel unsafe to keep working?

- Stop what you're doing.
- If the critical control cannot be easily fixed, report it to your supervisor immediately and do not continue with the task until it has been fixed.
- Remember, a missing or broken critical control can lead to someone getting hurt or killed.



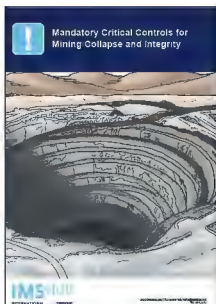
When is it safe to start working?

Answer should be:

Only when you can be confident that you're working as safely as you can for yourself and for those around you.

CRITICAL CONTROL QUESTIONS

Ask your supervisor for a list of critical controls for open pits slopes.



REMIND YOUR TEAM

As important as critical controls are, there are additional controls that can help to ensure that you're working even more safely, for example:

- Confirm that the updated Ground Control Management Plan (GCMP) includes the slope dossier.
- Check that the mine design **considers** the risk when determining and acceptable Factor of Safety (FoS) and Probability of Failure (PoF)
- Get a third **party** to review pit designs, **including** wall angles and bench designs
- Risk assess all slopes and record the findings in the slope dossier
- Have emergency response plans in place.

**WHAT OTHER
CRITICAL CONTROLS
CAN YOU OR YOUR
TEAM THINK OF?**